JCC® | a LEVITON® company

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Advanced LED Lighting

Part of the Leviton® family

About Leviton®

Leviton is a world leader in diversified electrical technologies and the largest privately owned manufacturer of electrical wiring equipment in North America.

Leviton products help customers create sustainable and intelligent environments through their electrical wiring devices, network and data centre connectivity solutions, lighting energy management systems, and security and automation applications.

Operating in over 80 countries and with a portfolio of more than 25,000 products, Leviton are at the forefront of global developments in building technology and are uniquely positioned to support JCC in developing cutting edge LED innovation.

Leviton acquired JCC in 2013 to enhance JCC's position as the UK market leader in LED lighting and strengthen our shared vision to ensure accessibility to the benefits of the latest LED technology.

About JCC®

Established in 1989, JCC are market leaders in the development of cutting edge LED lighting technology.

We are driven by our passion to create innovative LED lighting solutions. This ensures that our customers can take advantage of the benefits that the latest LED technology can provide for both domestic, commercial and industrial applications.

We believe that LED lighting is the most effective way that homes and businesses can tackle rising energy costs and the global need to reduce CO_2 consumption.

LED technology provides us with the opportunity to readdress traditional lighting and create innovative solutions that can improve installation times, enrich our homes, increase productivity within the workplace and enhance safety across all environments.

Catalogue 30

We are driven by a passion to create innovative LED lighting solutions. With 16 new ranges and many additions to our most popular products, the 30th edition of our catalogue continues our passion and commitment to deliver the very latest in LED innovation.

We maintain leadership in key product categories by delivering cutting edge product innovation to the market. Our aim is to provide unique lighting solutions that resolve key issues for electrical contractors, whilst ensuring that end users are provided with the highest level of performance and reliability.

Our commitment to excellence extends throughout everything we do, from product design to after sales support. We are proud to have a respected UK based customer service and technical support team that provide the very best in personal assistance to all of our customers.

Steve Kirby, Managing Director

Please contact us for further information and advice on any of the products within our catalogue.

CUSTOMER SERVICE

+44 (0)1243 838999
customer.services@jcc.co.uk

TECHNICAL SUPPORT

+44 (0)1243 838986
technical.support@jcc.co.uk

To find your local JCC Sales representative please see page 272

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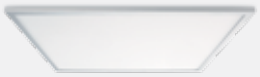

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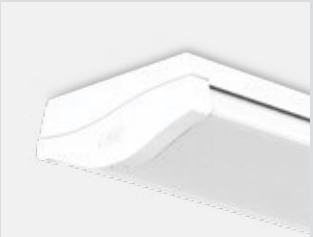

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Enhanced digital experience

IMPROVED RESPONSIVE PERFORMANCE

Excellent usability across all devices and screen sizes.

NEW WAYS TO EXPLORE OUR PRODUCTS

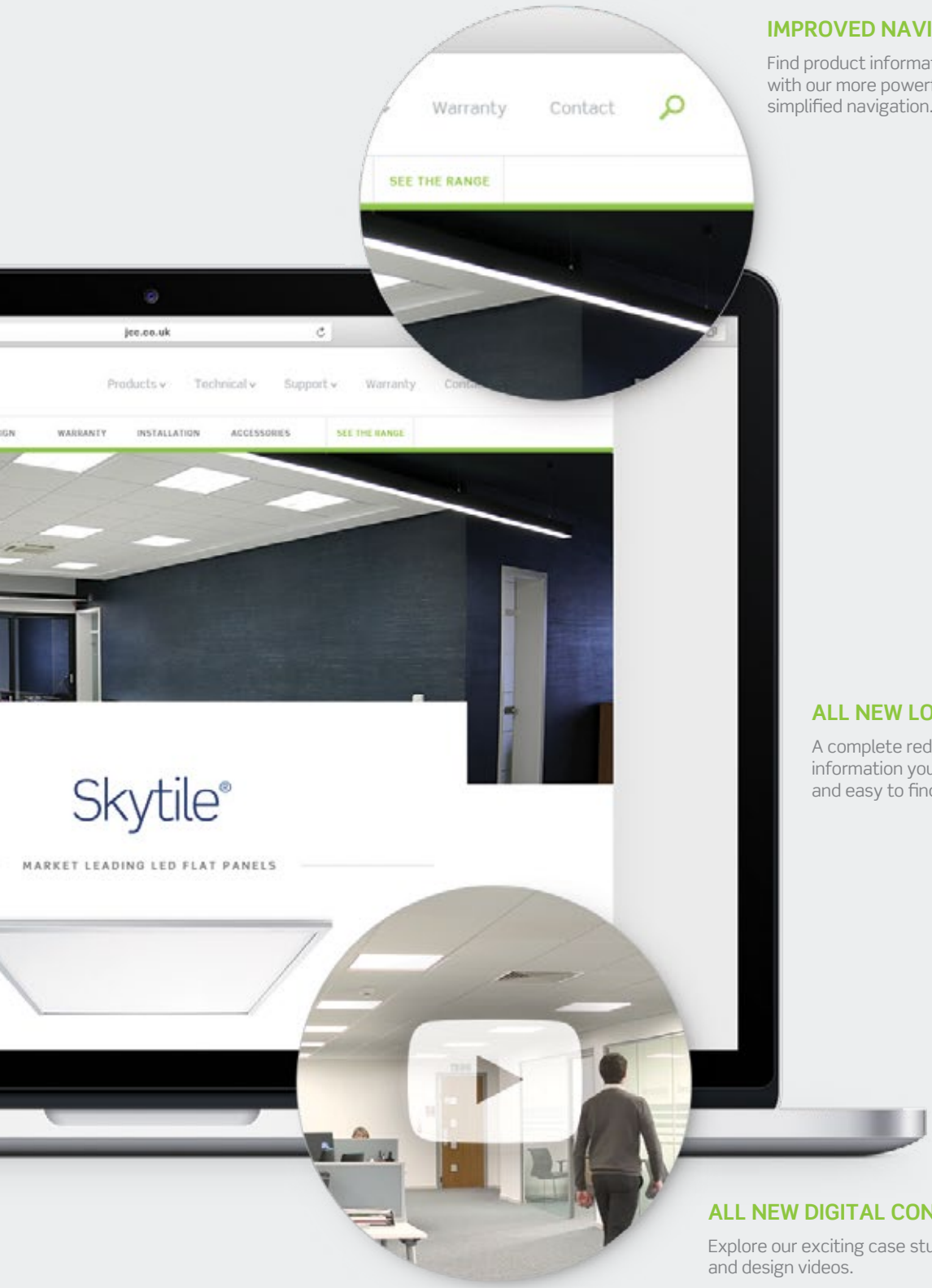
We've created exciting new interactive ways to explore our most popular products.

youtube.com/jccadvancedlighting

twitter.com/jcclighting

linkedin.com/company/jcc-lighting

facebook.com/jcclighting



IMPROVED NAVIGATION

Find product information and data even faster now with our more powerful search functionality and simplified navigation.

ALL NEW LOOK & FEEL

A complete redesign ensures that the information you need is readily available and easy to find.

ALL NEW DIGITAL CONTENT

Explore our exciting case studies and design videos.

SIGN UP TO OUR NEWSLETTER

Sign up to the JCC newsletter to ensure you are kept up-to-date with new products, company developments and the latest lighting news.

jcc.co.uk/newsletter

Independently tested for complete assurance

OUR INDEPENDENT TESTING HOUSES PROVIDE CERTIFICATION OF LIGHT OUTPUT, POWER CONSUMPTION, SAFETY FEATURES AND PRODUCT LIFE

Being Britain's most loved LED lighting brand, we understand the importance of providing proven and tested technology to our customers. Independent testing has been a core part of our product development process for 25 years and underlines our key brand promise to deliver proven LED safety and innovation to our customers.

For us, quality is more than simply a word, it forms the basis of our entire brand and drives our passion for producing market leading LED technology.

IN-HOUSE TEST FACILITIES

In addition to our independent test houses, we have developed an advanced lighting design and test facility at our headquarters in West Sussex.

Our state-of-the-art facility provides us with precise information on the colour, quality and performance levels of our products.

WE STATE DELIVERED LUMENS

We are committed to providing honest and accurate information. When we state the light output (lumens) – we have tested the total fitting and measured the actual light output including any light transmitter, diffuser or optics. Beware of products that just quote the initial lumens from the LEDs.

Industry leading warranties

COMPLETE ASSURANCE OF QUALITY AND RELIABILITY

We believe that a manufacturers' warranty is your assurance of quality and reliability. This is why all of our products are covered as standard by our two year product guarantee. In addition, select products are also covered by our five, seven or ten year extended warranties.

REGISTER YOUR PRODUCT ONLINE

Simply go to **jcc.co.uk/warranty** and enter your product details.

Designed for consistent quality & performance

MAXIMISING CONSISTENCY ACROSS ALL OUR RANGES

All of our products have been specifically designed to ensure they compliment one another and provide complete consistency throughout the application.

CONSISTENT QUALITY & PERFORMANCE

Using the latest developments in LED technology and high specification componentry, we ensure excellent continuity between lighting solutions.

CONSISTENT LOOK & FEEL

Our products have been designed to compliment one another with matching finishes and construction techniques.

CONSISTENT COLOUR TEMPERATURES

We align the colour temperature of our fixtures to suit their applications and ensure a unified lighting style.

CONSISTENTLY HIGH LEVELS OF CRI

Our products are designed to accurately display products and provide consistently high levels of CRI, typically exceeding 80+.

EMERGENCY VERSIONS

For complete peace of mind during emergency situations, our new LED fittings feature fully integrated emergency solutions.

LIGHT UNIFORMITY

Our products are all engineered to provide smooth, crisp and even light distribution, reducing dark areas and shadowing.

Calcuate your own cost savings

AVAILABLE FROM THE APP STORE AND GOOGLE PLAY STORE

The app allows you to see the exact energy and maintenance savings that our market leading LED products can provide to your home or business.

DOWNLOAD OUR FREE COST SAVING CALCULATOR APP

Get a precise energy reduction and cost saving calculation for your application based on your current energy and light fittings.

Available on the App Store

GET IT ON Google play

01

Fire-rated downlights

JCC® | a LEVITON® company

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MAINS

Introducing

Hybrid™

The best of both worlds

Integrated styling and performance with the flexibility of a lamp

- **Change** LIGHTING QUICKLY
- **Upgrade** AT END OF LIFE
- **Redecorate** WITH EASE

Hybrid9

- 660 lumens COOL WHITE (4000K)
- 8.5W LED TOTAL WATTAGE

SEE PAGE 15

Hybrid7

- 500 lumens COOL WHITE (4000K)
- 7.2W LED TOTAL WATTAGE

SEE PAGE 19

Easily upgrade at end of life

Unlike traditional integrated fixtures, Hybrid™ products can be changed as easily as a lamp. The LED module and bezel combination encapsulates all of the technology into a single unit, delivering all of the benefits of a true integrated fixture with the flexibility of a lamp.

- Easily replaced by end user
- Simple to adapt if room use changes
- High quality integrated styling
- Enhanced thermal management
- Greater performance and product life

Simple to remove during decorating

Painting ceilings is made easy by simply removing the front of the fitting. This avoids getting paint onto the fixture during redecorating and makes painting far quicker.

- No paint on bezels
- No damaged or scratched bezels
- No masking bezels off to paint

NO PAINT ON BEZELS

Change fittings with ease

In contrast to traditional integrated fixtures, Hybrid™ products provide complete flexibility to change the finish or colour temperature of the fixture as desired. All Hybrid™ products are available in brushed nickel, chrome and white finishes with both 3000K warm white and 4000K cool white options.

FINISHES

Ch CHROME

Bn BRUSHED NICKEL

Wh WHITE

COLOUR TEMPERATURES

Cw COOL WHITE

Ww WARM WHITE

Hybrid9™

The interchangeable integrated LED downlight

EFFICIENT
8.5W LED
TOTAL WATTAGE

UP TO
78 LPCW
LUMENS PER CIRCUIT WATT

UP TO
660
LUMENS

Technology in your hands

In contrast to traditional integrated fixtures, Hybrid™ products have been designed to incorporate all of the LED technology within the combined module and bezel. This ensures that customers have complete control of their lighting and the ability to adapt, upgrade or replace at the end of the products' life with ease.

HONEYCOMB LENS TECHNOLOGY
Hybrid™ uses our unique honeycomb lens technology that provides smooth and even light distribution.

LED MODULE
Hybrid™ LED modules use the latest driverless technology from leading LED chip manufacturer Seoul Semiconductor.

SEOUL SEMICONDUCTOR

ULTRA SECURE CEILING CLIPS
Once installed, the strong adjustable clips ensure no movement within the ceiling.

ENCLOSED CAN
Provides maximum fire safety and protects the heat sink from dust and debris.

HIGH QUALITY DIE-CAST METAL BEZEL
Bezel comes complete with LED module and is available in brushed nickel, chrome and white finishes.

LEVLINK™
Hybrid9™ comes complete with our innovative LevLink™ 6 way connector.
See pages 16 & 17

NEW PRODUCT

Hybrid9

Interchangeable integrated LED downlight

10 year
Extended warranty*

Dimmable
As standard

IP65
Suitable for bathrooms

- Innovative interchangeable LED module
- Comes complete with new ultra-fast 6-way LevLink™ connector
- Push-fit tool-less installation
- Mains driven technology
- Lay insulation over the top of fittings - no additional accessories
- Provides end users with the flexibility to upgrade lighting
- Fully fire-rated for 30, 60 and 90 minute ceilings

JC94901CH

JC94901BN

JC94901WH

CLASSIFICATION
Class 1
IP65 | 240V | Zone 1

LED
3000K 4000K

Warm white (3000K) | CRI: Ra (80)
Cool white (4000K) | CRI: Ra (80)

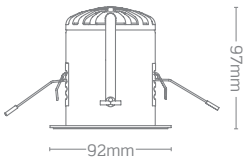
FINISH
Brushed nickel, chrome, white

CONSTRUCTION
Body - Pressed steel
Bezel - Die-cast aluminium
Max. void working temp. 30°C

CUTOUT SIZES
Ø76mm

COMPATIBLE LED DIMMER
See page 238

FULLY FIRE-RATED
30 Minute Ceiling
60 Minute Ceiling
90 Minute Ceiling



CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**94901**	Hybrid9™ downlight	Cool white	8.5W	660
JC**94903**	Hybrid9™ downlight	Warm white	8.5W	620
SPR**94901**	Spare Hybrid9™ (LED module & bezel only)	Cool white	8.5W	660
SPR**94903**	Spare Hybrid9™ (LED module & bezel only)	Warm white	8.5W	620

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

LevLink™

The ultra fast tool-less wiring system

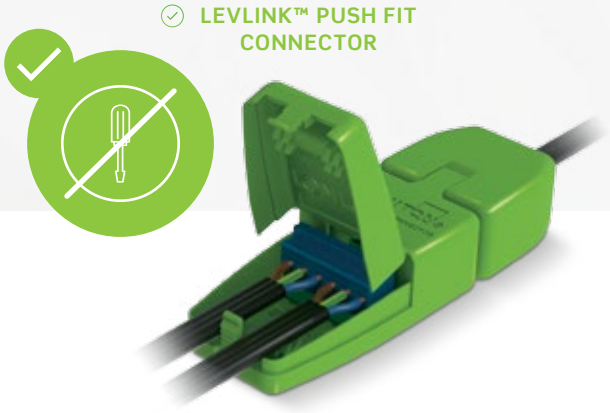
First fix

LevLink™ has been designed to allow for first fix installation. This allows testing of the circuit to be carried out prior to the installation of the fitting, minimising the risk of damage. The secure cable restraint ensures complete peace of mind during installation.

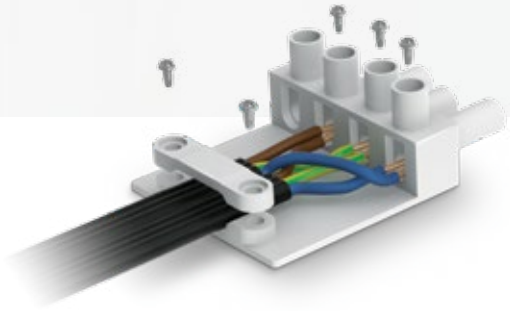
No tools required

LevLink™ uses push-fit termination which, unlike traditional screw-fit terminals, requires no tools for installation. Simply align the L,E,N wires with the respective terminals and the PCB reconfigures without the need to overlay separate wires into single terminal points. This dramatically reduces time and improves ease of installation.

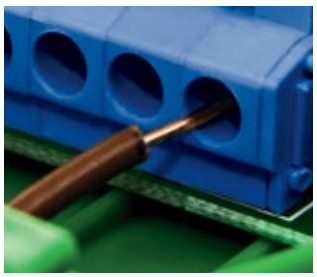
✓ LEVLINK™ PUSH FIT CONNECTOR



✗ TRADITIONAL SCREW FIT CONNECTOR



Ultra fast push-fit termination



WIDE ACCESS & LARGE TERMINAL BUTTONS

LevLink™ allows for wide access to the terminals, as well as large buttons.

ACCEPTS SOLID & STRANDED CABLE

LevLink™ has been designed to accommodate both solid and stranded cable types.

9 Way connector & T-splitter

SIGNIFICANTLY FASTER SWITCH LIVE WIRING

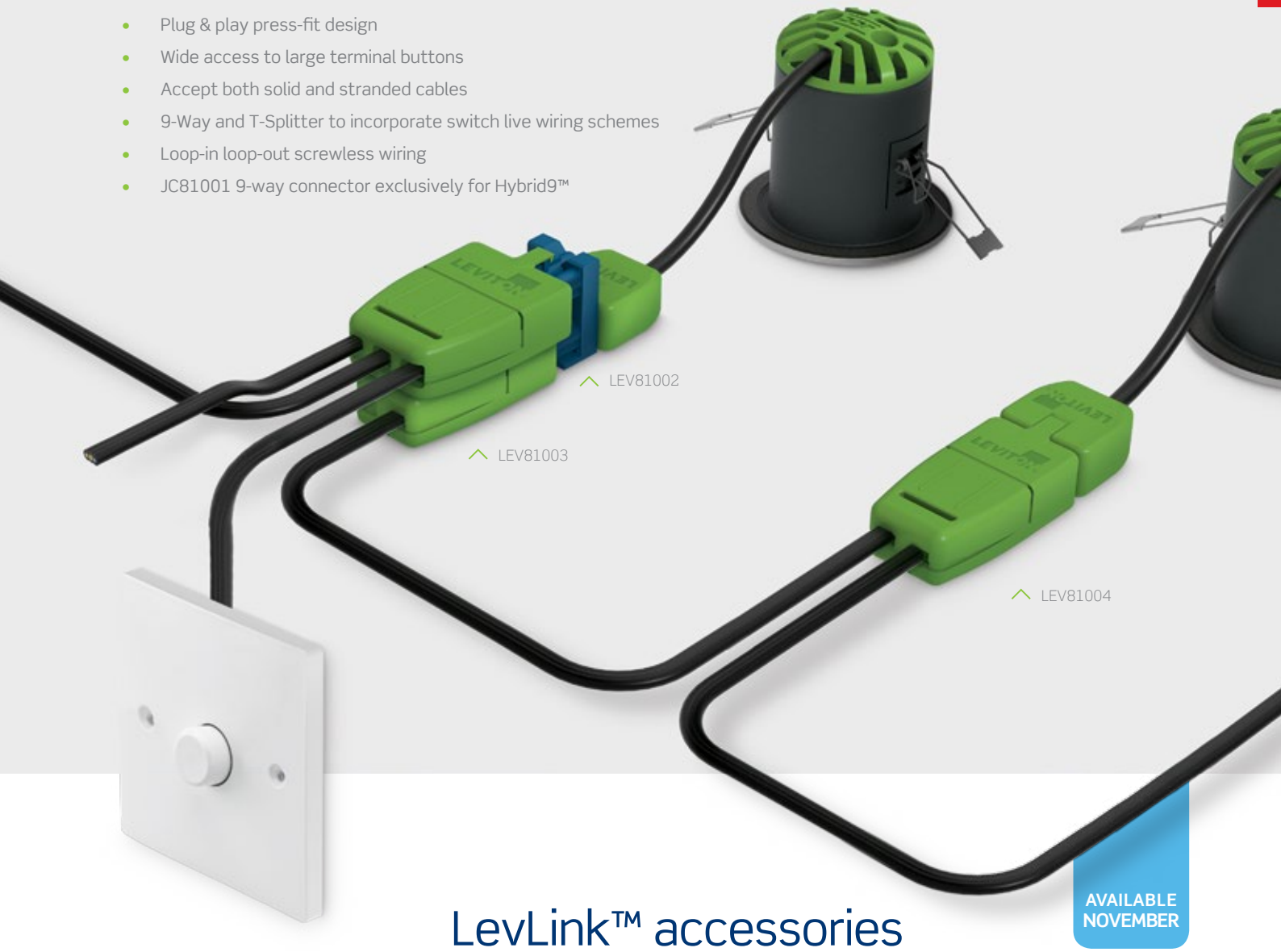
The LevLink™ 9-way connector used in conjunction with the T-splitter dramatically reduces the speed of first fix switch live wiring. In addition, this also enables installers to replace existing ceiling rose wiring.

NEW PRODUCT

LevLink

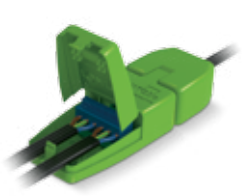
Ultra fast tool-less wiring system

- Plug & play press-fit design
- Wide access to large terminal buttons
- Accept both solid and stranded cables
- 9-Way and T-Splitter to incorporate switch live wiring schemes
- Loop-in loop-out screwless wiring
- JC81001 9-way connector exclusively for Hybrid9™



AVAILABLE NOVEMBER

LevLink™ accessories



LevLink™ 6 Way Connector
LEV**81004**

LevLink™ 9 Way Connector
LEV**81003**

LevLink™ T-Splitter
LEV**81002**

CLASSIFICATION
Class 1
IP20 | 240V | 16 amp max

FINISH
Green

CONSTRUCTION
Body - Polycarbonate

CODE	DESCRIPTION
LEV**81001**	LevLink™ 9 way switched-live female connector
LEV**81002**	LevLink™ T- Splitter
LEV**81003**	LevLink™ 9 way female switched-live connector including 3 way male
LEV**81004**	LevLink™ 6 way female connector including 3 way male

Hybrid7™

Interchangeable integrated LED downlight

ULTRA EFFICIENT
7.2W LED
TOTAL WATTAGE

UP TO
69 LPCW
LUMENS PER CIRCUIT WATT

UP TO
500
LUMENS

A fully integrated fitting

ADJUSTABLE CEILING CLIPS
Pre-connected high strength stainless steel clips designed to accommodate different thickness of ceilings.

GU10 CONNECTION
The GU10 connector provides the flexibility of a lamp, with the styling of an integrated fitting.

HYBRID7™ MODULE
Hybrid™ LED modules use the latest driverless technology from leading LED chip manufacturer Seoul Semiconductor.

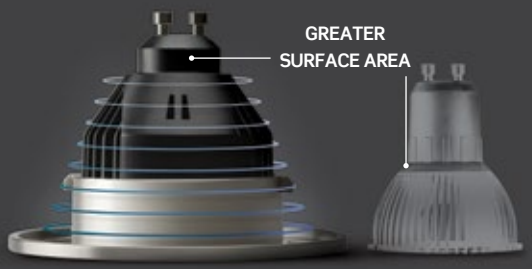
SEOUL SEMICONDUCTOR

FAST PRESS FIT TERMINATION
Loop-in/loop-out press fit terminal dramatically reduces installation time.

Intelligent thermal design

LARGE HEAT SINK IMPROVES THERMAL MANAGEMENT

Hybrid7™ features a larger heat sink than standard LED lamps. This improves reliability and ensures a longer life compared to standard LED lamps.



NEW PRODUCT

Hybrid7

Interchangeable integrated LED downlight

5 year
Extended warranty*

Dimmable
As standard

IP65
Suitable for bathrooms

- Interchangeable LED module with integral bezel
- Provides integrated styling with new Hybrid™ technology
- High performance of up to 500 lumens
- 35,000 hours
- 38° beam angle
- Spare modules available
- Fully fire-rated for 30,60 and 90 minute ceilings

JC94701CH

JC94701BN

JC94701WH

CLASSIFICATION
Class 1
IP65 | 240V | Zone 1

LED
3000K 4000K

Warm white (3000K) | CRI: Ra (80)
Cool white (4000K) | CRI: Ra (80)

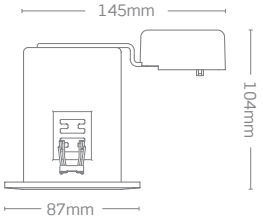
FINISH
Brushed nickel, chrome, white

CONSTRUCTION
Body - Pressed steel
Bezel - Die-cast aluminium
Max. void working temp. 30°C

CUTOUT SIZES
Ø72mm

COMPATIBLE LED DIMMER
See page 238

FULLY FIRE-RATED
30 Minute Ceiling
60 Minute Ceiling
90 Minute Ceiling



CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**94701**	Hybrid7™ (includes can)**	Cool white	7.2W	500
JC**94703**	Hybrid7™ (includes can)**	Warm white	7.2W	450
SPR**94701**	Spare Hybrid7™ (module & bezel only)	Cool white	7.2W	500
SPR**94703**	Spare Hybrid7™ (module & bezel only)	Warm white	7.2W	450

*5 year extended warranty. Requires online registration.

**Includes JCC Fireguard® can as standard

Hybrid7™ Overbezel

Interchangeable retrofit LED module

ULTRA EFFICIENT
7.2W LED
TOTAL WATTAGE

UP TO
69 LPCW
PER CIRCUIT WATT

UP TO
500
LUMENS

Provides a new fascia to existing downlights

Our Hybrid7™ Overbezel allows you to fit a new LED module into an existing JCC Fireguard® twist & lock can. The bezel has been specifically designed to discretely cover the existing fixed bezel attached to the can.

This provides a full new front fascia for older fittings while still maintaining the look of an integrated LED downlight. Furthermore, fire safety is maintained for complete peace of mind.

Ch
CHROME

Bn
BRUSHED NICKEL

Wh
WHITE

Installation couldn't be easier

STEP 1

Take the Hybrid7™ Overbezel fitting and connect it to the JCC Fireguard® Standard Twist & Lock can's GU10 connector.

STEP 2

Place the Hybrid 7™ Overbezel fitting into the can until the bezel is flush with the ceiling.

STEP 3

Rotate the bezel until it locks firmly into the can and is tightly secured against the ceiling.

Hybrid7™ Overbezel has been specifically designed for use with JCC Standard Fireguard® Twist & Lock fire-rated fittings only. For more information on compatible JCC product codes, please go to jcc.co.uk/Hybrid7_Overbezel

NEW PRODUCT

Hybrid7 Overbezel

Interchangeable retrofit LED module

5 year
Extended warranty*

Dimmable
As standard

- Overbezel retrofit option
- Increased bezel size to fit over existing bezel
- Provides new fascia to old fixtures
- Only for use with standard JCC Fireguard® Twist & Lock fittings
- Expanded heat sink for greater product reliability
- Uses crystal honeycomb lens technology
- Maintains fire-rating when installed

CLASSIFICATION
Class 1
IP20 | 240V

LED
3000K 4000K

Warm white (3000K) | CRI: Ra (80)
Cool white (4000K) | CRI: Ra (80)

FINISH
Brushed nickel, chrome, white

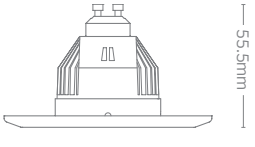
CONSTRUCTION
Body - Pressed steel
Bezel - Die-cast aluminium

COMPATIBLE LED DIMMER
See page 238

JC94711CH

JC94711BN

JC94711WH



CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**94711**	Hybrid7™ Overbezel (module & bezel only)	Cool white	7.2W	500
JC**94713**	Hybrid7™ Overbezel (module & bezel only)	Warm white	7.2W	450

*5 year extended warranty. Requires online registration.

FGLED10®

The high output fire-rated LED downlight

ULTRA EFFICIENT
10W LED
12.4W TOTAL WATTAGE

UP TO
69 LPCW
LUMENS PER CIRCUIT WATT

UP TO
850
LUMENS

9 fittings FGLED10®

Achieves the same light level using up to 50% fewer fittings

PROVIDES CLEANER, LESS CLUTTERED CEILINGS

Sometimes it can be the simplest innovations that provide the greatest benefits. FGLED10® delivers 850 lumens spread across a wide 60° beam angle. This means that you can achieve the same light level as 50W GU10 halogen with 50% fewer fittings. Simple.

Calculate how many FGLED10® fittings you would need with our online ready reckoner: **jcc.co.uk/fgled10reckoner**

19 fittings 6W GU10 LED retrofit lamps

FGLED10

High output fire-rated LED downlight

10 year
Extended warranty*

Dimmable
As standard

IP65
Suitable for bathrooms

Emergency
Versions available

- High output 850 lumens with wide 60° beam angle
- Fewer fittings reduces installation time
- Provides cleaner, less cluttered ceilings
- Ideal for new build and renovations

CLASSIFICATION
Class 1
IP65 | 240V | Zone 1

LED
3000K 4000K

Warm white (3000K) | CRI: Ra (80)
Cool white (4000K) | CRI: Ra (80)

FINISH
Brushed nickel, chrome, white

CONSTRUCTION
Body - Pressed steel
Bezel - Die-cast aluminium
Max. void working temp. 30°C

CUTOUT SIZES
Ø72-74mm - 12.5mm thick
30 minute ceiling types

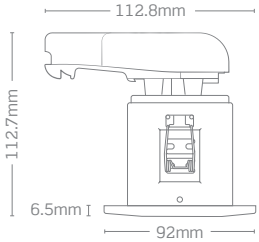
Ø79mm-81mm - 30mm thick
60-90 minute ceiling types

COMPATIBLE LED DIMMER
See page 238

JC94501CH

JC94501BN

JC94501WH



CODE	DESCRIPTION	COLOUR TEMP.	WATT**	LUMENS
JC**94501**	FGLED10® mains dimmable	Cool white	10W	850
JC**94503**	FGLED10® mains dimmable	Warm white	10W	750
JC**94502**	FGLED10® emergency	Cool white	10W	850
JC**94504**	FGLED10® emergency	Warm white	10W	750

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

** LED Wattage = 10W Total Wattage = 12.4W max

FGLED6®

The market leading fire-rated LED downlight

ULTRA EFFICIENT
6W LED
7.2W TOTAL WATTAGE

UP TO
69 LPCW
PER CIRCUIT WATT

UP TO
500
LUMENS

FGLED6® / 12 fittings

4.4m x 4.6m kitchen using FGLED6®

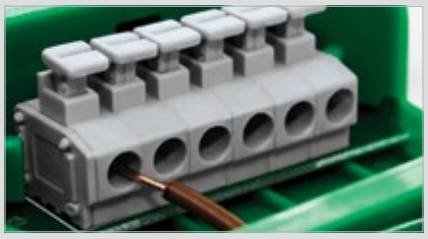
Quick & easy installation

WIDER ACCESS FOR WIRING

Clear access is provided to the terminal block for easy wiring.

LARGER TERMINAL BUTTONS

FGLED6® provides larger terminal buttons and wire entry points.



SOLID & STRANDED CABLE

FGLED6® accommodates both solid and stranded cable.

CLASSIFICATION
Class 1
IP65 | 240V | Zone 1

LED
3000K 4000K

Warm white (3000K) | CRI: Ra (80)
Cool white (4000K) | CRI: Ra (80)

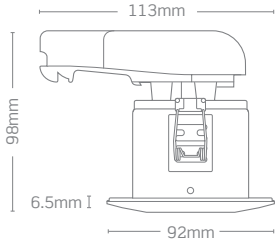
FINISH
Brushed nickel, chrome, white

CONSTRUCTION
Body - Pressed steel
Bezel - Die-cast aluminium
Max. void working temp. 30°C

CUTOUT SIZES
Ø72-74mm - 12.5mm thick
30 minute ceiling types

Ø79mm-81mm - 30mm thick
60-90 minute ceiling types

COMPATIBLE LED DIMMER
See page 238



FGLED6

High performance fire-rated LED downlight

10 year Extended warranty*
Dimmable As standard
IP65 Suitable for bathrooms
Emergency Versions available

- Outperforms traditional 50W GU10 halogen downlights
- Ideal retrofit halogen replacement
- Patented design that ensures reliability
- Fully compliant with building regulations
- IP65, ideal for use in bathrooms and kitchens
- 38° beam angle

JC94472CH

JC94472BN

JC94472WH

CODE	DESCRIPTION	COLOUR TEMP.	WATT**	LUMENS
JC**94472**	FGLED6® mains dimmable	Warm white	6W	450
JC**94473**	FGLED6® mains dimmable	Cool white	6W	500
JC**94474**	FGLED6® mains non-dimmable	Warm white	6W	450
JC**94475**	FGLED6® mains non-dimmable	Cool white	6W	500
JC**94476**	FGLED6® mains dimmable emergency	Warm white	6W	450
JC**94477**	FGLED6® mains dimmable emergency	Cool white	6W	500
JC**94478**	FGLED6® mains non-dimmable emergency	Warm white	6W	450
JC**94479**	FGLED6® mains non-dimmable emergency	Cool white	6W	500

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

**LED Wattage = 6W Total Wattage = 7.2W max

FGLED6® Tilt

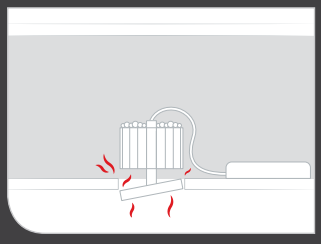
Tiltable version of FGLED6® for complete lighting control

ULTRA EFFICIENT
6W LED
7.2W TOTAL WATTAGE

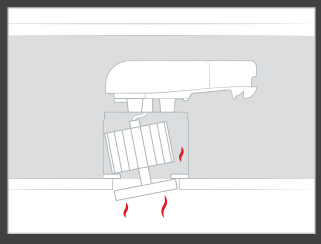
UP TO
69 LPCW
LUMENS PER CIRCUIT WATT

UP TO
500
LUMENS

Enclosed steel can, essential for fire rating

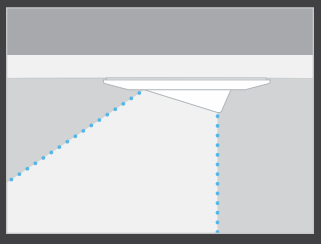


Competitor product without an enclosed can

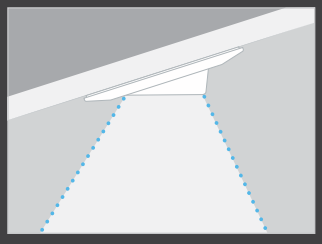


FGLED6® Tilt with an enclosed steel can

Ideal for sloped ceilings and directional lighting



Use on horizontal ceilings to direct light and wall wash.



Use on sloped ceilings to provide vertical downlight.

FGLED6. Tilt

All the features of FGLED6® with unique tilt & rotate

10 year
Extended warranty*

Dimmable
As standard

- 20˚ tiltable and 350˚ rotatable lens
- 85% energy saving against halogen
- Outperforms 50W GU10 halogen
- High quality, die cast aluminium bezel
- Fully compliant with building regulations

CLASSIFICATION
Class 1
IP20 | 240V

LED
3000K 4000K

Warm white (3000K) | CRI: Ra (80)
Cool white (4000K) | CRI: Ra (80)

FINISH
Brushed nickel, chrome, white

CONSTRUCTION
Body - Pressed steel
Bezel - Die-cast aluminium
Max. void working temp. 30°C

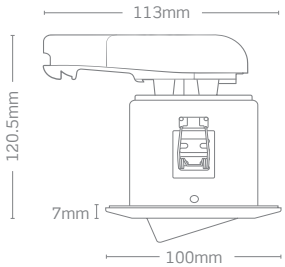
CUTOUT SIZES
Ø84-86mm
30, 60 & 90 minute ceiling types

COMPATIBLE LED DIMMER
See page 238

JC94481CH

JC94481BN

JC94481WH



CODE	DESCRIPTION	COLOUR TEMP.	WATT**	LUMENS
JC**94481**	FGLED6® Tilt mains dimmable	Warm white	6W	450
JC**94482**	FGLED6® Tilt mains dimmable	Cool white	6W	500

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

**LED Wattage = 6W Total Wattage = 7.2W max

FGLED6. Square

The market leading fire-rated LED downlight

10 year
Extended warranty*

Dimmable
Option

IP65
Suitable for bathrooms

Emergency
Versions available

- Square bezel version of the FGLED6® range
- Outperforms 50W GU10 halogen
- Fully compliant with building regulations
- Six LED array provides clear, crisp light
- High quality, die-cast aluminium bezel
- 38° beam angle

JC94572CH

JC94572BN

JC94572WH

CLASSIFICATION
Class 1
IP65 | 240V | Zone 1

LED

3000K 4000K

Warm white (3000K) | CRI: Ra (80)
Cool white (4000K) | CRI: Ra (80)

FINISH
Brushed nickel, chrome, white

CONSTRUCTION
Body - Pressed steel
Bezel - Die-cast aluminium
Max. void working temp. 30°C

CUTOUT SIZES
Ø72-74mm - 12.5mm thick
30 minute ceiling types

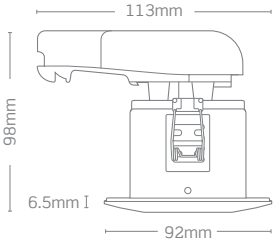
Ø79mm-81mm - 30mm thick
60-90 minute ceiling types

COMPATIBLE LED DIMMER
See page 238

CODE	DESCRIPTION	COLOUR TEMP.	WATT**	LUMENS
JC**94572**	FGLED6® Square dimmable	Warm white	6W	450
JC**94573**	FGLED6® Square dimmable	Cool white	6W	500
JC**94574**	FGLED6® Square non-dimmable	Warm white	6W	450
JC**94575**	FGLED6® Square non-dimmable	Cool white	6W	500
JC**94576**	FGLED6® Square dimmable emergency	Warm white	6W	450
JC**94577**	FGLED6® Square dimmable emergency	Cool white	6W	500
JC**94578**	FGLED6® Square non-dimmable emergency	Warm white	6W	450
JC**94579**	FGLED6® Square non-dimmable emergency	Cool white	6W	500

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

**LED Wattage = 6W Total Wattage = 7.2W max



FGLED3®

The cost effective fire-rated LED downlight

ULTRA EFFICIENT
3W LED
4.8W TOTAL WATTAGE

UP TO
79 LPCW
LUMENS PER CIRCUIT WATT

UP TO
380
LUMENS

✕ Replacement LED GU10 lamps

COMPROMISE RELIABILITY & LOOKS

- Typical 2 year warranty
- Not designed to operate within a can
- Heat build up reduces LED life
- Average life of just 15,000 hours

✓ FGLED3®

GUARANTEED QUALITY

- 10 year warranty for entire fitting
- Guaranteed performance & fire safety
- Unique design ensures adequate airflow
- Outstanding 50,000 hours lifetime

90°C Operating temperature

40°C Operating temperature

CLASSIFICATION
Class 1
IP65 | 240V | Zone 1

LED

3000K 4000K

Warm white (3000K) | CRI: Ra (80)
Cool white (4000K) | CRI: Ra (80)

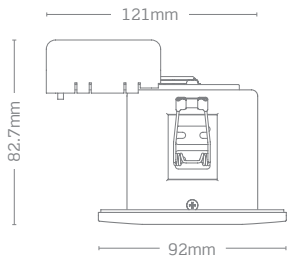
FINISH
Brushed nickel, chrome, white

CONSTRUCTION
Body - Pressed steel
Bezel - Die-cast aluminium
Max. void working temp. 30°C

CUTOUT SIZES
Ø72-74mm - 12.5mm thick
30 minute ceiling types

Ø79mm-81mm - 30mm thick
60-90 minute ceiling types

COMPATIBLE LED DIMMER
See page 238



FGLED3

Cost effective fire-rated LED downlight

10 year
Extended warranty*

Dimmable
As standard

IP65
Suitable for bathrooms

- Dimmable as standard
- 82.7mm depth, ideal for shallow ceiling voids
- Ultra fast press-fit termination
- Up to 88% saving against halogen
- Advanced LED chips
- 50,000 hours life
- 38° beam angle

JC94301CH

JC94301BN

JC94301WH

CODE	DESCRIPTION	COLOUR TEMP.	WATT**	LUMENS
JC**94301**	FGLED3® mains dimmable	Warm white	3W	320
JC**94302**	FGLED3® mains dimmable	Cool white	3W	380

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

**LED Wattage = 3W Total Wattage = 4.8W max

FGLED3. Tilt

NEW PRODUCT

Tiltable version of FGLED3® for complete control

10 year
Extended warranty*

Dimmable
As standard

- 20° tiltable and 350° rotatable lens
- 88% energy saving against halogen
- Dimmable as standard
- Ideal for shallow ceiling voids (87mm high)
- Ultra fast press-fit termination
- Unique crystal clear engineered lenses

JC94303CH

JC94303BN

JC94303WH

CLASSIFICATION
Class 1
IP20 | 240V | Zone 1

LED

3000K 4000K

Warm white (3000K) | CRI: Ra (80)
Cool white (4000K) | CRI: Ra (80)

FINISH
Brushed nickel, chrome, white

CONSTRUCTION
Body – Pressed steel
Bezel – Die-cast aluminium
Max. void working temp. 30°C

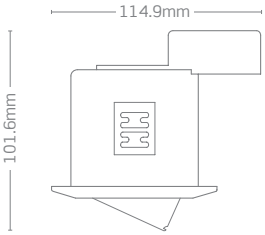
CUTOUT SIZES
Ø84-86mm

COMPATIBLE LED DIMMER
See page 238

CODE	DESCRIPTION	COLOUR TEMP.	WATT**	LUMENS
JC**94303**	FGLED3® Tilt mains dimmable	Warm white	3W	320
JC**94304**	FGLED3® Tilt mains dimmable	Cool white	3W	380

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

**LED Wattage = 3W Total Wattage = 4.8W max



FGLED3. Square

Cost effective fire-rated LED downlight

10 year
Extended warranty*

Dimmable
As standard

IP65
Suitable for bathrooms

More options
See pages 31 & 32

- Dimmable as standard
- 82.7mm depth, ideal for shallow ceiling voids
- Press-fit termination
- Up to 88% saving against halogen
- Advanced LED chips
- 50,000 hours life
- 38° beam angle

JC94311CH

JC94311BN

JC94311WH

CLASSIFICATION
Class 1
IP65 | 240V | Zone 1

LED

3000K 4000K

Warm white (3000K) | CRI: Ra (80)
Cool white (4000K) | CRI: Ra (80)

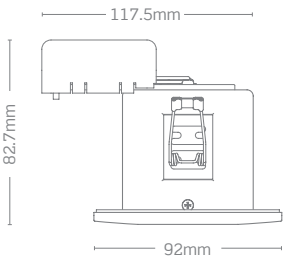
FINISH
Brushed nickel, chrome, white

CONSTRUCTION
Body - Pressed steel
Bezel - Die-cast aluminium
Max. void working temp. 30°C

CUTOUT SIZES
Ø72-74mm - 12.5mm thick
30 minute ceiling types

Ø79mm-81mm - 30mm thick
60-90 minute ceiling types

COMPATIBLE LED DIMMER
See page 238



CODE	DESCRIPTION	COLOUR TEMP.	WATT**	LUMENS
JC**94311**	FGLED3® Square dimmable	Warm white	3W	320
JC**94312**	FGLED3® Square dimmable	Cool white	3W	380

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

**LED Wattage = 3W Total Wattage = 4.8W max

CLASSIFICATION
Class 1
IP65 | 240V | Zone 1

LED

3000K

Warm white (3000K) | CRI: Ra (80)

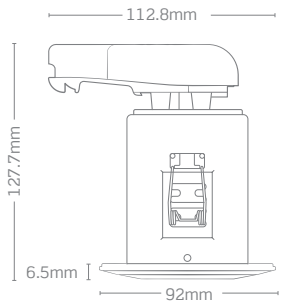
FINISH
Brushed nickel, chrome, white

CONSTRUCTION
Body - Pressed steel
Bezel - Die-cast aluminium
Max. void working temp. 30°C

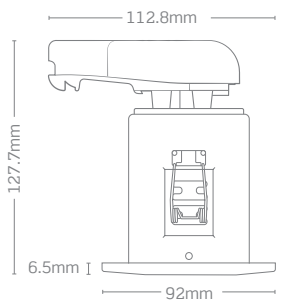
CUTOUT SIZES
Ø72-74mm - 12.5mm thick
30 minute ceiling types

Ø79mm-81mm - 30mm thick
60-90 minute ceiling types

JC94507/11



JC94515/19



FGLED Anti-Glare

The quality of FGLED® with discreet light source

10 year
Extended warranty*

IP65
Suitable for bathrooms

Emergency
Versions available

- Recessed LED module
- Ideal for corridors, bars, restaurants and retail
- Black baffle to reduce glare
- Dimmable as standard
- 25˚ beam angle

JC94507CH

JC94515BN

CODE	DESCRIPTION	COLOUR TEMP.	WATT**	LUMENS
JC**94507**	FGLED® Anti-glare round dimmable	Warm white	6W	272
JC**94515**	FGLED® Anti-glare square dimmable	Warm white	6W	272
JC**94511**	FGLED® Anti-glare round dimmable emergency	Warm white	6W	272
JC**94519**	FGLED® Anti-glare square dimmable emergency	Warm white	6W	272

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

**LED Wattage = 6W Total Wattage = 7.2W

FGLED Converter Plate

Available for FGLED3®, FGLED6® & FGLED10®

- Allows for the retrofit of standard FGLED10®, FGLED6® & FGLED3® units, where larger downlights were previously installed.
- Part B compliant (Fire-rated)
- Suitable for all ceilings types for cutouts 80-130mm in diameter
- Brushed nickel, chrome and white finish to match bezels
- IP65, suitable for bathrooms
- FGLED6® Tilt version available

JC94180CH

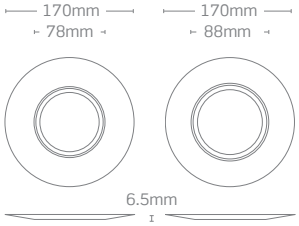
CODE	DESCRIPTION
JC**94180**	FGLED10/6/3® converter plate
JC**94184**	FGLED6® Tilt converter plate* (IP20)

* Fitting not included

JC94180BN

JC94180WH

JC94180 **JC94184**



FGLED Concealer Ring

Available for FGLED3®, FGLED6® & FGLED10®

- Subtle retrofit option for standard FGLED® units where the ceiling cutout may have suffered cosmetic damage. (Note: Does not maintain fire rated ceiling)
- For use with ceiling cut outs 80-110mm in diameter
- White finish to match standard ceiling colour
- Ideal for installing FGLED® into suspended ceilings
- IP20 rating

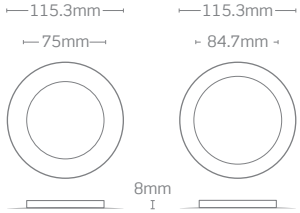
JC94183

CODE	DESCRIPTION
JC**94183**	FGLED10/6/3® concealer ring white (5 pack)
JC**94185**	FGLED6® Tilt concealer ring (5 pack)

* Fitting not included

CUTOUT SIZES
JC94183 - Ø78mm
JC94185 - Ø88mm

JC94183 **JC94185**



UPGRADED PRODUCT

Twist & Lock Mains

Fire-rated twist and lock mains downlight

2 year
Product guarantee

- Fire-rated 240V 50W MAX downlights, maintaining the fire-rating of ceilings
- Twist & lock lamp retainer for easy lamp removal
- NEW press fit terminal, loop-in/loop-out
- Lamp not supplied

CLASSIFICATION
Class 2 (earth provision)
IP20 I 240V

LAMP (NOT SUPPLIED)
GU10 50W MAX

FINISH
Brushed nickel, chrome, white

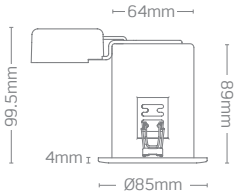
CONSTRUCTION
Body - Pressed steel

CUTOUT SIZES
JC94113 - ø74mm
JC94114 - ø85mm

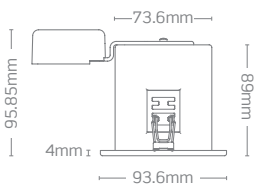
JC94113WH

JC94114CH

JC94113



JC94114



CODE	DESCRIPTION	LAMP
JC**94113**	Fire-rated twist & lock	GU10 50W MAX
JC**94114**	Fire-rated 15° tiltable twist & lock	GU10 50W MAX

Showerlight

Fire-rated enclosed IP65 downlight

2 year
Product guarantee

IP65
Suitable for bathrooms

- Fire-rated 240V showerlight
- IP65, suitable for use in bathrooms
- NEW Press fit terminal, loop-in/loop-out
- Lamp not supplied

CLASSIFICATION
Class 1
IP65 | 240V | Zone 1

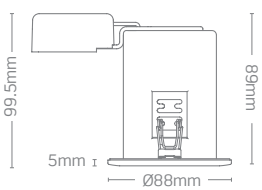
LAMP (NOT SUPPLIED)
GU10 50W MAX

FINISH
Brass, brushed nickel, chrome, white

CONSTRUCTION
Body - Pressed steel
Glass - Borasilicate front lens

CUTOUT SIZE
ø74mm

JC94110 BN



CODE	DESCRIPTION	LAMP
JC**94110**	Fire-rated enclosed IP65 downlight	GU10 50W MAX

CLASSIFICATION
Class 1
IP20 | 240V

LAMP (NOT SUPPLIED)
QPAR16 50W GU10

FINISH
Brushed nickel, chrome, white

CONSTRUCTION
Body - Pressed steel

CUTOUT SIZES
ø89-125mm

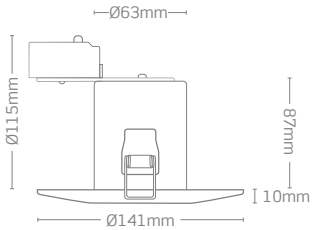
Large Bezel Mains

Fire-rated large bezel downlight

2 year
Product guarantee

- Fire-rated downlight with a wide bezel
- Suitable for the ceiling aperture left by most large tungsten downlights
- Suitable for cutouts from 89-125mm
- Lamp not supplied

JC94238WH



CODE	DESCRIPTION	LAMP
JC**94238**	Fire-rated large bezel	QPAR16 50W

02

Downlights

JCC® | a LEVITON® company

43
NEBULA™

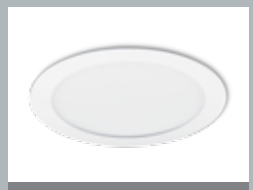
45
NEBULA™
DARKLIGHT

47
CORAL LED™
16W

48
CORAL LED™
24W

49
CORAL LED™
32W

50
CORAL LED™
RIMS


53
SKYDISC™
10W & 13W

54
SKYDISC™
17W & 21W

55
SKYDISC™
25W

56
WALL WASHER

57
CORAL LED™
MINI

58
RAKULA LED™

59
STARSCOOP™
ROUND

60
STARSCOOP™
LINEAR

61
MAINS
SHOWERLIGHT

62
TWIST & LOCK
MAINS

63
STANDARD HALOGEN
DOWNLIGHTS

64
RETAIL LIGHT BOX
SINGLE & DOUBLE

65
RETAIL LIGHT BOX
TRIPLE

Nebula™

High output contemporary LED downlights

UP TO
90 LPCW
LUMENS PER CIRCUIT WATT

UP TO
1350
LUMENS

EXTENDED
10 YEAR
WARRANTY

Ideal for shallow ceiling voids

Nebula™ has been designed for ceilings with shallow voids, with a maximum product height of only 58mm.

Slim profile bezel for discreet installation

NEW PRODUCT

Nebula

Low profile LED downlights

10 year Extended warranty*

Dimmable Options

More options See page 45

Emergency Versions available

- Slim profile bezel for discrete installations
- Ultra-efficient, up to 90 lumens per circuit Watt
- Ideal for shallow ceiling voids
- IP44 protection against dust and moisture
- IP65 sealable gasket available
- Emergency versions available upon request

CLASSIFICATION
Class 2
IP44 | IP65 (with sealable gasket)
240V

LED
3000K | CRI:Ra (80)
4000K | CRI: Ra (80)

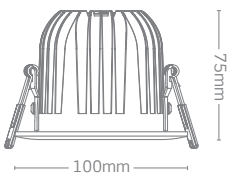
FINISH
White

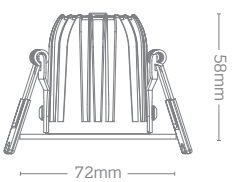
CONSTRUCTION
Body - Die-cast aluminium
Reflector & rim - Aluminium
Lens - Clear glass

CUTOUT SIZES
8W - Ø64mm
12W/15W - Ø91mm

COMPATIBLE LED DIMMER
See page 238

JC95101

12W/15W


8W


CODE	DESCRIPTION	BEAM	COL. TEMP.	WATT	LUMENS
JC**95101**	Nebula™ LED downlight non-dimmable	40°	3000K	8W	600
JC**95101DIM**	Nebula™ LED downlight dimmable	40°	3000K	8W	600
JC**95102**	Nebula™ LED downlight non-dimmable	40°	4000K	8W	650
JC**95102DIM**	Nebula™ LED downlight dimmable	40°	4000K	8W	650
JC**95111**	Nebula™ LED downlight non-dimmable	60°	3000K	12W	900
JC**95111DIM**	Nebula™ LED downlight dimmable	60°	3000K	12W	900
JC**95112**	Nebula™ LED downlight non-dimmable	60°	4000K	12W	1000
JC**95112DIM**	Nebula™ LED downlight dimmable	60°	4000K	12W	1000
JC**95121**	Nebula™ LED downlight non-dimmable	60°	3000K	15W	1200
JC**95121DIM**	Nebula™ LED downlight dimmable	60°	3000K	15W	1200
JC**95122**	Nebula™ LED downlight non-dimmable	60°	4000K	15W	1350
JC**95122DIM**	Nebula™ LED downlight dimmable	60°	4000K	15W	1350
JC**95130**	IP65 gasket for Nebula™ downlight 12W/15W (5pcs)	-	-	-	-

*Requires online registration

Nebula™ Darklight

High output contemporary tiltable LED downlights

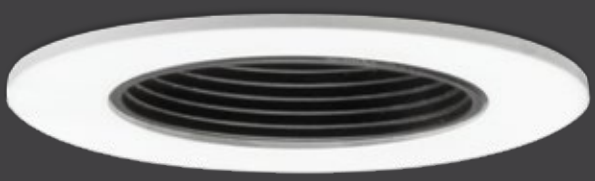
UP TO
73 LPCW
LUMENS PER CIRCUIT WATT

UP TO
1100
LUMENS

EXTENDED
10 YEAR
WARRANTY

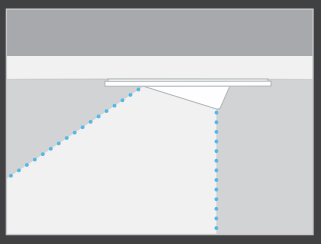
Darklight bezel for low glare installations

The anti-glare baffle design across the JCC range of 8W, 12W and 15W downlights, make them more suitable to applications which require low glare lighting.

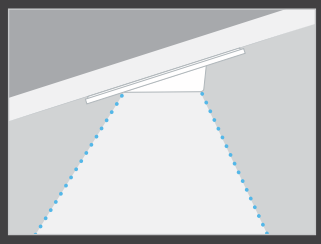


35° tilt for sloped ceilings & directional lighting

Tiltable as standard to 35°, ensures that the Nebula™ Darklight range is a versatile downlight for use in highlighting and directional lighting



Use on horizontal ceilings to direct light and wall wash.



Use on sloped ceilings to provide vertical downlight.

NEW PRODUCT

Nebula Darklight

Low profile tiltable LED downlights

10 year Extended warranty*

Dimmable Options

More options See page 43

Emergency Versions available

- Recessed LED module for low glare applications
- 35° tiltable downlight
- Slim profile bezel for discrete installations
- Leading and trailing edge dimming
- Ultra-efficient, up to 73 lumens per circuit Watt
- 40° beam angle
- Emergency versions available upon request

CLASSIFICATION
Class 2
IP20 | 240V

LED
3000K | CRI:Ra (80)
4000K | CRI: Ra (80)

FINISH
White

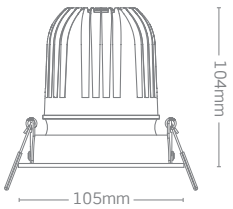
CONSTRUCTION
Body - Die-cast aluminium
Reflector & rim - Aluminium
Lens - Clear glass

CUTOUT SIZES
8W - Ø75mm
12W/15W - Ø95mm

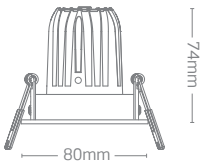
COMPATIBLE LED DIMMER
See page 238

JC95201

12W/15W



8W



CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**95201**	Nebula™ Darklight LED downlight non-dimmable	3000K	8W	525
JC**95201DIM**	Nebula™ Darklight LED downlight dimmable	3000K	8W	525
JC**95202**	Nebula™ Darklight LED downlight non-dimmable	4000K	8W	575
JC**95202DIM**	Nebula™ Darklight LED downlight dimmable	4000K	8W	575
JC**95211**	Nebula™ Darklight LED downlight non-dimmable	3000K	12W	800
JC**95211DIM**	Nebula™ Darklight LED downlight dimmable	3000K	12W	800
JC**95212**	Nebula™ Darklight LED downlight non-dimmable	4000K	12W	850
JC**95212DIM**	Nebula™ Darklight LED downlight dimmable	4000K	12W	850
JC**95221**	Nebula™ Darklight LED downlight non-dimmable	3000K	15W	1050
JC**95221DIM**	Nebula™ Darklight LED downlight dimmable	3000K	15W	1050
JC**95222**	Nebula™ Darklight LED downlight non-dimmable	4000K	15W	1100
JC**95222DIM**	Nebula™ Darklight LED downlight dimmable	4000K	15W	1100

*Requires online registration

Coral LED™

Over 50% more efficient than CFL

UP TO
100 LPCW
LUMENS PER CIRCUIT WATT

UP TO
2800
LUMENS

Accessorise your Coral LED™ fittings with a number of decorative rims

Complete the look of your Coral LED™ fittings with a number of different decorative rims. See page 50 for a full list of options.

- WHITE RIM WITH DROPPED GLASS
- WHITE RIM WITH HALO DROPPED GLASS
- CHROME ALUMINIUM RIM
- WHITE ALUMINIUM RIM WITH FROSTED GLASS
- IP65 WHITE RIM WITH CLEAR GLASS

CLASSIFICATION
Class 1
Class 2 (dimmable only)
IP20 | IP65 with additional rim | 240V

LED

4000K

4000K | CRI: Ra (90)

FINISH
See rim options on page 50

CONSTRUCTION
Body - Die-cast aluminium
Reflector & rim - Aluminium

CUTOUT SIZES
Ø212mm

Coral LED 16W

Ultra low energy commercial LED downlight

5 year
Extended warranty*

Dimmable
Options

Emergency
Versions available

Rim options
See page 50

- 2x18W CFL direct replacement
- Over 50% energy saving
- Structural heat sink removes the need for noisy and inefficient cooling fans
- Zero maintenance, no need to relamp
- Quick & easy retrofit
- Ideal for lower level lighting applications such as corridors and walkways

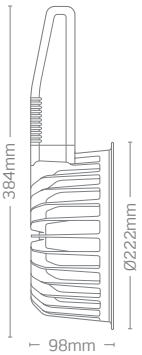
JC5421

Rim not included -
Shown with JC5052N

JC5410

DIMMABLE & DIM EMERG.

STANDARD & STANDARD EMERG.



CODE	DESCRIPTION	WATT	LUMENS
JC**5421**	Coral LED™ non-dimmable	16W	1600
JC**5421/1-10V**	Coral LED™ 1-10V dimmable	16W	1600
JC**5421DALI**	Coral LED™ DALI dimmable	16W	1600
JC**5421DSI**	Coral LED™ DSI dimmable	16W	1600
JC**5421EM**	Coral LED™ non-dimmable emergency	16W	1600
JC**5421EM/1-10V**	Coral LED™ 1-10V dimmable emergency	16W	1600
JC**5421EMDALI**	Coral LED™ DALI dimmable emergency	16W	1600
JC**5421EMDSI**	Coral LED™ DSI dimmable emergency	16W	1600
JC**5410**	Coral LED™ concealer ring white	-	-

*Requires online registration

Coral LED 24W

High performance commercial LED downlight

5 year
Extended warranty*

Dimmable
Options

Emergency
Versions available

Rim options
See page 50

- Market leading performance at up to 92 lpcW
- 2x26W CFL direct replacement
- Over 50% energy saving
- CRI 90, suitable for retail applications
- Zero maintenance, no need to relamp
- Shallow recess depth - standard ceiling cutout size
- Pre-wired with GST plug for quick and easy installation (standard fitting only)

JC5420

Rim not included -
Shown with JC5052N

CLASSIFICATION

Class 1
Class 2 (dimmable only)
IP20 | IP65 with additional rim | 240V

LED

4000K

4000K | CRI: Ra (90)

FINISH

See rim options on page 50

CONSTRUCTION

Body - Die-cast aluminium
Reflector & rim - Aluminium

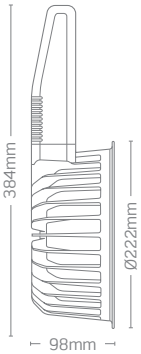
CUTOUT SIZES

Ø212mm

JC5410

DIMMABLE & DIM EMERG.

STANDARD & STANDARD EMERG.



CODE	DESCRIPTION	WATT	LUMENS
JC**5420**	Coral LED™ non-dimmable	24W	2200
JC**5420/1-10V**	Coral LED™ 1-10V dimmable	24W	2200
JC**5420DALI**	Coral LED™ DALI dimmable	24W	2200
JC**5420DSI**	Coral LED™ DSI dimmable	24W	2200
JC**5420EM**	Coral LED™ non-dimmable emergency	24W	2200
JC**5420EM/1-10V**	Coral LED™ 1-10V dimmable emergency	24W	2200
JC**5420EMDALI**	Coral LED™ DALI dimmable emergency	24W	2200
JC**5420EMDSI**	Coral LED™ DSI dimmable emergency	24W	2200
JC**5410**	Coral LED™ concealer ring white	-	-

*Requires online registration

CLASSIFICATION
Class 1
Class 2 (dimmable only)
IP20 | IP65 with additional rim | 240V

LED

4000K

4000K | CRI: Ra (90)

FINISH
See rim options on page 50

CONSTRUCTION
Body - Die-cast aluminium
Reflector & rim - Aluminium

CUTOUT SIZES
Ø212mm

Coral LED 32W

High output commercial LED downlight

5 year
Extended warranty*

Dimmable
Options

Emergency
Versions available

Rim options
See page 50

- 2x32W CFL direct replacement
- 50% energy saving
- CRI 90, suitable for retail applications
- Zero maintenance, no need to relamp
- Quick & easy CFL retrofit
- Suitable for higher ceiling applications where a greater light output is required

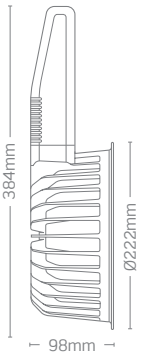
JC5422

Rim not included -
Shown with JC5052N

JC5410

DIMMABLE & DIM EMERG.

STANDARD & STANDARD EMERG.



CODE	DESCRIPTION	WATT	LUMENS
JC**5422**	Coral LED™ non-dimmable	32W	2800
JC**5422/1-10V**	Coral LED™ 1-10V dimmable	32W	2800
JC**5422DALI**	Coral LED™ DALI dimmable	32W	2800
JC**5422DSI**	Coral LED™ DSI dimmable	32W	2800
JC**5422EM**	Coral LED™ non-dimmable emergency	32W	2800
JC**5422EM/1-10V**	Coral LED™ 1-10V dimmable emergency	32W	2800
JC**5422EMDALI**	Coral LED™ DALI dimmable emergency	32W	2800
JC**5422EMDSI**	Coral LED™ DSI dimmable emergency	32W	2800
JC**5410**	Coral LED™ concealer ring white	-	-

*Requires online registration

Coral LED Rims

Rim accessories to complement the Coral LED™ range

- Rim options for final colour and decoration of Coral LED downlights
- Dropped glass options
- IP65 rim option
- Simple twist and lock fitting

CONSTRUCTION
Body – Die-cast aluminium
Glass - Tempered

JC5052 N

JC5110

JC5118

JC5054

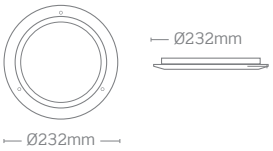
JC5060

JC5368 - IP65

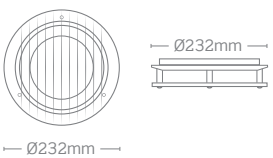
CODE	DESCRIPTION
JC**5052 N**	Coral LED™ white aluminium rim
JC**5110**	Coral LED™ white rim with dropped glass
JC**5118**	Coral LED™ white rim with halo dropped glass
JC**5054**	Coral LED™ chrome aluminium rim
JC**5060**	Coral LED™ white aluminium rim c/w frosted glass
JC**5368**	Coral LED™ IP65 rim attachment white rim/clear glass

*Coral LED™ downlight ordered separately

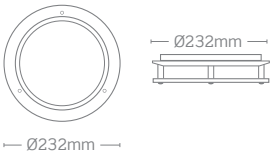
JC5052 N , 54, 60 & JC5368



JC5110



JC5118



Car insurance

Skydisc™

Ultra slim profile commercial downlights

UP TO
96 LPCW
LUMENS PER CIRCUIT WATT

UP TO
2400
LUMENS

EXTENDED
5 YEAR
WARRANTY

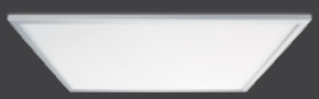
Quick & easy installation

Shallow fitting depth of 22mm

Skydisc's ultra slim profile makes them the ideal solution for shallow ceiling voids.

Designed to compliment Skytile®

4700K



Skytile®
See jcc.co.uk/skytile

Skydisc™ fittings have been designed with high specification LED chips to ensure colour consistency.

CLASSIFICATION
Class 1 (Emergency versions)
Class 2
IP20 | 240V

LED

4000K | CRI: Ra (82)
4700K | CRI: Ra (82)

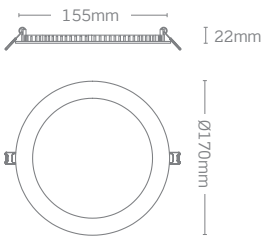
FINISH
White

CONSTRUCTION
Body - Die-cast aluminium
Diffuser - Polycarbonate

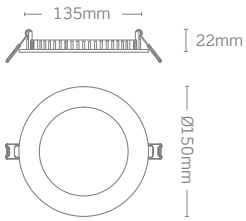
CUTOUT SIZES
JC71380/4 - Ø138mm
JC71381/5 - Ø156mm

COMPATIBLE LED DIMMER
See page 238

JC71381/5



JC71380/4



Skydisc

Slim profile commercial downlights

5 year
Extended warranty*

Dimmable
As standard

Emergency
Versions available

- 50% energy saving against 18W and 26W CFL downlights
- Up to 75 lumens per circuit Watt
- Designed to compliment Skytile® colour temperatures
- 22mm height for shallow ceiling voids (40mm minimum void)
- Lifelong consistent colour rendering
- Easy to clean wipeable surfaces, ideal for schools and hospitals
- Ultra secure spring clips
- Dimmable as standard, with both leading edge and trailing edge Triac dimmers
- 120° Beam angle

JC71380

JC71381

CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**71380**	Skydisc™ LED dimmable circular panel	4000K	10W	700
JC**71384**	Skydisc™ LED dimmable circular panel	4700K	10W	700
JC**71381**	Skydisc™ LED dimmable circular panel	4000K	13W	975
JC**71385**	Skydisc™ LED dimmable circular panel	4700K	13W	975
JC**71380EM**	Skydisc™ LED dimmable circular panel emergency	4000K	10W	700
JC**71384EM**	Skydisc™ LED dimmable circular panel emergency	4700K	10W	700
JC**71381EM**	Skydisc™ LED dimmable circular panel emergency	4000K	13W	975
JC**71385EM**	Skydisc™ LED dimmable circular panel emergency	4700K	13W	975

*Requires online registration.

Skydisc

Slim profile commercial downlights

5 year
Extended warranty*

Dimmable
As standard

Emergency
Versions available

- Over 50% energy saving against 32W and 2x18W CFL downlights
- Up to 77 lumens per circuit Watt
- Designed to compliment Skytile® colour temperatures
- 22mm height for shallow ceiling voids (40mm minimum void)
- Lifelong consistent colour rendering
- Easy to clean wipeable surfaces, ideal for schools and hospitals
- Ultra secure spring clips
- Dimmable as standard, with both leading edge and trailing edge Triac dimmers
- 120° Beam angle

JC71382

JC71383

CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**71382**	Skydisc™ LED dimmable circular panel	4000K	17W	1220
JC**71386**	Skydisc™ LED dimmable circular panel	4700K	17W	1220
JC**71383**	Skydisc™ LED dimmable circular panel	4000K	21W	1590
JC**71387**	Skydisc™ LED dimmable circular panel	4700K	21W	1615
JC**71382EM**	Skydisc™ LED dimmable circular panel emergency	4000K	17W	1220
JC**71386EM**	Skydisc™ LED dimmable circular panel emergency	4700K	17W	1220
JC**71383EM**	Skydisc™ LED dimmable circular panel emergency	4000K	21W	1590
JC**71387EM**	Skydisc™ LED dimmable circular panel emergency	4700K	21W	1615

*Requires online registration.

CLASSIFICATION
Class 1 (Emergency versions)
Class 2
IP20 | 240V

LED

4000K | CRI: Ra (82)
4700K | CRI: Ra (82)

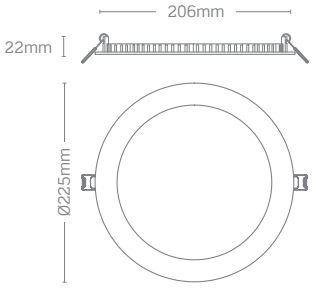
FINISH
White

CONSTRUCTION
Body - Die-cast aluminium
Diffuser - Polycarbonate

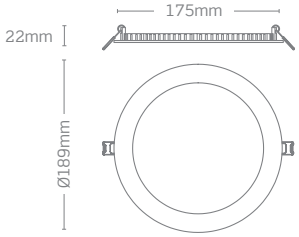
CUTOUT SIZES
JC71382/6 - Ø178mm
JC71383/7 - Ø210mm

COMPATIBLE LED DIMMER
See page 238

JC71383/7



JC71382/6



NEW VARIANT

Skydisc

Slim profile commercial downlights

5 year
Extended warranty*

Dimmable
As standard

Emergency
Versions available

- Over 50% energy saving against 2X26W and 2X32W CFL downlights
- Up to 96 lumens per circuit Watt
- Designed to compliment Skytile® colour temperatures
- 22mm height for shallow ceiling voids (40mm minimum void)
- Lifelong consistent colour rendering
- Easy to clean wipeable surfaces, ideal for schools and hospitals
- Ultra secure spring clips
- Dimmable as standard, with both leading edge and trailing edge Triac dimmers
- 120° Beam angle

CLASSIFICATION
Class 1 (Emergency versions)
Class 2
IP20 | 240V

LED
4000K | CRI: Ra (82)
4700K | CRI: Ra (82)

FINISH
White

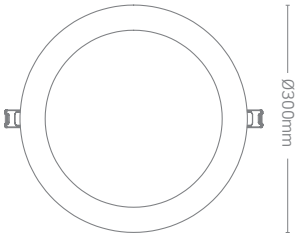
CONSTRUCTION
Body - Die-cast aluminium
Diffuser - Polycarbonate

CUTOUT SIZES
JC71388/9 - Ø285mm

COMPATIBLE LED DIMMER
See page 238

JC71388

JC71388/9



CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**71388**	Skydisc™ LED dimmable circular panel	4000K	25W	2400
JC**71389**	Skydisc™ LED dimmable circular panel	4700K	25W	2400
JC**71388EM**	Skydisc™ LED dimmable circular panel emergency	4000K	25W	2400
JC**71389EM**	Skydisc™ LED dimmable circular panel emergency	4700K	25W	2400

*Requires online registration.

Wall Washer

High performance 600x300 retail wall washer

5 year
Extended warranty*

- Direct replacement for TC-L 55W
- Designed for directional wall washing
- Up to 33% energy saving against fluorescent
- Highly efficient, providing 68 lpcW
- No UV, ideal for retail applications
- Smooth and even light distribution
- Designed to compliment Skytile® colour temperatures

JC47051

CLASSIFICATION
Class 2
IP20 | 240V

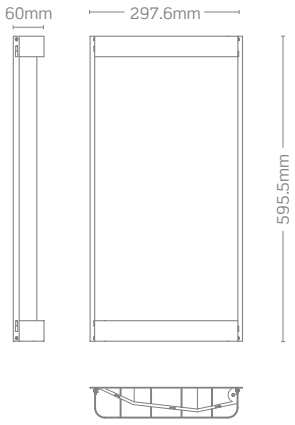
LED

4700K

4700K | CRI: Ra (82)

FINISH
White

CONSTRUCTION
Reflector - White aluminium painted sheet
End caps - Polycarbonate
T-section - Extruded aluminium



CODE	DESCRIPTION	WATT	LUMENS
JC**47051**	Wall washer LED 600x300mm	41W	2800

*Requires online registration.

CLASSIFICATION
Class 1
IP20 | 240V

LED

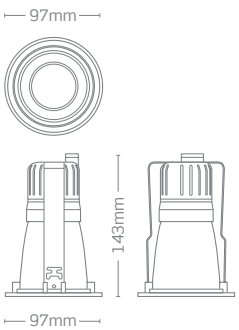
4000K

4000K | CRI: Ra (85)

FINISH
See rim option

CONSTRUCTION
Body - Mild steel plated
Base rim - Aluminium
Front rim - Aluminium
Reflector - Aluminium
Control box - Polycarbonate

CUTOUT SIZES
Ø86mm



Coral LED Mini

High performance LED downlight

5 year
Extended warranty*

Emergency
Versions available

- Direct 18W CFL replacement
- Mains driven LED, no driver required
- Over 50% energy saving against CFL
- Discreet light source
- Outstanding lumen maintenance
- Instant start up, flicker free
- Zero UV, no colour fade or bleaching of colour sensitive objects such as clothing or retail displays in commercial environments

JC5133
Shown with JC5092 rim (rim not included)

CODE	DESCRIPTION	WATT	LUMENS
JC**5133**	Coral LED™ Mini downlight	8.5W	450
JC**5133HF3M**	Coral LED™ Mini downlight emergency	8.5W	450
JC**5092**	White rim	-	-

Downlight is supplied without finish rim

*Requires online registration

Rakula LED

High output commercial LED downlight

5 year
Extended warranty*

Emergency
Versions available

- High output commercial downlight
- Shallow 57mm fixture height
- Suitable for use with movement and daylight sensors for further reduction in energy consumption

JC71274

CLASSIFICATION
Class 1 (** remote gear only)
Class 2
IP20 | 240V

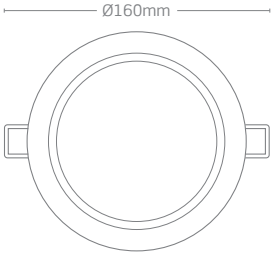
LED

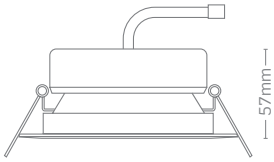
3000K | CRI: Ra (81)
4000K | CRI: Ra (81)

FINISH
White

CONSTRUCTION
Body - Die-cast aluminium

CUTOUT SIZES
Ø135mm





CODE	DESCRIPTION	COL TEMP.	WATT	LUMENS
JC**71275**	Rakula™ high output LED downlight	3000K	18W	1400
JC**71274**	Rakula™ high output LED downlight	4000K	18W	1570
JC**71807****	Rakula™ high output LED downlight emergency	4000K	18W	1570

*Requires online registration

** See classification

CLASSIFICATION
Class 2
IP20 | 240V

LED

4000K

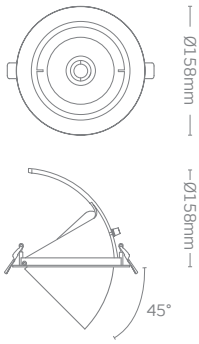
Cool white (4000K) | CRI: Ra (86)

FINISH
White

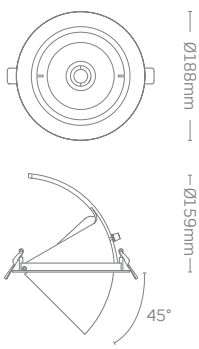
CONSTRUCTION
Body – Aluminium

CUTOUT SIZES
JC47042 - Ø145mm
JC47045 - Ø170mm

JC47042



JC47045



Starscoop Round

High performance commercial LED display light

5 year
Extended warranty*

- 40W provides over 40% energy saving against metal halide
- 45° tiltable and 350° rotatable
- High performance LED chip-on-board (COB)
- 38° beam angle ideal for wall washing in retail and commercial environments
- Stylish multi-faceted reflector provides smooth light distribution
- Zero maintenance, no need to relamp
- Up to 90 LpcW

JC47042

JC47045

CODE	DESCRIPTION	WATT	LUMENS
JC**47042**	Starscoop™ LED circular retail scoop	22W	1600
JC**47045**	Starscoop™ LED circular retail scoop	40W	3940

*Requires online registration.

Starscoop Linear

High performance retail LED display light

5 year
Extended warranty*

- Outperforms traditional 35W CDM
- 100° beam angle for wider light distribution
- 60° tiltable rectangle scoop
- High performance LED chip-on-board (COB), providing up to 94 lpcW
- Lifelong consistent colour temperature and rendering

CLASSIFICATION
Class 2
IP20 | 240V

LED

4000K

4000K | CRI: Ra (75)

FINISH
White

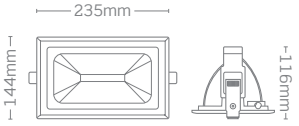
CONSTRUCTION
Body - Aluminium

CUTOUT SIZES
219x134mm

JC47041

CODE	DESCRIPTION	WATT	LUMENS
JC**47041**	Starscoop™ LED rectangular retail scoop	35W	3285

*Requires online registration



CLASSIFICATION
Class 1
IP65 | 240V | Zone 1

LAMP (NOT INCLUDED)
QPAR16 50W GU10

FINISH
Brushed nickel, chrome, white

CONSTRUCTION
Cover - Tempered clear glass
Main body - Mild steel
Front rim - Die-cast aluminium

CUTOUT SIZES
Ø74mm

Mains Downlight

IP65 mains downlight

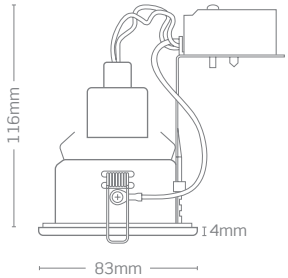
2 year
Product guarantee

IP65
Suitable for bathrooms

LED equivalents
See page 25

- Mains halogen downlight
- IP65 rated downlight, suitable for use in bathrooms
- Lamp not included

JC2107WH



CODE	DESCRIPTION	LAMP
JC**2107**	IP65 mains downlight	QPAR16 50W

*Always use forward heat lamps

Twist & Lock Mains

Twist and lock mains downlight

2 year
Product guarantee

LED equivalents
See pages 25 & 27

- Mains halogen downlights with twist and lock lamp retaining ring for easy lamp replacement
- No transformer required
- Lamp not included

CLASSIFICATION
Class 2
IP20 | 240V

LAMP (NOT INCLUDED)
QPAR16 50W GU10

FINISH
Brushed nickel, chrome, white

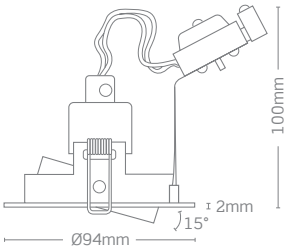
CONSTRUCTION
Body - Die-cast aluminium

CUTOUT SIZES
JC2033 - Ø71mm
JC2034 - Ø83mm

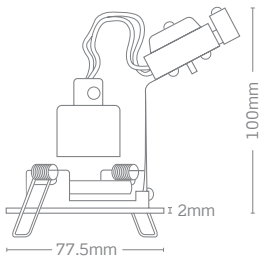
JC2034WH

JC2033BN

JC2034



JC2033



CODE	DESCRIPTION	LAMP
JC**2033**	Twist & Lock downlight	QPAR16 50W
JC**2034**	Twist & Lock 15° tiltable downlight	QPAR16 50W

CLASSIFICATION
Class 2
IP20 | 240V

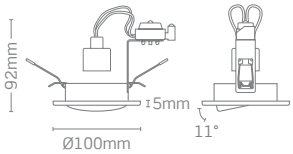
LAMP (NOT INCLUDED)
QPAR16 50W GU10

FINISH
Brushed nickel, chrome, white

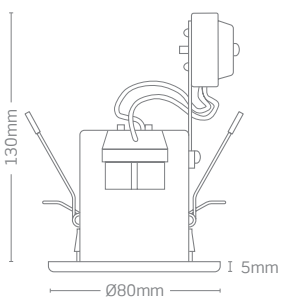
CONSTRUCTION
Body - Pressed steel

CUTOUT SIZES
JC2007 - Ø62mm
JC2009 - Ø85mm

JC2009



JC2007



Standard Halogen

Standard halogen downlight

2 year
Product guarantee

LED equivalents
See pages 25 & 27

- Downlights for 50W halogen lamps, with tiltable versions for spotlighting
- No transformer required
- Lamp not included

JC2009

JC2007

CODE	DESCRIPTION	LAMP
JC**2007**	Standard downlight	QPAR16 50W
JC**2009**	Standard 11° tiltable downlight	QPAR16 50W

Retail Light Box

High output retail spotlights

5 year
Extended warranty*

- Up to 87 lumens per circuit Watt
- No UV, with virtually no radiated heat
- Consistent colour temperature and rendering
- 35,000 hours life to L70
- 38° beam angle
- Multi pivot positioning
- Fitted as standard with GST fast fix connector

JC6600

JC6601

CLASSIFICATION
Class 2
IP20 | 240V

LED

4000K

4000K | CRI: Ra (83)

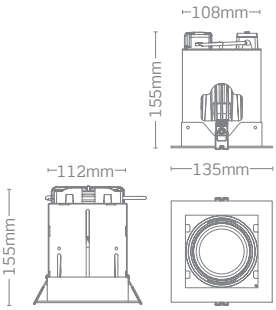
FINISH
White

CONSTRUCTION
Body - Aluminium
Bezel - Aluminium
Reflector - Polycarbonate

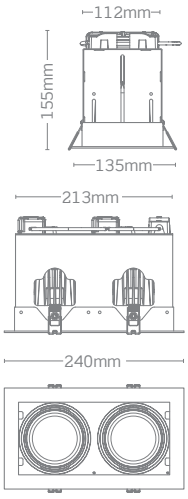
CUTOUT SIZES
JC6600 - 115mm (W) x 115mm (H)
JC6601 - 220mm (W) x 115mm (H)

Minimum void - 200mm

JC6600



JC6601



CODE	DESCRIPTION	WATT	LUMENS
JC**6600**	Retail light box - Single	1x15W	1300
JC**6601****	Retail light box - Double	2x15W	2600

*Requires online registration

**Total Wattage = 30W

Retail Light Box

High output retail spotlights

5 year
Extended warranty*

- Up to 87 lumens per circuit Watt
- No UV, with virtually no radiated heat
- Consistent colour temperature and rendering
- 35,000 hours life to L70
- 38° beam angle
- Multi pivot positioning
- Fitted as standard with GST fast fix connector

CLASSIFICATION
Class 2
IP20 | 240V

LED

4000K

4000K | CRI: Ra (83)

FINISH
White

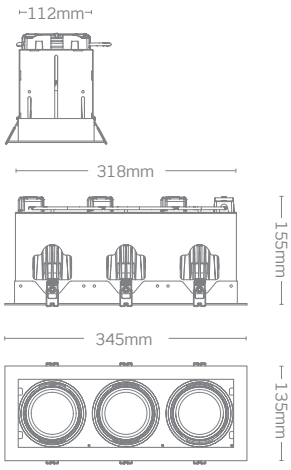
CONSTRUCTION
Body - Aluminium
Bezel - Aluminium
Reflector - Polycarbonate

CUTOUT SIZES
JC6602 - 325mm (W) x 115mm (H)

Minimum void - 200mm

JC6602

JC6602



CODE	DESCRIPTION	WATT	LUMENS
JC**6602****	Retail light box - Triple	3x15W	3970

*Requires online registration

**Total Wattage = 45W

03

LED Panels

JCC® | a LEVITON® company

68
SKYTILE®
SENSE

70
SKYTILE®
28W

71
SKYTILE®
36W

72
SKYTILE®
BASE

73
SKYTILE®
LINEAR

75
SKYTILE®
SURFACE 4000

76
SKYTILE®
SURFACE 5000

77
SKYTILE®
SURFACE 6200

78
SKYTILE®
SURFACE 6600

Introducing

Skytile® Sense

Skytile panel with integrated daylight harvesting or microwave presence detection

Microwave presence detection

Presence detectors ensure that areas are only lit when occupied and are therefore one of the best ways to significantly reduce running costs.

Skytile Sense integrated driver technology uses microwaves to detect presence through the back of the LED panel controlling the LED panel when occupancy is detected.

When presence is no longer detected, the panel will automatically dim down and depending on settings pre-selected by the user; the panel will stay at a low light level or switch off fully.

To ensure sensor technology is integrated seamlessly into the workplace environment, the panels can be wired in banks so that the panels are synchronised with one another.

Variable detection diameter

- Wide and narrow detection area
- Suitable for office and corridor applications

Integrated sensor technology

- Combined LED driver and microwave sensor
- Single point installation, no commissioning required

Microwave presence detection

- Step dimming from 10-50%
- Variable hold time and standby period

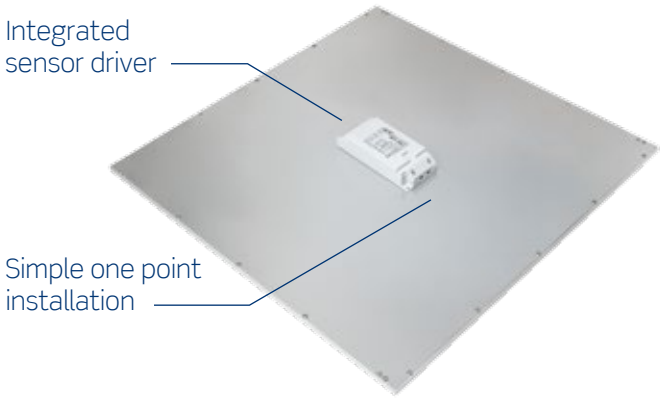
Group wiring

- Fittings wired in synchronised banks
- Seamless workplace integration

Up to

60%

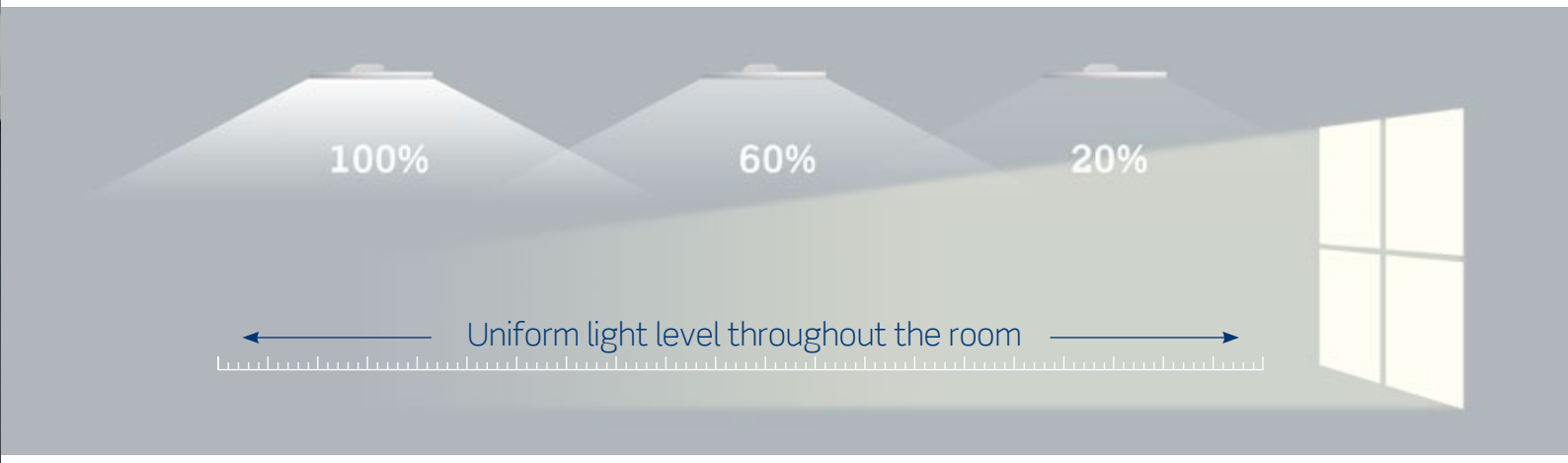
Additional energy saving



Daylight harvesting

Maintaining optimal light level without over lighting the workspace environment is a fantastically simple way of making further energy and cost savings. The integrated light sensor within the Skytile LED driver which sits on the back of each LED panel has been engineered to continuously detect and monitor ambient daylight within the work space environment.

Throughout the day, Skytile will automatically dim and brighten in order to balance LED light with natural light fluctuations through nearby windows, to meet the target LUX level that has been pre-set by the user adjusting the dip switches on the driver.



Target ambient lux levels

- Simple initial dipswitch setup
- Preset levels from 150-500 lux

Responsive dimming

- Intelligently adapts to fluctuations in natural daylight
- Significant reductions in running costs

Integrated driver technology

- Combined driver with photocell
- Automatic daylight sensing through panel face

Single point installation

- Quick and simple point retrofit solution for 4x18W T8
- No need for additional wiring or sensors

CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC71476DH	Skytile Base LED Panel Daylight Harvest	4200K	32W	2800
JC71478DH	Skytile Base LED Panel Daylight Harvest emergency	4200K	32W	2800
JC71276DH	Skytile LED Panel Daylight Harvest	4700K	28W	3000
JC71278DH	Skytile LED Panel Daylight Harvest emergency	4700K	28W	3000
JC71355DH	Skytile LED Panel Daylight Harvest	4000K	28W	3000
JC71356DH	Skytile LED Panel Daylight Harvest emergency	4000K	28W	3000
JC71476PD	Skytile Base LED Panel Presence Detection	4200K	32W	2800
JC71478PD	Skytile Base LED Panel Presence Detection emergency	4200K	32W	2800
JC71276PD	Skytile LED Panel Presence Detection	4700K	28W	3000
JC71278PD	Skytile LED Panel Presence Detection emergency	4700K	28W	3000
JC71355PD	Skytile LED Panel Presence Detection	4000K	28W	3000
JC71356PD	Skytile LED Panel Presence Detection emergency	4000K	28W	3000

UPGRADED PRODUCT

Skytile 28W

High performance 28W LED flat panel

7 year Extended warranty*

Dimmable Options

Emergency Versions available

- Outperforms traditional 4x18W fluorescent
- NEW 7 year extended warranty, with 2 year on site support
- Easy to clean wipeable surface
- Suspension kit and surface mount box available
- White frame option available for 4700K version only
- Available in three colour temperatures, 3000K, 4000K and 4700K
- NEW Daylight harvesting and microwave sensing available. See page 242-245.
- Up to 107 LpcW

JC71276

CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**71351**	Skytile® non-dimmable	3000K	28W	2700
JC**71351DALI**	Skytile® DALI dimmable	3000K	28W	2700
JC**71351DSI**	Skytile® DSI dimmable	3000K	28W	2700
JC**71351/1-10V**	Skytile® 1-10V dimmable	3000K	28W	2700
JC**71355**	Skytile® non-dimmable	4000K	28W	3000
JC**71355DALI**	Skytile® DALI dimmable	4000K	28W	3000
JC**71355DSI**	Skytile® DSI dimmable	4000K	28W	3000
JC**71355/1-10V**	Skytile® 1-10V dimmable	4000K	28W	3000
JC**71276**	Skytile® non-dimmable	4700K	28W	3000
JC**71276DALI**	Skytile® DALI dimmable	4700K	28W	3000
JC**71276DSI**	Skytile® DSI dimmable	4700K	28W	3000
JC**71276/1-10V**	Skytile® 1-10V dimmable	4700K	28W	3000
JC**71352**	Skytile® non-dimmable emergency	3000K	28W	2700
JC**71352DALI**	Skytile® DALI dimmable emergency	3000K	28W	2700
JC**71352DSI**	Skytile® DSI dimmable emergency	3000K	28W	2700
JC**71352/1-10V**	Skytile® 1-10V dimmable emergency	3000K	28W	2700
JC**71356**	Skytile® non-dimmable emergency	4000K	28W	3000
JC**71356DALI**	Skytile® DALI dimmable emergency	4000K	28W	3000
JC**71356DSI**	Skytile® DSI dimmable emergency	4000K	28W	3000
JC**71356/1-10V**	Skytile® 1-10V dimmable emergency	4000K	28W	3000
JC**71278**	Skytile® non-dimmable emergency	4700K	28W	3000
JC**71278DALI**	Skytile® DALI dimmable emergency	4700K	28W	3000
JC**71278DSI**	Skytile® DSI dimmable emergency	4700K	28W	3000
JC**71278/1-10V**	Skytile® 1-10V dimmable emergency	4700K	28W	3000
JC**71311**	Suspension Kit (inc. bracket)	-	-	-
JC**71262**	Surface mounting box	-	-	-

*Requires online registration

CLASSIFICATION

Class 2 (Driver)
Class 3 (Panel)
Class 1 (Emergency remote pack)
IP44 | 240V

LED

3000K | CRI: Ra (80)
4000K | CRI: Ra (80)
4700K | CRI: Ra (80)

FINISH

Silver, white

(White frame available for 4700K options only, please add a WH suffix)
JC71262 surface mounting box - white

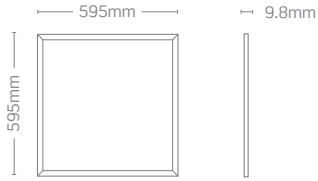
CONSTRUCTION

Body - Extruded aluminium frame
Diffuser - Opal polycarbonate

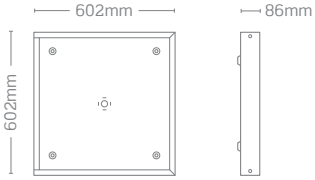
JC71262 surface mounting box - mild steel

WHITE FRAME (4700K ONLY)

SKYTILE®



JC71262 - SURFACE MOUNTING BOX



UPGRADED PRODUCT

Skytile 36W

High performance 36W LED flat panel

7 year Extended warranty*

Dimmable Options

Emergency Versions available

- Outperforms traditional 4x18W fluorescent
- NEW 7 year extended warranty, with 2 year on site support
- For use in higher ceilings
- Greater light output
- Easy to clean wipeable surface
- Suspension kit and surface mount box available
- Ideal for retail & display areas
- Available in three colour temperatures, 3000K, 4000K and 4700K
- NEW Daylight harvesting and microwave sensing available. See page 242-245.
- Up to 106 LpcW

JC71277

CLASSIFICATION

Class 2 (Driver)
Class 3 (Panel)
Class 1 (Emergency remote pack)
IP44 | 240V

LED

3000K | CRI: Ra (80)
4700K | CRI: Ra (80)

FINISH

Silver

JC71262 surface mounting box - white

CONSTRUCTION

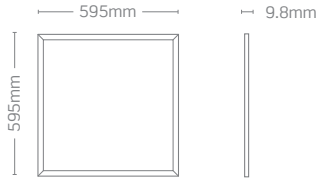
Body - Extruded aluminium frame
Diffuser - Opal polycarbonate

JC71262 surface mounting box - mild steel

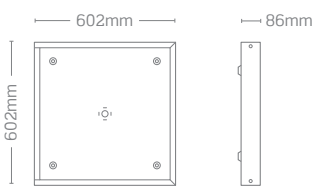
CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**71353**	Skytile® non-dimmable	3000K	36W	3500
JC**71353DALI**	Skytile® DALI dimmable	3000K	36W	3500
JC**71353DSI**	Skytile® DSI dimmable	3000K	36W	3500
JC**71353/1-10V**	Skytile® 1-10V dimmable	3000K	36W	3500
JC**71357**	Skytile® non-dimmable	4000K	36W	3800
JC**71357DALI**	Skytile® DALI dimmable	4000K	36W	3800
JC**71357DSI**	Skytile® DSI dimmable	4000K	36W	3800
JC**71357/1-10V**	Skytile® 1-10V dimmable	4000K	36W	3800
JC**71277**	Skytile® non-dimmable	4700K	36W	3800
JC**71277DALI**	Skytile® DALI dimmable	4700K	36W	3800
JC**71277DSI**	Skytile® DSI dimmable	4700K	36W	3800
JC**71277/1-10V**	Skytile® 1-10V dimmable	4700K	36W	3800
JC**71354**	Skytile® non-dimmable emergency	3000K	36W	3500
JC**71354DALI**	Skytile® DALI dimmable emergency	3000K	36W	3500
JC**71354DSI**	Skytile® DSI dimmable emergency	3000K	36W	3500
JC**71354/1-10V**	Skytile® 1-10V dimmable emergency	3000K	36W	3500
JC**71358**	Skytile® non-dimmable emergency	4000K	36W	3800
JC**71358DALI**	Skytile® DALI dimmable emergency	4000K	36W	3800
JC**71358DSI**	Skytile® DSI dimmable emergency	4000K	36W	3800
JC**71358/1-10V**	Skytile® 1-10V dimmable emergency	4000K	36W	3800
JC**71279**	Skytile® non-dimmable emergency	4700K	36W	3800
JC**71279DALI**	Skytile® DALI dimmable emergency	4700K	36W	3800
JC**71279DSI**	Skytile® DSI dimmable emergency	4700K	36W	3800
JC**71279/1-10V**	Skytile® 1-10V dimmable emergency	4700K	36W	3800
JC**71311**	Suspension Kit (inc. bracket)	-	-	-
JC**71262**	Surface mounting box	-	-	-

*Requires online registration

SKYTILE®



JC71262 - SURFACE MOUNTING BOX



NEW PRODUCT

Skytile Base

Direct fluorescent replacement

3 year
Extended warranty*

Emergency
Version available

- 32W LED flat panel
- 4200K colour temperature
- 88 lumens per circuit watt
- IP20 protection
- NEW Daylight harvesting and microwave sensing available. See page 242-245.

JC71476

CLASSIFICATION
Class 2 (Driver)
Class 3 (Panel)
Class 1 (Emergency remote pack)
IP20 | 240V

LED

4200K

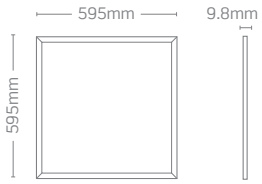
4200K | CRI: Ra (80)

FINISH
White

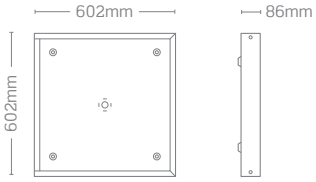
JC71262 surface mounting box - white

CONSTRUCTION
Body - Extruded aluminium frame
Diffuser - Opal polycarbonate

SKYTILE®



JC71262 - SURFACE MOUNTING BOX



CODE	DESCRIPTION	WATT	LUMENS
JC**71476**	Skytile® Base	32W	2800
JC**71478**	Skytile® Base emergency	32W	2800
JC**71311**	Suspension Kit (inc. bracket)	-	-
JC**71262**	Surface mounting box	-	-

*Requires online registration

UPGRADED PRODUCT

Skytile Linear

High performance linear LED flat panels

7 year
Extended warranty*

Dimmable
Options (to order only)

Emergency
Versions available

- High performance 36W and 44W recessed LED flat panels
- NEW 7 year extended warranty, with 2 year on site support
- 100 lumens per circuit watt
- Quick and easy installation
- Even light distribution on walls and ceilings
- Easy to clean wipeable surface

CLASSIFICATION
Class 2 (Driver)
Class 3 (Panel)
Class 1 (Emergency remote pack)
IP44 | 240V

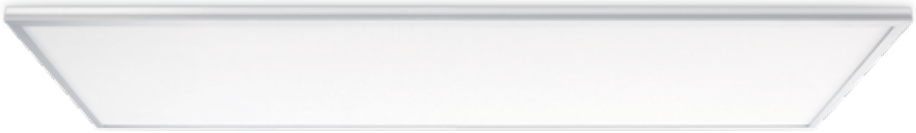
LED
4700K

4700K | CRI: Ra (80)

FINISH
Silver

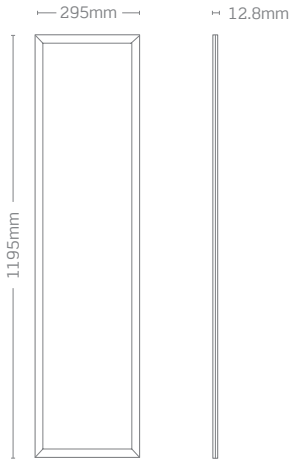
CONSTRUCTION
Body - Extruded aluminium frame
Diffuser - Opal polycarbonate

JC71361

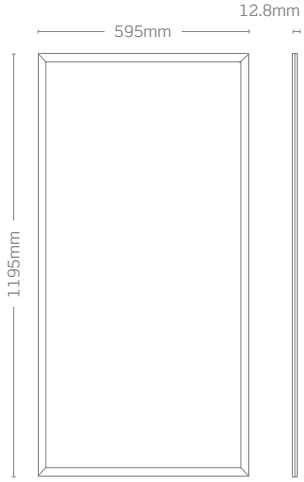


JC71359

SKYTILE® LINEAR 1200X300



SKYTILE® LINEAR 1200X600



CODE	DESCRIPTION	WATT	LUMENS
JC**71361**	Skytile® Linear 1200x600 LED flat panel	44W	4400
JC**71362**	Skytile® Linear 1200x600 LED flat panel emergency	44W	4400
JC**71359**	Skytile® Linear 1200x300 LED flat panel	36W	3600
JC**71360**	Skytile® Linear 1200x300 LED flat panel emergency	36W	3600
JC**71295**	Skytile® Linear 1200x600 LED flat panel surface mounting tray	-	-
JC**71299**	Skytile® Linear 1200x300 LED flat panel surface mounting tray	-	-
JC**71312**	Skytile® Linear 1200x600 LED flat panel suspension kit	-	-
JC**71311**	Skytile® Linear 1200x300 LED flat panel suspension kit	-	-

*Requires online registration

Skytile® Surface

Surface mounted direct fluorescent replacements

UP TO
82 LPCW
LUMENS PER CIRCUIT WATT

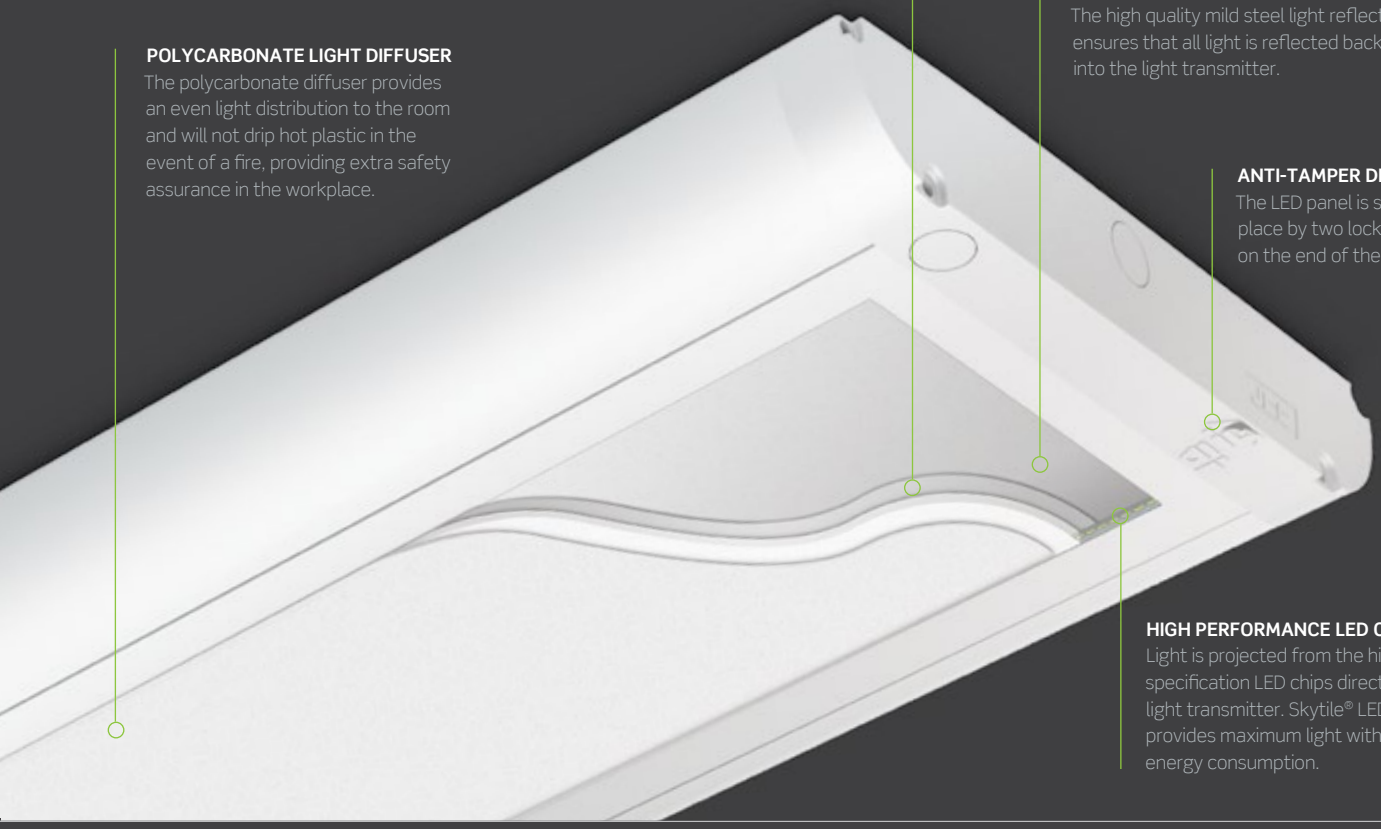
UP TO
6600
LUMENS

INNOVATIVE LIGHT TRANSMITTER
The surface properties of the light transmitter ensure light moves evenly throughout the fitting. The light pixels covered base directs all the light into the polycarbonate diffuser.

LIGHT REFLECTOR
The high quality mild steel light reflector ensures that all light is reflected back into the light transmitter.

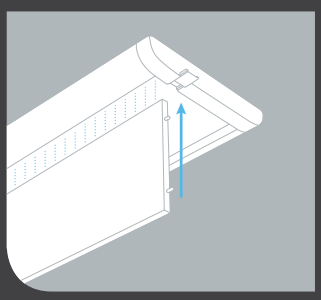
POLYCARBONATE LIGHT DIFFUSER
The polycarbonate diffuser provides an even light distribution to the room and will not drip hot plastic in the event of a fire, providing extra safety assurance in the workplace.

ANTI-TAMPER DESIGN
The LED panel is secured into place by two locking clips on the end of the fitting.

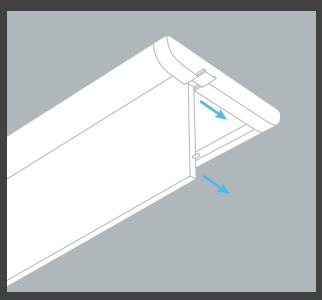


HIGH PERFORMANCE LED CHIPS
Light is projected from the high specification LED chips directly into the light transmitter. Skytile® LED technology provides maximum light with minimum energy consumption.

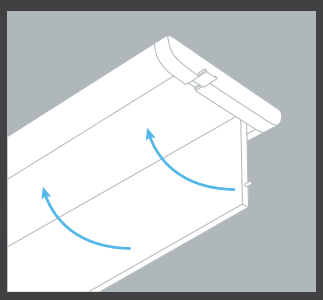
Designed for quick and easy installation



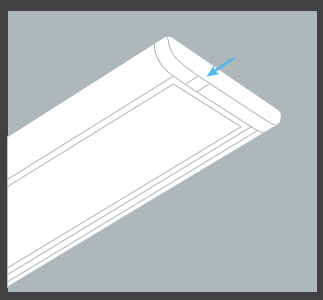
1. The LED panel is placed into the base.



2. The LED panel is then moved across the base on the internal runners.



3. The LED panel is then pushed back up into the base.



4. The LED panel is secured from both sides with sliding clips.

Skytile Surface 4000

Direct 2x36W T8 replacement

5 year
Extended warranty*

Dimmable
Options

Emergency
Versions available

Microwave
Sensor available

- Outperforms traditional 2x36W fluorescent
- Up to 40% energy saving against fluorescent
- Secure anti-tamper design
- Highly efficient, providing 82 lpcW
- Shallow design, ideal for lower mounting heights
- Near daylight 4700K colour temperature enhances the working environment
- Easy to clean wipeable surface
- Microwave emergency/dimmable variants available (to order only)
- 4000K fitting available

CLASSIFICATION
Class 1
IP20 | 240V

LED
4000K | CRI: Ra (80)
4700K | CRI: Ra (80)

FINISH
White

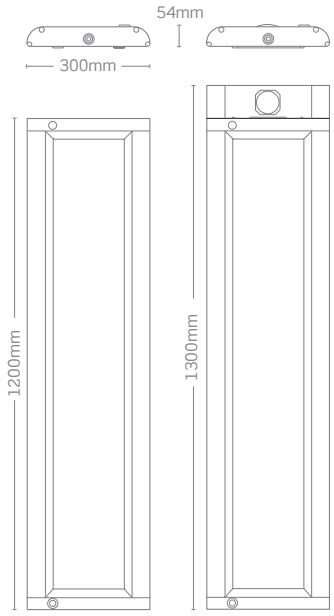
CONSTRUCTION
Body - Extruded aluminium frame
Diffuser - Polycarbonate
Mounting - Pressed Steel

PATENT
GB2515308

JC71301

4ft (1200mm)

MICROWAVE SENSOR END CAP



CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**71315**	Skytile® Surface 4000	4000K	49W	4000
JC**71301**	Skytile® Surface 4000	4700K	49W	4000
JC**71301/1-10V**	Skytile® Surface 4000 1-10V dimmable	4700K	49W	4000
JC**71301DALI**	Skytile® Surface 4000 DALI dimmable	4700K	49W	4000
JC**71301DSI**	Skytile® Surface 4000 DSI dimmable	4700K	49W	4000
JC**71318**	Skytile® Surface 4000 emergency	4000K	49W	4000
JC**71304**	Skytile® Surface 4000 emergency	4700K	49W	4000
JC**71304/1-10V**	Skytile® Surface 4000 1-10V dimmable emergency	4700K	49W	4000
JC**71304DALI**	Skytile® Surface 4000 DALI dimmable emergency	4700K	49W	4000
JC**71304DSI**	Skytile® Surface 4000 DSI dimmable emergency	4700K	49W	4000
JC**71307**	Skytile® Surface 4000 c/w microwave sensor	4700K	49W	4000
JC**71307SD**	Skytile® Surface 4000 c/w microwave dimming	4700K	49W	4000
JC**71311**	Suspension Kit (inc. bracket)	-	-	-

*Requires online registration

Skytile Surface 5000

The direct 2x58W T8 replacement

5 year
Extended warranty*

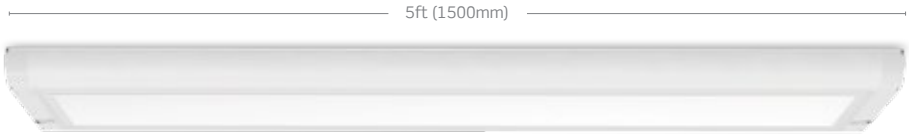
Dimmable
Options

Emergency
Versions available

Microwave
Sensor available

- Outperforms traditional 2x58W fluorescent
- Up to 40% energy saving against fluorescent
- Secure anti-tamper design
- Highly efficient, providing 82 lpcW
- Shallow design, ideal for lower mounting heights
- Near daylight 4700K colour temperature enhances the working environment
- Easy to clean wipeable surface
- Microwave emergency/dimmable variants available (to order only)
- 4000K fitting available

JC71302



CLASSIFICATION
Class 1
IP20 | 240V

LED

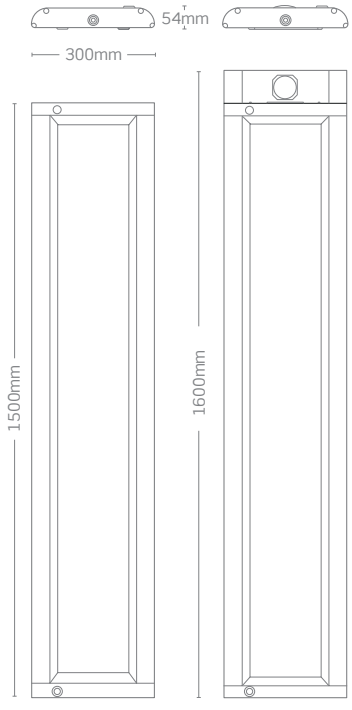
4000K | CRI: Ra (80)
4700K | CRI: Ra (80)

FINISH
White

CONSTRUCTION
Body - Extruded aluminium frame
Diffuser - Polycarbonate
Mounting - Pressed Steel

PATENT
GB2515308

MICROWAVE SENSOR END CAP



CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**71316**	Skytile® Surface 5000	4000K	61W	5000
JC**71302**	Skytile® Surface 5000	4700K	61W	5000
JC**71302DALI**	Skytile® Surface 5000 DALI dimmable	4700K	61W	5000
JC**71302DSI**	Skytile® Surface 5000 DSI dimmable	4700K	61W	5000
JC**71319**	Skytile® Surface 5000 emergency	4000K	61W	5000
JC**71305**	Skytile® Surface 5000 emergency	4700K	61W	5000
JC**71305DALI**	Skytile® Surface 5000 DALI dimmable emergency	4700K	61W	5000
JC**71305DSI**	Skytile® Surface 5000 DSI dimmable emergency	4700K	61W	5000
JC**71308**	Skytile® Surface 5000 c/w microwave sensor	4700K	61W	5000
JC**71308SD**	Skytile® Surface 5000 c/w microwave dimming	4700K	61W	5000
JC**71311**	Suspension Kit (inc. bracket)	-	-	-

*Requires online registration

Skytile Surface 6200

The direct 2x70W T8 replacement

5 year
Extended warranty*

Emergency
Versions available

Microwave
Sensor available

- Outperforms traditional 2x70W fluorescent
- Up to 40% energy saving against fluorescent
- Secure anti-tamper design
- Highly efficient, providing 78 lpcW
- Near daylight 4700K colour temperature enhances the working environment
- Easy to clean wipeable surface
- 4000K fitting available

CLASSIFICATION
Class 1
IP20 | 240V

LED

4000K | CRI: Ra (80)
4700K | CRI: Ra (80)

FINISH
White

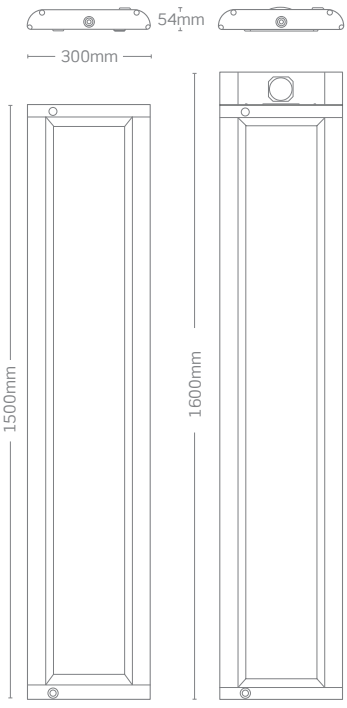
CONSTRUCTION
Body - Extruded aluminium frame
Diffuser - Polycarbonate
Mounting - Pressed Steel

PATENT
GB2515308

JC71303

5ft (1500mm)

MICROWAVE SENSOR END CAP



CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**71317**	Skytile® Surface 6200	4000K	80W	6200
JC**71303**	Skytile® Surface 6200	4700K	80W	6200
JC**71320**	Skytile® Surface 6200 emergency	4000K	80W	6200
JC**71306**	Skytile® Surface 6200 emergency	4700K	80W	6200
JC**71309**	Skytile® Surface 6200 c/w microwave sensor	4700K	80W	6200
JC**71311**	Suspension Kit (inc. bracket)	-	-	-

*Requires online registration

Skytile Surface 6600

The direct 2x80W T5 replacement

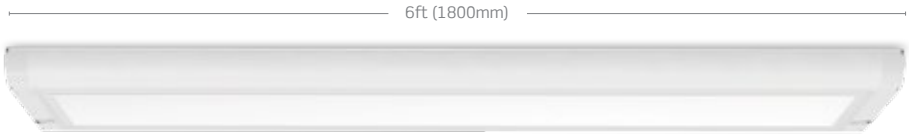
5 year
Extended warranty*

Emergency
Version available

Microwave
Sensor available

- Outperforms traditional 2x80W fluorescent
- Up to 40% energy saving against fluorescent
- Secure anti-tamper design
- Highly efficient, providing 66 lpcW
- Shallow design, ideal for lower mounting heights
- Near daylight 4700K colour temperature enhances the working environment
- Easy to clean wipeable surface
- Microwave emergency/dimmable variants available (to order only)

JC71321



CLASSIFICATION
Class 1
IP20 | 240V

LED

4700K

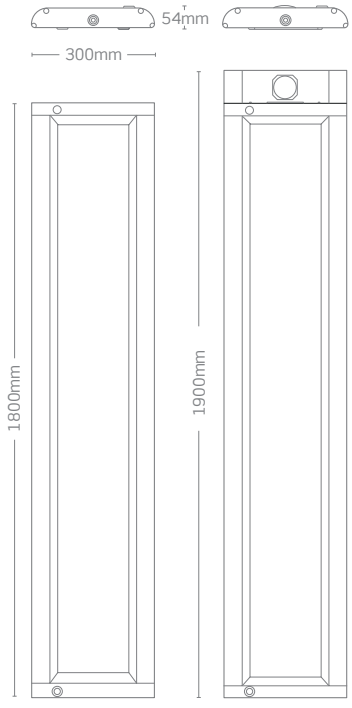
4700K | CRI: Ra (80)

FINISH
White

CONSTRUCTION
Body - Extruded aluminium frame
Diffuser - Polycarbonate
Mounting - Pressed Steel

PATENT
GB2515308

MICROWAVE SENSOR END CAP



CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**71321**	Skytile® Surface 6600	4700K	100W	6600
JC**71322**	Skytile® Surface 6600 emergency	4700K	100W	6600
JC**71323**	Skytile® Surface 6600 c/w microwave sensor	4700K	100W	6600
JC**71311**	Suspension Kit (inc. bracket)	-	-	-

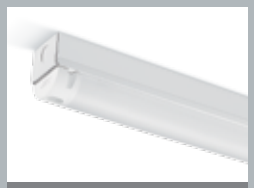
*Requires online registration

Ellanos
Ellanos

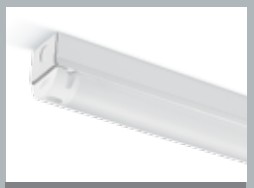
04

Commercial Linear LED

JCC® | a LEVITON® company

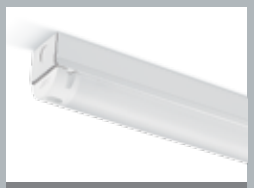


83
SKYPACK™
4FT



84
SKYPACK™
5FT

87
SKYPACK™
PLUS 4FT



88
SKYPACK™
PLUS 5FT

89
SKYPACK™
PLUS 6FT

91
TOUGHLED™
5FT

92
TOUGHLED™
6FT

94
TOUGHLED™
ECO 4FT

95
TOUGHLED™
ECO 5FT

96
OXFORD

Skypack™

High performance LED batten

UP TO
129 LPCW
LUMENS PER CIRCUIT WATT

UP TO
7,300
LUMENS

EXTENDED
10 YEAR
WARRANTY

PRESSED ALUMINIUM CONSTRUCTION
Skypack® is lightweight and easy to handle Providing maximum strength and durability.

IMPACT RESISTANT DIFFUSER
The polycarbonate diffuser, eliminates the risk of shattering lamps.

CAPTIVE SCREW
Captive screw firmly secures the LED tray to the base for security.

END CAP
Discretely covers the captive screw for a seamless finish

DESIGNED FOR PERFECT LIGHT UNIFORMITY
The position of the LED chips within Skypack® have been specifically designed to ensure that their 120° beam angle adequately merges and eliminates the dark striping that can often be seen on poorer quality LED battens.

Unique slide & lock design for ultra fast installation

Skypack® features a unique slide and lock mechanism, a plug and play DC connector and press fit termination for quick and easy installation compared to traditional fluorescent and other LED battens. This ensures installation time is minimised and downtime reduced.

1

Remove the LED tray from the base using the slide and lock mechanism and fix the base to the ceiling.

2

Reattach the tray to the base by aligning the hinge holes. Allow the LED tray to hang and reconnect the plug and play DC connector.

3

Rotate the LED tray back up into position, slide into place and secure using the captive screw.

CLASSIFICATION
Class 1
IP20 | 240V

LED

4000K

4000K | CRI: Ra (80)

CONSTRUCTION
Body - Mild steel
Diffuser - Polycarbonate

MICROWAVE ON/OFF SENSOR

IN-LINE CONTINUOUS CONNECTOR

Skypack™ 4ft

Direct 36W T8 fluorescent replacement

10 year
Extended warranty*

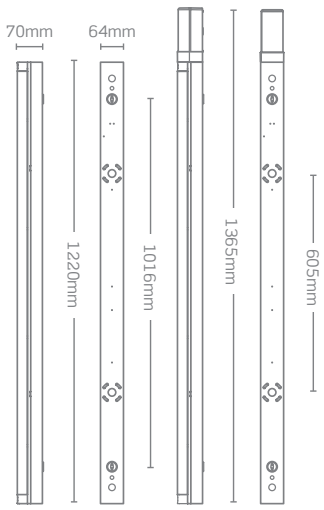
Emergency
Versions available

Microwave
Sensing available

- Ultra efficient, up to 129 lumens per circuit Watt
- 50% energy saving
- Retrofit point for point conduit entry
- Hinged LED tray for simple installation
- Smooth, even light distribution, no visible hotspots
- Contemporary design, suitable for domestic, commercial and industrial applications
- Press-fit termination

JC71701

STANDARD **MW ON/OFF**



CODE	DESCRIPTION	WATT	LUMENS	LPCW
JC**71701**	Skypack™ 4ft Single	20W	2500	124
JC**71701EM**	Skypack™ 4ft Single emergency	20W	2500	124
JC**71701MW**	Skypack™ 4ft Single microwave on/off	20W	2500	124
JC**71701MWEM**	Skypack™ 4ft Single microwave on/off emergency	20W	2500	124
JC**71703**	Skypack™ 4ft Twin	40W	5100	129
JC**71703EM**	Skypack™ 4ft Twin emergency	40W	5100	129
JC**71703MW**	Skypack™ 4ft Twin microwave on/off	40W	5100	129
JC**71703MWEM**	Skypack™ 4ft Twin microwave on/off emergency	40W	5100	129
JC**71730**	Skypack™ in-line continuous connector	-	-	-

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

Skypack 5ft

Direct 58W T8 fluorescent replacement

10 year
Extended warranty*

Emergency
Versions available

Microwave
Sensing available

- Ultra efficient, up to 124 lumens per circuit Watt
- 50% energy saving
- Retrofit point for point conduit entry
- Hinged LED tray for simple installation
- Smooth, even light distribution, no visible hotspots
- Contemporary design, suitable for domestic, commercial and industrial applications
- Press-fit termination

JC71705

CLASSIFICATION
Class 1
IP20 | 240V

LED

4000K

4000K | CRI: Ra (80)

CONSTRUCTION
Body - Mild steel
Diffuser - Polycarbonate

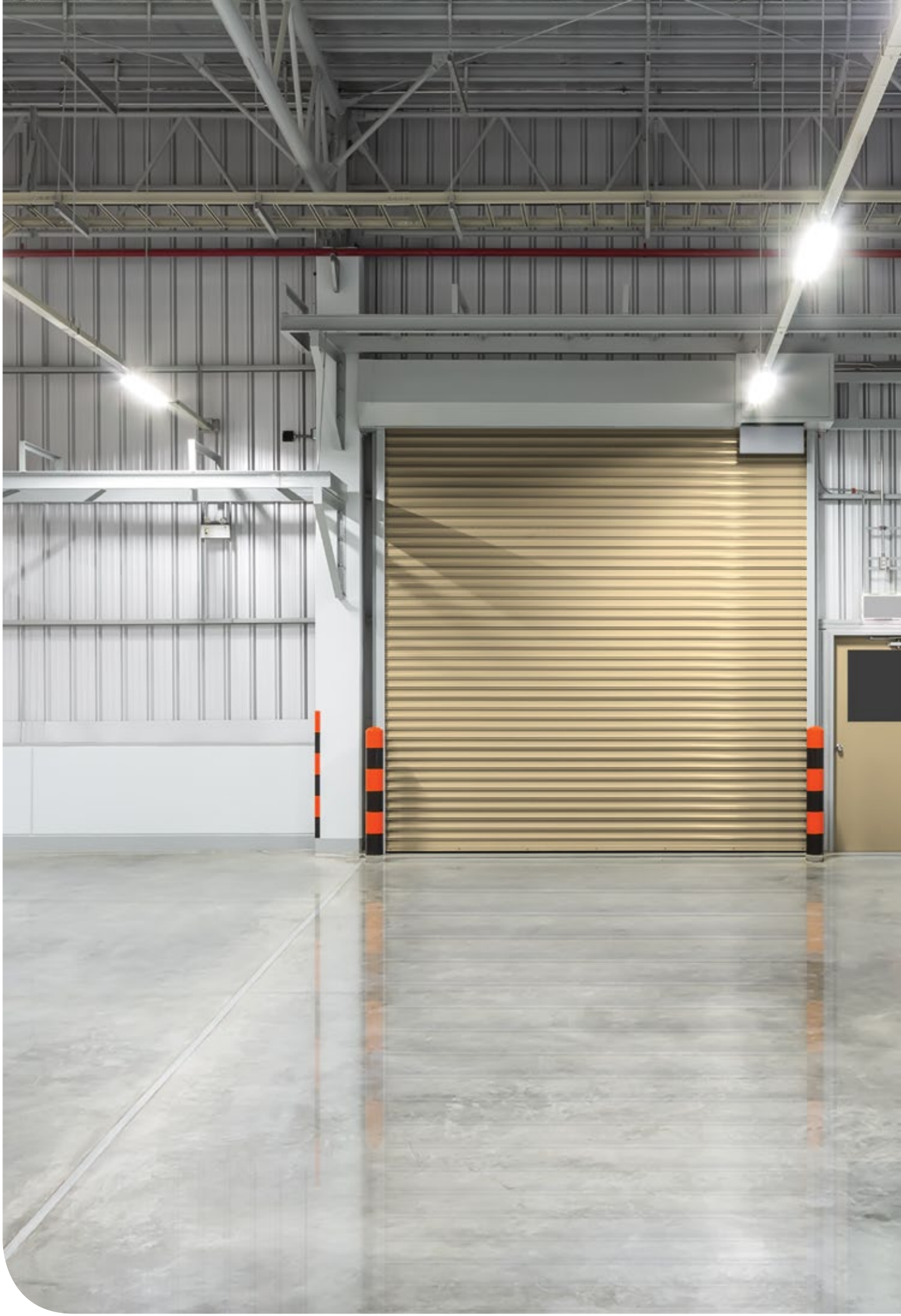
MICROWAVE ON/OFF SENSOR

IN-LINE CONTINUOUS CONNECTOR

CODE	DESCRIPTION	WATT	LUMENS	LPCW
JC**71705**	Skypack™ 5ft Single	30W	3700	124
JC**71705EM**	Skypack™ 5ft Single emergency	30W	3700	124
JC**71705MW**	Skypack™ 5ft Single microwave on/off	30W	3700	124
JC**71705MWEM**	Skypack™ 5ft Single microwave on/off emergency	30W	3700	124
JC**71707**	Skypack™ 5ft Twin	60W	7300	122
JC**71707EM**	Skypack™ 5ft Twin emergency	60W	7300	122
JC**71707MW**	Skypack™ 5ft Twin microwave on/off	60W	7300	122
JC**71707MWEM**	Skypack™ 5ft Twin microwave on/off emergency	60W	7300	122
JC**71730**	Skypack™ in-line continuous connector	-	-	-

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

STANDARD **MW ON/OFF**



Skypack™ Plus

Ultra high output LED batten

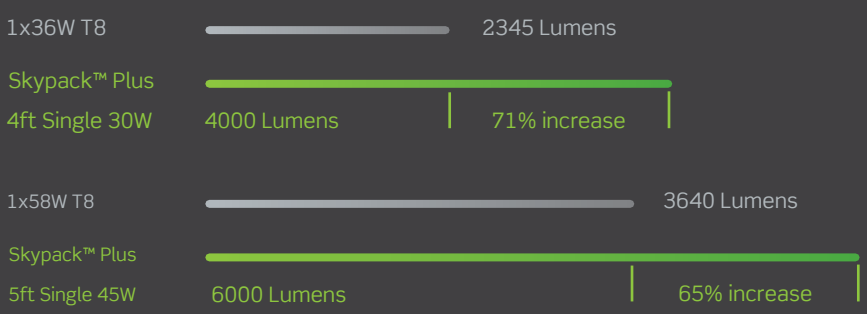
UP TO
138 LPCW
LUMENS PER CIRCUIT WATT

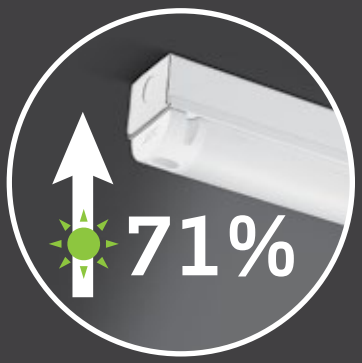
UP TO
10,800
LUMENS

EXTENDED
10 YEAR
WARRANTY

Up to 71% greater light output than T8 fluorescent

Skypack™ Plus has been engineered to exceed traditional fluorescent light output and is ideal for areas requiring greater light output such as higher ceilings, retail and production applications.





CLASSIFICATION
Class 1
IP20 | 240V

LED

4000K

4000K | CRI: Ra (80)

CONSTRUCTION
Body - Mild steel
Diffuser - Polycarbonate

MICROWAVE ON/OFF SENSOR

IN-LINE CONTINUOUS CONNECTOR

Skypack™ Plus 4ft

Outperforms traditional 36W T8 fluorescent

10 year
Extended warranty*

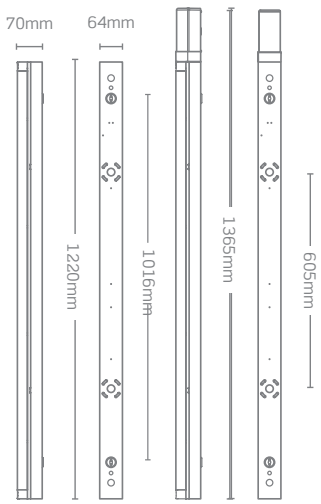
Emergency
Versions available

Microwave
Sensing available

- Ultra efficient, up to 138 lumens per circuit Watt
- Up to 41% greater light output than traditional 36W T8
- Retrofit point for point conduit entry
- Hinged LED tray for simple installation
- Smooth, even light distribution, no visible hotspots
- Suitable for applications which require higher lux levels
- Press-fit termination

JC71702

STANDARD **MW ON/OFF**



CODE	DESCRIPTION	WATT	LUMENS	LPCW
JC**71702**	Skypack™ Plus 4ft Single	30W	4000	132
JC**71702EM**	Skypack™ Plus 4ft Single emergency	30W	4000	132
JC**71702MW**	Skypack™ Plus 4ft Single microwave on/off	30W	4000	132
JC**71702MWEM**	Skypack™ Plus 4ft Single microwave on/off emergency	30W	4000	132
JC**71704**	Skypack™ Plus 4ft Twin	55W	7600	138
JC**71704EM**	Skypack™ Plus 4ft Twin emergency	55W	7600	138
JC**71704MW**	Skypack™ Plus 4ft Twin microwave on/off	55W	7600	138
JC**71704MWEM**	Skypack™ Plus 4ft Twin microwave on/off emergency	55W	7600	138
JC**71730**	Skypack™ in-line continuous connector	-	-	-

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

Skypack Plus 5ft

Outperforms traditional 58W T8 fluorescent

10 year
Extended warranty*

Emergency
Versions available

Microwave
Sensing available

- Ultra efficient, up to 133 lumens per circuit Watt
- Up to 41% greater light output than traditional 58W T8
- Retrofit point for point conduit entry
- Hinged LED tray for simple installation
- Smooth, even light distribution, no visible hotspots
- Suitable for applications which require higher lux levels
- Press-fit termination

JC71706

CLASSIFICATION
Class 1
IP20 | 240V

LED

4000K

4000K | CRI: Ra (80)

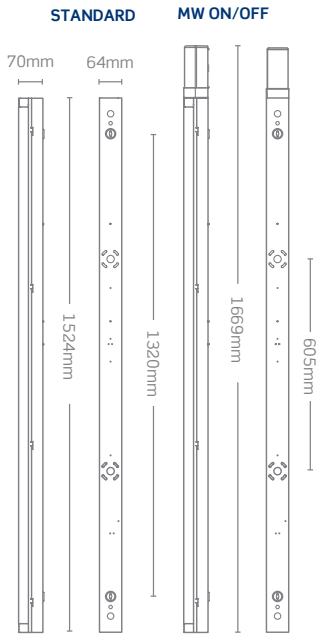
CONSTRUCTION
Body - Mild steel
Diffuser - Polycarbonate

MICROWAVE ON/OFF SENSOR

IN-LINE CONTINUOUS CONNECTOR

CODE	DESCRIPTION	WATT	LUMENS	LPCW
JC**71706**	Skypack™ Plus 5ft Single	45W	6000	132
JC**71706EM**	Skypack™ Plus 5ft Single emergency	45W	6000	132
JC**71706MW**	Skypack™ Plus 5ft Single microwave on/off	45W	6000	132
JC**71706MWEM**	Skypack™ Plus 5ft Single microwave on/off emergency	45W	6000	132
JC**71708**	Skypack™ Plus 5ft Twin	75W	10000	133
JC**71708EM**	Skypack™ Plus 5ft Twin emergency	75W	10000	133
JC**71708MW**	Skypack™ Plus 5ft Twin microwave on/off	75W	10000	133
JC**71708MWEM**	Skypack™ Plus 5ft Twin microwave on/off emergency	75W	10000	133
JC**71730**	Skypack™ in-line continuous connector	-	-	-

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.



CLASSIFICATION
Class 1
IP20 | 240V

LED

4000K

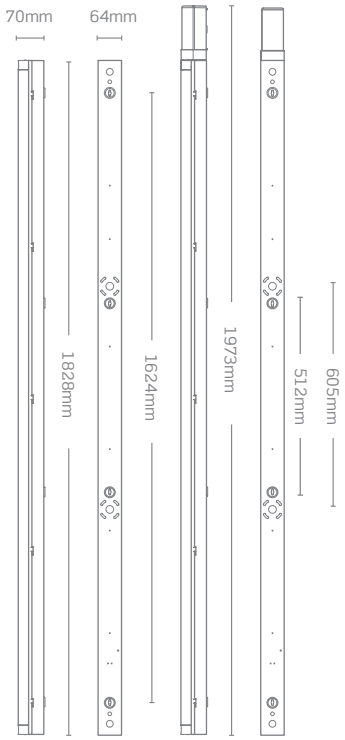
4000K | CRI: Ra (80)

CONSTRUCTION
Body - Mild steel
Diffuser - Polycarbonate

MICROWAVE ON/OFF SENSOR

IN-LINE CONTINUOUS CONNECTOR

STANDARD **MW ON/OFF**



Skypack™ Plus 6ft

Outperforms traditional 70W T8 fluorescent

10 year
Extended warranty*

Emergency
Versions available

Microwave
Sensing available

- Ultra efficient 120 lumens per circuit Watt
- Up to 41% greater light output than traditional 70W T8
- Retrofit point for point conduit entry
- Hinged LED tray for simple installation
- Smooth, even light distribution, no visible hotspots
- Suitable for applications which require higher lux levels
- Press-fit termination

JC71709

CODE	DESCRIPTION	WATT	LUMENS	LPCW
JC**71709**	Skypack™ Plus 6ft Single	53W	6400	120
JC**71709EM**	Skypack™ Plus 6ft Single emergency	53W	6400	120
JC**71709MW**	Skypack™ Plus 6ft Single microwave on/off	53W	6400	120
JC**71709MWEM**	Skypack™ Plus 6ft Single microwave on/off emergency	53W	6400	120
JC**71710**	Skypack™ Plus 6ft Twin	90W	10800	120
JC**71710EM**	Skypack™ Plus 6ft Twin emergency	90W	10800	120
JC**71710MW**	Skypack™ Plus 6ft Twin microwave on/off	90W	10800	120
JC**71710MWEM**	Skypack™ Plus 6ft Twin microwave on/off emergency	90W	10800	120
JC**71730**	Skypack™ in-line continuous connector	-	-	-

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

ToughLED™

Up to 30% greater light output against linear fluorescent

UP TO
92 LPCW
LUMENS PER CIRCUIT WATT

UP TO
10,800
LUMENS

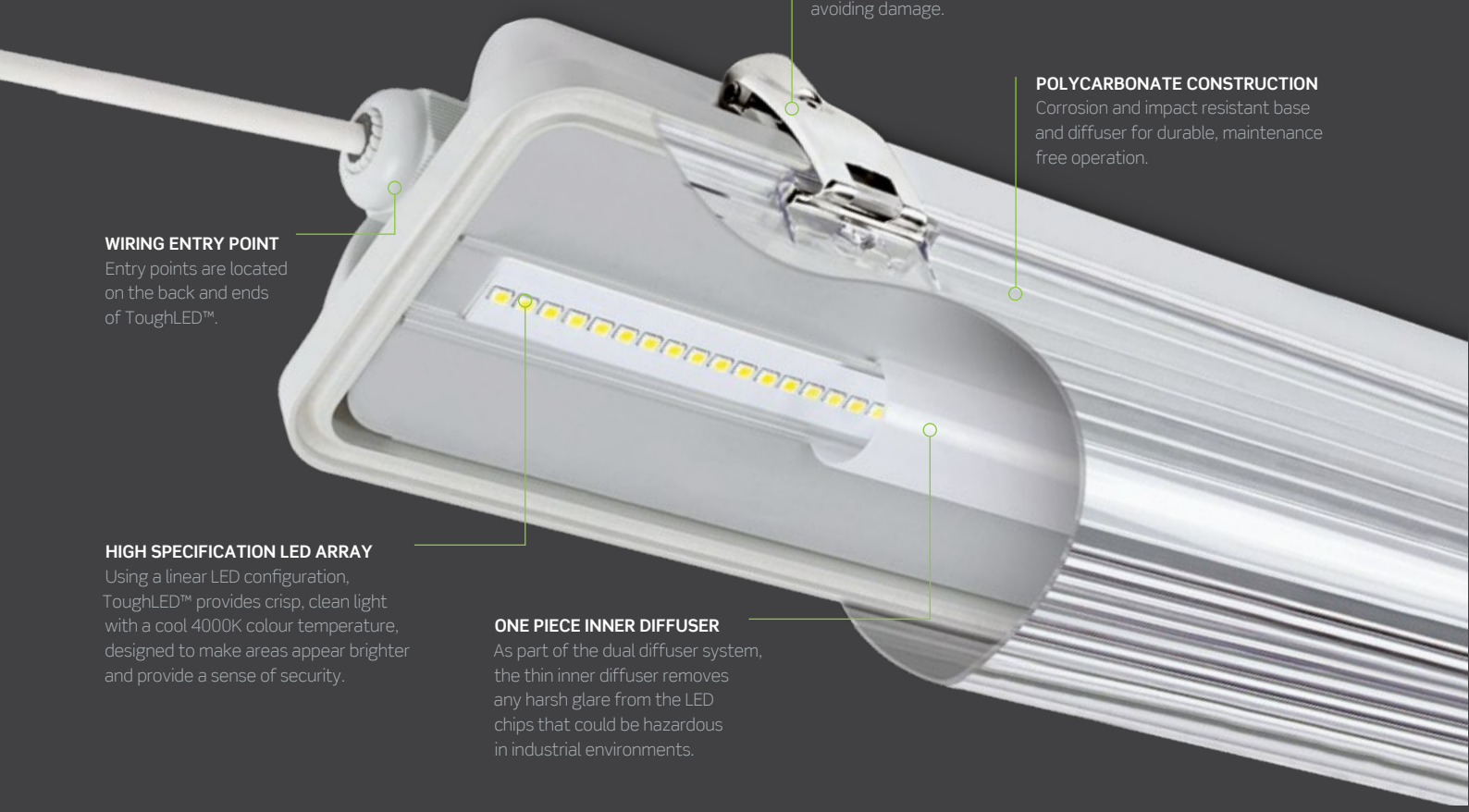
EXTENDED
5 YEAR
WARRANTY

High quality construction

STAINLESS STEEL ANTI-TAMPER CLIPS
Stainless steel clips ensure that the diffuser remains connected during installation, avoiding damage.

POLYCARBONATE CONSTRUCTION
Corrosion and impact resistant base and diffuser for durable, maintenance free operation.

WIRING ENTRY POINT
Entry points are located on the back and ends of ToughLED™.

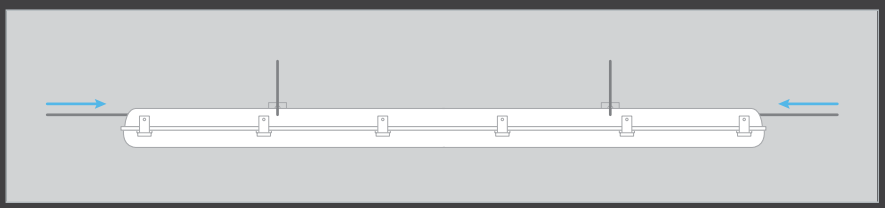


HIGH SPECIFICATION LED ARRAY
Using a linear LED configuration, ToughLED™ provides crisp, clean light with a cool 4000K colour temperature, designed to make areas appear brighter and provide a sense of security.

ONE PIECE INNER DIFFUSER
As part of the dual diffuser system, the thin inner diffuser removes any harsh glare from the LED chips that could be hazardous in industrial environments.

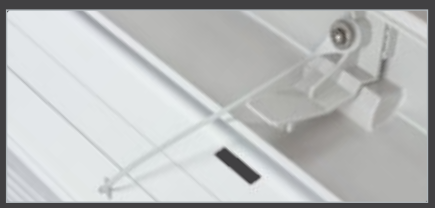
Multiple wiring options

Conduit entry at both ends, provides three connection points allowing for various installation options.



Unique strap

The unique strap connects the back to the body, ensuring easy installation.



CLASSIFICATION
Class 2 (Standard/Microwave/1-10V)
Class 1 (DALI/DSI/Emergency)
IP65 | 240V

LED

4000K

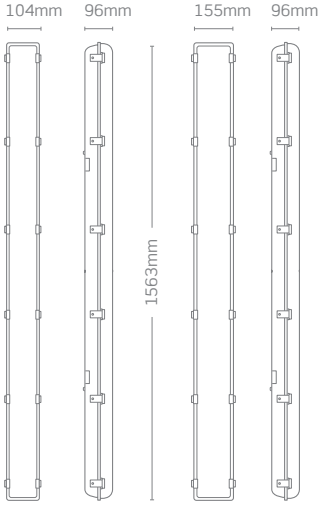
4000K | CRI: Ra (80)

FINISH
Grey

CONSTRUCTION
Body - Polycarbonate
Diffuser - Polycarbonate

TOUGHLED™ MICROWAVE SENSOR
See page 236

SINGLE **TWIN**



ToughLED™ 5ft

Outperforms traditional 5ft T8 fluorescent

5 year Extended warranty*
Emergency Versions available
Microwave Sensors available
Dimmable Options

- Outperforms linear fluorescent light output
- Up to 30% energy saving against linear fluorescent
- Instant start up, flicker free
- Quick and easy point for point installation
- Polycarbonate diffuser and body, suitable for food preparation areas
- Stainless steel anti-tamper clips
- Product life not affected by on/off switching

JC71501

JC71503

CODE	DESCRIPTION	WATT	LUMENS
JC**71501**	ToughLED™ 5ft single	49W	4500
JC**71501/1-10V**	ToughLED™ 5ft single 1-10V dimmable	49W	4500
JC**71501DALI**	ToughLED™ 5ft single DALI dimmable	49W	4500
JC**71501DSI**	ToughLED™ 5ft single DSI dimmable	49W	4500
JC**71509**	ToughLED™ 5ft single microwave on/off	49W	4500
JC**71509SD**	ToughLED™ 5ft single microwave dimming	49W	4500
JC**71505**	ToughLED™ 5ft single emergency	49W	4500
JC**71505/1-10V**	ToughLED™ 5ft single 1-10V dimmable emergency	49W	4500
JC**71505DALI**	ToughLED™ 5ft single DALI dimmable emergency	49W	4500
JC**71505DSI**	ToughLED™ 5ft single DSI dimmable emergency	49W	4500
JC**71503**	ToughLED™ 5ft twin	98W	9000
JC**71503/1-10V**	ToughLED™ 5ft twin 1-10V dimmable	98W	9000
JC**71503DALI**	ToughLED™ 5ft twin DALI dimmable	98W	9000
JC**71503DSI**	ToughLED™ 5ft twin DSI dimmable	98W	9000
JC**71511**	ToughLED™ 5ft twin microwave on/off	98W	9000
JC**71511SD**	ToughLED™ 5ft twin microwave dimming	98W	9000
JC**71507**	ToughLED™ 5ft twin emergency	98W	9000
JC**71507/1-10V**	ToughLED™ 5ft twin 1-10V dimmable emergency	98W	9000
JC**71507DALI**	ToughLED™ 5ft twin DALI dimmable emergency	98W	9000
JC**71507DSI**	ToughLED™ 5ft twin DSI dimmable emergency	98W	9000
JC**71525**	ToughLED™ 1.5M chain suspension kit (single)	-	-
JC**71526**	ToughLED™ 1.5M double chain suspension kit (twin)	-	-

*Requires online registration

ToughLED 6ft

Outperforms traditional 6ft T8 fluorescent

5 year
Extended warranty*

Emergency
Versions available

Microwave
Sensors available

Dimmable
Options

- Outperforms linear fluorescent light output
- Up to 30% energy saving against linear fluorescent
- Instant start up, flicker free
- Quick and easy point for point installation
- Polycarbonate diffuser and body, suitable for food preparation areas
- Stainless steel anti-tamper clips
- Product life not affected by on/off switching

CLASSIFICATION
Class 2 (Standard/Microwave/1-10V)
Class 1 (DALI/DSI/Emergency)
IP65 | 240V

LED

4000K

4000K | CRI: Ra (80)

FINISH
Grey

CONSTRUCTION
Body - Polycarbonate
Diffuser - Polycarbonate

JC71502

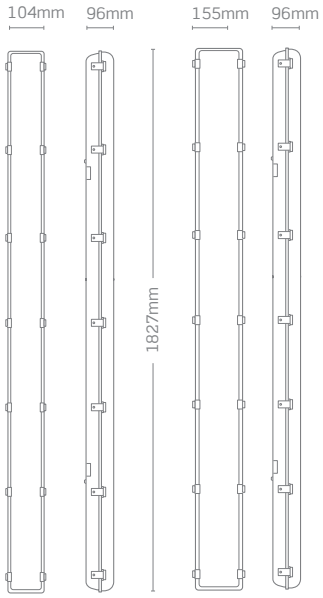
JC71504

TOUGHLED™ MICROWAVE SENSOR
See page 236

CODE	DESCRIPTION	WATT	LUMENS
JC**71502**	ToughLED™ 6ft single	59W	5400
JC**71506**	ToughLED™ 6ft single emergency	59W	5400
JC**71510**	ToughLED™ 6ft single microwave on/off	59W	5400
JC**71504**	ToughLED™ 6ft twin	118W	10,800
JC**71508**	ToughLED™ 6ft twin emergency	118W	10,800
JC**71512**	ToughLED™ 6ft twin microwave on/off	118W	10,800
JC**71525**	ToughLED™ 1.5M chain suspension kit (single)	-	-
JC**71526**	ToughLED™ 1.5M double chain suspension kit (twin)	-	-

*Requires online registration

SINGLE **TWIN**



U
8B
U
8C

ToughLED Eco 4ft

Direct 36W T8 fluorescent replacement

3 year
Product guarantee

Emergency
Versions available

- Ultra efficient 90 lumens per circuit Watt
- 45% energy saving
- Ideal retrofit solution
- Zero maintenance, no need to relamp
- Smooth, even light distribution
- IP65, ideal for use in industrial and external applications
- Ultra slim profile
- Instant start up, flicker-free performance
- NEW available in emergency

CLASSIFICATION
Class 2 (Standard)
Class 1 (Emergency)
IP65 | 240V

LED

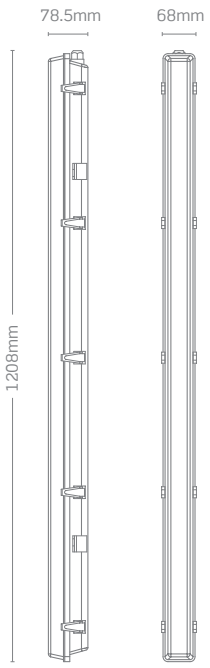
4000K

4000K | CRI: Ra (80)

FINISH
Grey

CONSTRUCTION
Body - Polycarbonate
Diffuser - Polycarbonate
Clips - Polycarbonate
Accessory clips - Stainless Steel (JC71527)

JC71541



CODE	DESCRIPTION	WATT	LUMENS
JC**71541**	ToughLED™ Eco 4ft single	20W	1800
JC**71541EM**	ToughLED™ Eco 4ft single emergency	20W	1800
JC**71527**	Stainless steel clip accessory for ToughLED™ Eco 4ft	-	-

CLASSIFICATION
Class 2 (Standard)
Class 1 (Emergency)
IP65 | 240V

LED

4000K

4000K | CRI: Ra (80)

FINISH
Grey

CONSTRUCTION
Body – Polycarbonate
Diffuser - Polycarbonate
Clips - Polycarbonate
Accessory clips - Stainless Steel (JC71528)

ToughLED Eco 5ft

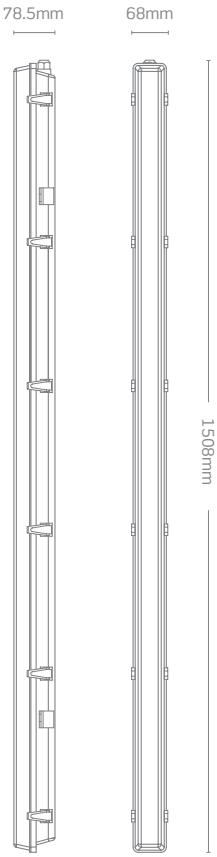
Direct 58W T8 fluorescent replacement

3 year
Product guarantee

Emergency
Versions available

- Ultra efficient 90 lumens per circuit Watt
- 49% energy saving
- Ideal retrofit solution
- Zero maintenance, no need to relamp
- Smooth, even light distribution
- IP65, ideal for use in industrial and external applications
- Ultra slim profile
- Instant start up, flicker-free performance
- NEW available in emergency

JC71542



CODE	DESCRIPTION	WATT	LUMENS
JC**71542**	ToughLED™ Eco 5ft single	30W	2800
JC**71542EM**	ToughLED™ Eco 5ft single emergency	30W	2800
JC**71528**	Stainless steel clip accessory for ToughLED™ Eco 5ft	-	-

Oxford 4ft

NEW PRODUCT
Available Dec '16

Ultra efficient, direct 36W T8 fluorescent retrofit

5 year
Extended warranty*

Emergency
Versions available

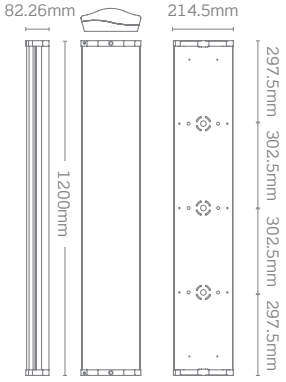
- Ultra efficient, up to 100 Lumens per curcuit Watt
- 50% energy saving against 36W T8 fluorescent
- Designed for surface mounted and solid ceilings
- Hinged for simple installation
- Smooth even light distribution, no visible hotspots

CLASSIFICATION
Class 1
IP20 | 240V

LED
4000K
4000K | CRI: Ra (80)

CONSTRUCTION
Body - Mild steel
Diffuser - Polycarbonate

JC71411



CODE	DESCRIPTION	WATT	LUMENS
JC**71411**	Oxford™ Linear 4ft single	20W	2000
JC**71411EM**	Oxford™ Linear 4ft single emergency	20W	2000
JC**71412**	Oxford™ Linear 4ft twin	40W	4000
JC**71412EM**	Oxford™ Linear 4ft twin emergency	40W	4000

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

CLASSIFICATION
Class 1
IP20 | 240V

LED

4000K

4000K | CRI: Ra (80)

CONSTRUCTION
Body - Mild steel
Diffuser - Polycarbonate

Oxford 5ft

NEW PRODUCT
Available Dec '16

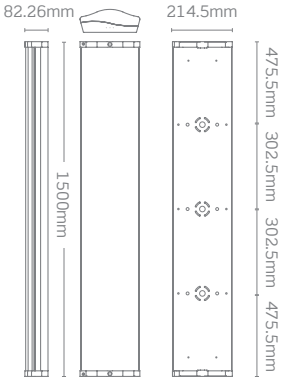
Ultra efficient, direct 58W T8 fluorescent retrofit

5 year
Extended warranty*

Emergency
Versions available

- Ultra efficient, up to 100 Lumens per curcuit Watt
- 50% energy saving against 58W T8 fluorescent
- Designed for surface mounted and solid ceilings
- Hinged for simple installation
- Smooth even light distribution, no visible hotspots

JC71413



CODE	DESCRIPTION	WATT	LUMENS
JC**71413**	Oxford™ Linear 5ft single	30W	3000
JC**71413EM**	Oxford™ Linear 5ft single emergency	30W	3000
JC**71414**	Oxford™ Linear 5ft twin	60W	6000
JC**71414EM**	Oxford™ Linear 5ft twin emergency	60W	6000
JC**71415**	Oxford™ Linear 5ft high output twin	80W	8000
JC**71415EM**	Oxford™ Linear 5ft high output twin emergency	80W	8000

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

05

Highbay & Lowbay

JCC® | a LEVITON® company

103
TOUGHBAY™
CIRCULAR 100W

104
TOUGHBAY™
CIRCULAR 180W

105
TOUGHBAY™
CIRCULAR 230W

106
TOUGHBAY™
CIRCULAR REFLECTORS

107
TOUGHBAY™
CIRCULAR ACCESSORIES

109
TOUGHBAY™
LINEAR 75W

110
TOUGHBAY™
LINEAR 150W

111
TOUGHBAY™
LINEAR 210W

112
TOUGHLED™
LINEAR ACCESSORIES

114
MULTI-FUNCTION
SENSOR

Industrial lighting

Application guide

Open areas: 200-300 lux
Toughbay™ Circular 230W
Suspended with reflector

Production/fine detail: 500-700 lux
Toughbay™ Linear 75W
2ft Linear surface mounted

Retail/showrooms: 500-700 lux
Toughbay™ Circular 100W
Surface mounted with prismatic reflector

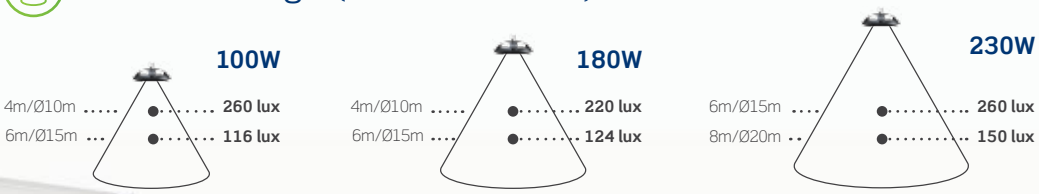
Aisle/racking: 150 lux
Toughbay™ Linear 210W
5ft Linear suspended

Toughbay Circular

Ideal for open areas to provide wide even light distribution

- Direct HID metal halide replacement
- Wide 105° beam angle (without reflector)
- Focused 60° beam angle (with reflector)
- IP65 as standard
- 1-10V dimmable as standard
- Ultra efficient, over 100 LpcW

105° beam angle (Without reflector)



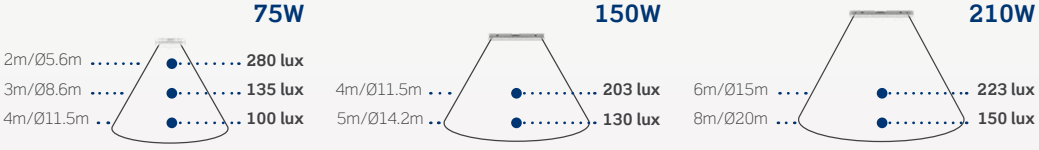
60° beam angle (With reflector)

Toughbay Linear

Ideal for aisle & racking areas

- Direct HID and fluorescent replacement
- IP65 as standard
- 1-10V dimmable as standard
- Suitable for high racking applications
- Provides required light distribution for aisles
- Adjustable mounting points for easy installation

110° beam angle



CIBSE Guidelines for industrial applications

CIBSE (Chartered Institution of Building Services Engineers) guidelines for industrial applications.

Aisle/racking	Open Areas	Retail/Showrooms	Production Areas
Mounted at 10m	Mounted at 8m	Mounted at 8m	Mounted at 6m
150 - 200 lux	**300 lux**	**500-700 lux**	**500 lux**

Measured at 0.75m from floor level.

Toughbay™ Circular

Maximum efficiency, minimum maintenance

UP TO
109 LPCW
LUMENS PER CIRCUIT WATT

UP TO
23,700
LUMENS

MOUNTING LOOP
See page 107 for mounting options

MULTI-ARRAY LED CHIPS
Delivering up to 109 LpcW and reduces glare.

DRIVER
Pre-wired 1-10V driver

BACK PLATE
Protects the driver from dust & debris

CAST ALUMINIUM BEZEL
With silicone gasket which maintains IP65 rating

IP67 CONNECTOR
Included as standard

CLEAR POLYCARBONATE LED DIFFUSER
High specification polycarbonate, easy to clean surface.

Outstanding cost savings

Annual cost saving	Lifetime cost saving	Lifetime CO_2 reduction	Extended warranty
£17,701.77	£88,508.85	204.9T/CO_2e	5years*

Energy and maintenance savings based on **100 x Toughbay™ Circular 230W** vs **100 x 400W HID metal halide fittings.** Annual usage of 12 hours per day, 365 days per year, over a 5 year period. Energy tariff £0.15 per kWh. 50% lamp failure rate. Lamp replacement costs include cherry picker hire of £300 per day and labour costs of £640 (2 contractors for 8 hours at £40p/h). Average of 16 HID lights changed over an 8 hour period. Overall lamp change cost of £58.75 per fitting.

NEW VARIANTS

Toughbay Circular

Direct 150W HID metal halide replacement

5 year Extended warranty*

Microwave Sensor See page 235

Dimmable 1-10V as standard

Emergency Version available

- 40% energy saving
- Up to 102 lumens per circuit Watt
- 105° beam angle without reflector
- 60° reflector beam angle option, available page 106
- Surface mount bracket available page 107
- 50,000 hours life to L70
- Leviton microwave sensing available for further energy savings (see page 235)
- IP65, suitable for all industrial applications
- Suitable for retail and mezzanine applications
- Supplied with mounting ring and IP67 connector as standard
- Available in black or white finish
- NEW available in emergency

JC71810

CLASSIFICATION

Class 1

IP65 | 100-240V (Standard)

220-240V (Emergency)

LED

5700K

5700K | CRI: Ra (80)

FINISH

Black, white

CONSTRUCTION

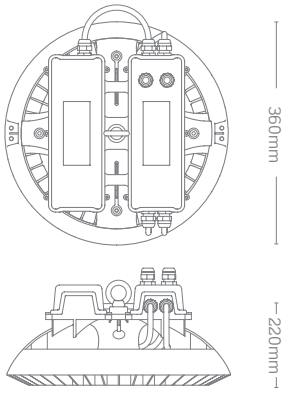
Body - Cast aluminium

Diffuser - Clear polycarbonate

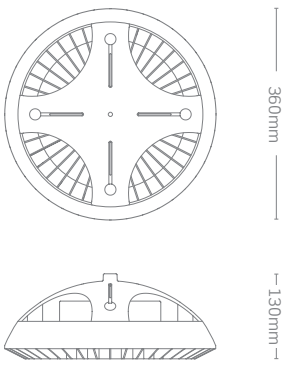
Max. working temp. 60°C

Min. working temp. -30°C

EMERGENCY



STANDARD



CODE	DESCRIPTION	WATT	LUMENS
JC**71810**	Toughbay™ Circular	100W	10,600
JC**71810EM**	Toughbay™ Circular emergency	100W	10,600

*Requires online registration.

Toughbay Circular

NEW VARIANTS

Direct 250W HID metal halide replacement

5 year
Extended warranty*

Microwave Sensor
See page 235

Dimmable
1-10V as standard

Emergency
Version available

- 35% energy saving
- Up to 109 lumens per circuit Watt
- 105° beam angle without reflector
- 60° reflector beam angle option (see page 106)
- Surface mount bracket (see page 107)
- 50,000 hours life to L70
- Leviton microwave sensing available for further energy savings (see page 235)
- IP65, suitable for all industrial locations
- Suitable for medium height mounting industrial applications
- Supplied with mounting ring and IP67 connector as standard
- NEW available in emergency

JC71811

CLASSIFICATION
Class 1
IP65 | 100-240V (Standard)
220-240V (Emergency)

LED

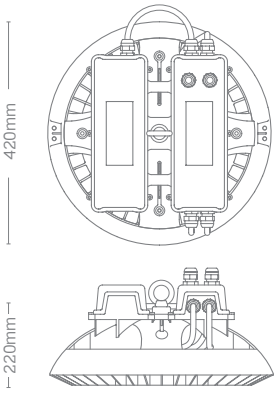
5700K

5700K | CRI: Ra (80)

FINISH
Black

CONSTRUCTION
Body - Cast aluminium
Diffuser - Clear polycarbonate
Max. working temp. 60°C
Min. working temp. -30°C

EMERGENCY



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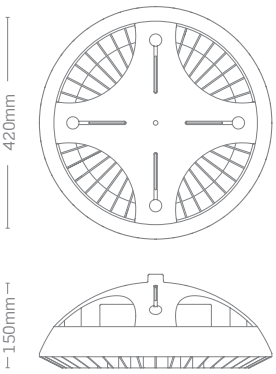


CODE	DESCRIPTION	WATT	LUMENS
JC**71811**	Toughbay™ Circular	180W	19,700
JC**71811EM**	Toughbay™ Circular emergency	180W	19,700

*Requires online registration.

NEW VARIANTS

Toughbay Circular

Direct 400W HID metal halide replacement

5 year Extended warranty*

Microwave Sensor See page 235

Dimmable 1-10V as standard

Emergency Version available

- 48% energy saving
- Up to 103 lumens per circuit Watt
- 105° beam angle without reflector
- 60° reflector beam angle option (see page 106)
- Surface mount bracket (see page 107)
- 50,000 hours life to L70
- Leviton microwave sensing available for further energy savings (see page 235)
- IP65, suitable for all industrial locations
- Suitable for high mounting industrial applications
- Supplied with mounting ring and IP67 connector as standard
- NEW available in emergency

CLASSIFICATION
Class 1
IP65 | 100-240V (Standard)
220-240V (Emergency)

LED

5700K

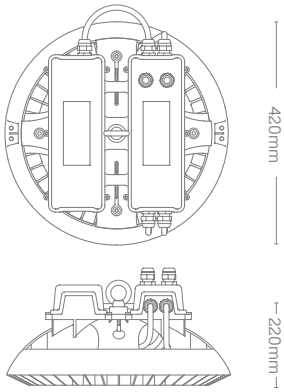
5700K | CRI: Ra (80)

FINISH
Black

CONSTRUCTION
Body - Cast aluminium
Diffuser - Clear polycarbonate
Max. working temp. 60°C
Min. working temp. -30°C

JC71812

EMERGENCY



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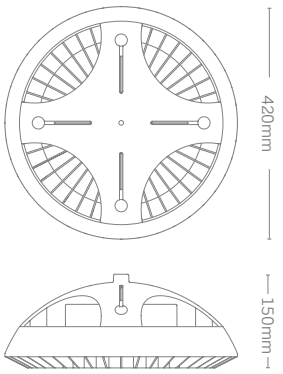


CODE	DESCRIPTION	WATT	LUMENS
JC**71812**	Toughbay™ Circular	230W	23,700
JC**71812EM**	Toughbay™ Circular emergency	230W	23,700

*Requires online registration.

Toughbay™ Circular Reflectors

Reflectors to compliment Toughbay™ Circular

- 60° beam angle reflectors
- Designed to compliment the Toughbay™ circular range
- Ideal for reducing glare and increasing lux levels directly beneath the fitting
- Clear polycarbonate reflector available (100W only) suitable for retail applications
- Quick 4-screw installation
- Leviton microwave sensor reflector clip attachment available

FINISH
Black, clear polycarbonate
(JC71854PR only)

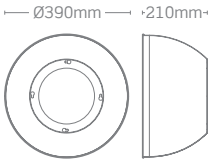
CONSTRUCTION
Spun aluminium
Polycarbonate (JC71854PR only)

Leviton multi-function sensor mounting clip available page 235

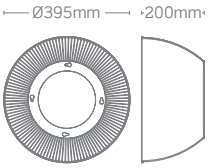
JC71852BLK
(Shown with JC71812BLK)

PRISMATIC

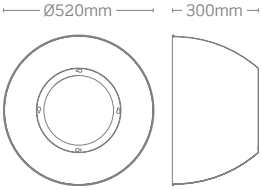
JC71854BLK (100W)



JC71854PR (100W)



JC71582BLK (180W/230W)



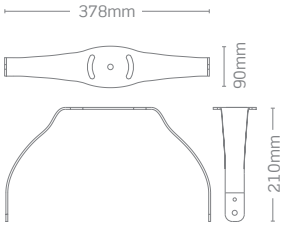
CODE	DESCRIPTION	FINISH
JC**71854PR**	Toughbay™ Circular 60° reflector (for 100W)	Prismatic
JC**71854BLK**	Toughbay™ Circular 60° reflector (for 100W)	Black
JC**71852BLK**	Toughbay™ Circular 60° reflector (for 180W & 230W)	Black

*Requires online registration.

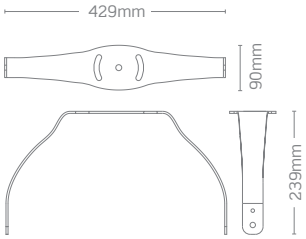
FINISH
Black, white (JC71856)

CONSTRUCTION
Steel

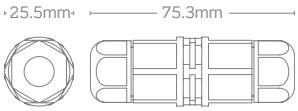
JC71855/56



JC71850



JC71851



Toughbay™ Circular Accessories

Accessories to compliment Toughbay™ Circular

- Surface mounting bracket available for all fittings
- Quick 4-screw surface mount bracket attachment
- 180° tilt featured as standard for wall and post mounting applications
- Horizontal tilt suitable for external floodlighting
- White finish available for smaller 100W fitting only

JC71850BLK
(Shown with JC71811BLK)

JC71851

CODE	DESCRIPTION	FINISH
JC**71856**	Toughbay™ Circular surface mounting bracket (for 100W only)	White
JC**71855**	Toughbay™ Circular surface mounting bracket (for 100W only)	Black
JC**71850**	Toughbay™ Circular surface mounting bracket (for 180W & 230W only)	Black
JC**71851**	Toughbay™ Circular waterproof IP67 connector	Black

*Requires online registration.

Toughbay™ Linear

Outperforms traditional fluorescent

UP TO
100 LPCW
LUMENS PER CIRCUIT WATT

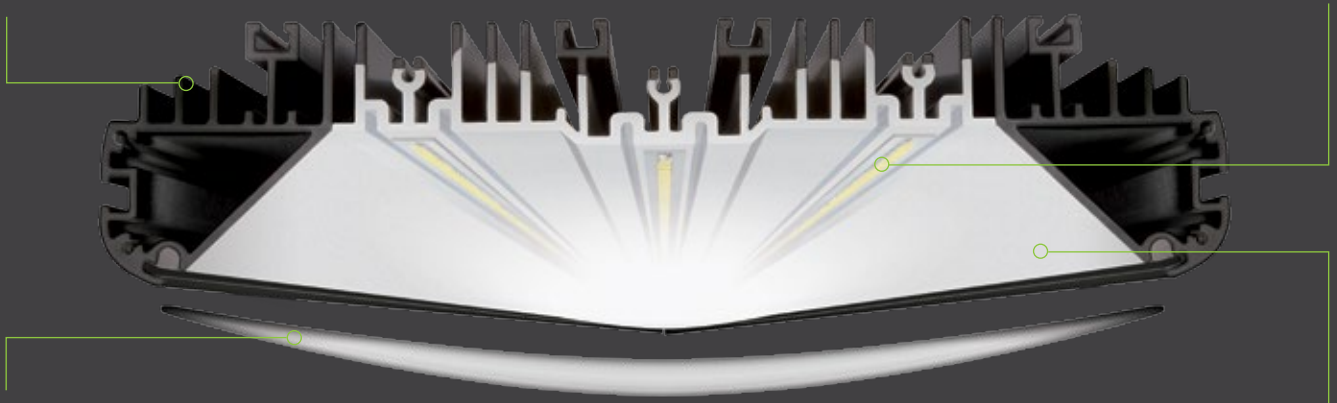
UP TO
19,000
LUMENS

MOUNTING LOOP
Comes fixed as standard for quick and easy installation.

MOUNTING BRACKET
Toughbay's unique mounting bracket is fully adjustable making it versatile and the perfect retrofit solution.

INTELLIGENT THERMAL MANAGEMENT
Toughbay's fully integrated heat sink is designed to specifically improve airflow and maximise heat dissipation to help reduce the operating temperature of the fitting and improve reliability.

TRIPLE-ARRAY LED CHIPS
Toughbay™ Linear uses the latest high output LED chips, providing up to 100 LpcW. The triple array is designed to provide even light distribution.



IMPACT RESISTANT POLYCARBONATE LED DIFFUSER
Toughbay™ Linear's high quality polycarbonate diffuser is shatter proof providing extra safety in the work place.

REFLECTOR
Toughbay™ Linear's high quality reflector ensures that light is evenly distributed, providing a crisp clear light. This makes it ideal task lighting and areas that require fine detail.

Outstanding cost savings

Annual cost saving	Lifetime cost saving	Lifetime CO_2 reduction	Extended warranty
£21,137.88	£10,731.00	148.3T/CO_2e	5years

Energy and maintenance savings based on **100 x Toughbay™ Linear 210W** vs **100 x 4x80W T5 fluorescent fittings.** Annual usage of 12 hours per day, 365 days per year, over a 5 year period. Energy tariff £0.15 per kWh. 50% lamp failure rate. Lamp replacement costs include cherry picker hire of £300 per day and labour costs of £640 (2 contractors for 8 hours at £40p/h). Average of 16 HID lights changed over an 8 hour period. Overall lamp change cost of £58.75 per fitting.

NEW VARIANTS

Toughbay Linear low bay

Direct 150W HID low bay replacement

5 year Extended warranty*

Microwave Sensor See page 235

Dimmable 1-10V as standard

Emergency Version available

- Over 50% energy saving
- Consistent Toughbay™ construction and colour temperature
- 100 Lumens per circuit Watt
- 110° beam angle
- 50,000 hours life to L70
- Leviton microwave sensing available for further energy savings (page 235)
- IP65, suitable for all industrial applications
- Suitable for production and manufacturing low bay applications
- Suitable for cold storage areas and freezers
- Supplied with two mounting rings and IP67 connector as standard
- Adjustable mounting points for easy installation
- NEW available in emergency

CLASSIFICATION

Class 1

IP65 | 100-240V (Standard)

220-240V (Emergency)

LED

5700K

5700K | CRI: Ra (80)

FINISH

Black, white

CONSTRUCTION

Frame - Extruded aluminium

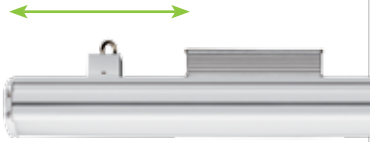
End caps - Cast aluminium

Diffuser - Polycarbonate

Max. working temp. 60°C

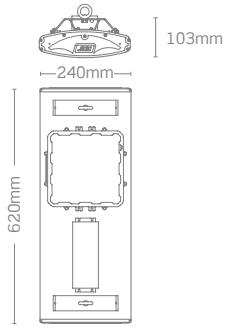
Min. working temp. -30°C

Adjustable mounting points for easy retrofit installation

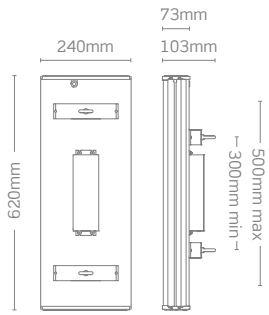


JC71901WH

EMERGENCY



STANDARD



CODE	DESCRIPTION	WATT	LUMENS
JC**71901**	Toughbay™ Linear 620mm (2ft)	75W	7500
JC**71901EM**	Toughbay™ Linear 620mm (2ft) emergency	75W	7500

*Requires online registration.

NEW VARIANTS

Toughbay Linear

Outperforms traditional 4x54W T5 fluorescent

5 year Extended warranty*

Microwave Sensor See page 235

Dimmable 1-10V as standard

Emergency Version available

- Equivalent light output to 4x54W T5 fluorescent
- 40% energy saving
- Consistent Toughbay™ construction and colour temperature
- 93 lumens per circuit Watt
- 110° beam angle
- 50,000 hours life to L70
- Leviton microwave sensing available for further energy savings (page 235)
- IP65, suitable for all industrial applications
- Suitable for production and manufacturing low bay applications
- Suitable for cold storage areas and freezers
- Supplied with two mounting rings and IP67 connector as standard
- Adjustable mounting points for easy installation
- NEW available in emergency

JC71902BLK

CLASSIFICATION
Class 1
IP65 | 100-240V (Standard)
220-240V (Emergency)

LED
5700K
5700K | CRI: Ra (80)

FINISH
Black, white

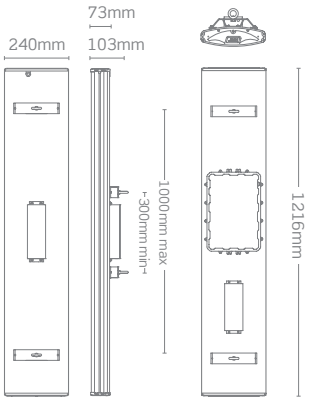
CONSTRUCTION
Frame - Extruded aluminium
End caps - Cast aluminium
Diffuser - Polycarbonate
Max. working temp. 60°C
Min. working temp. -30°C

Adjustable mounting points
for easy retrofit installation

CODE	DESCRIPTION	WATT	LUMENS
JC**71902**	Toughbay™ Linear 1216mm (4ft)	150W	14,000
JC**71902EM**	Toughbay™ Linear 1216mm (4ft) emergency	150W	14,000

*Requires online registration.

STANDARD **EMERGENCY**



NEW VARIANTS

Toughbay Linear

Outperforms traditional 4x80W T5 fluorescent

5 year
Extended warranty*

Microwave Sensor
See page 235

Dimmable
1-10V as standard

Emergency
Version available

- Equivalent light output to 4x80W T5 fluorescent
- Up to 40% energy saving
- Consistent Toughbay™ construction and colour temperature
- 95 lumens per circuit Watt
- 110° beam angle
- 50,000 hours life to L70
- Leviton microwave sensing available for further energy savings (page 235)
- IP65, suitable for all industrial applications
- Suitable for production and manufacturing low bay applications
- Suitable for cold storage areas and freezers
- Supplied with two mounting rings and IP67 connector as standard
- Adjustable mounting points for easy installation
- NEW available in emergency

CLASSIFICATION
Class 1
IP65 | 100-240V (Standard)
220-240V (Emergency)

LED
5700K

5700K | CRI: Ra (80)

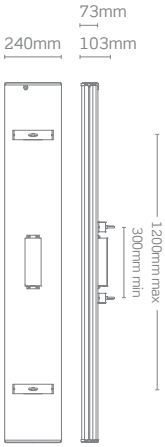
FINISH
Black, white

CONSTRUCTION
Frame – Extruded aluminium
End caps - Cast aluminium
Diffuser - Polycarbonate
Max. working temp. 60°C
Min. working temp. -30°C

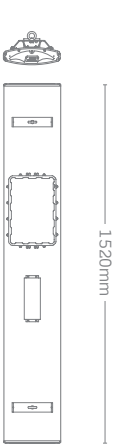
Adjustable mounting points
for easy retrofit installation

JC71903BLK

STANDARD



EMERGENCY



CODE	DESCRIPTION	WATT	LUMENS
JC**71903**	Toughbay™ Linear 1520mm (5ft)	210W	19,000
JC**71903EM**	Toughbay™ Linear 1520mm (5ft) emergency	210W	19,000

*Requires online registration.

Toughbay™ Linear Wireguard

Wireguard accessory to protect Toughbay™ Linear

- Heavy duty wireguard for added impact resistance in areas at risk of extreme impacts
- Available in three different sizes

JC71902BLK

CODE	DESCRIPTION	FINISH
JC**71921**	Wire guard Accessory Linear 2ft	Chrome
JC**71922**	Wire guard Accessory Linear 4ft	Chrome
JC**71923**	Wire guard Accessory Linear 5ft	Chrome

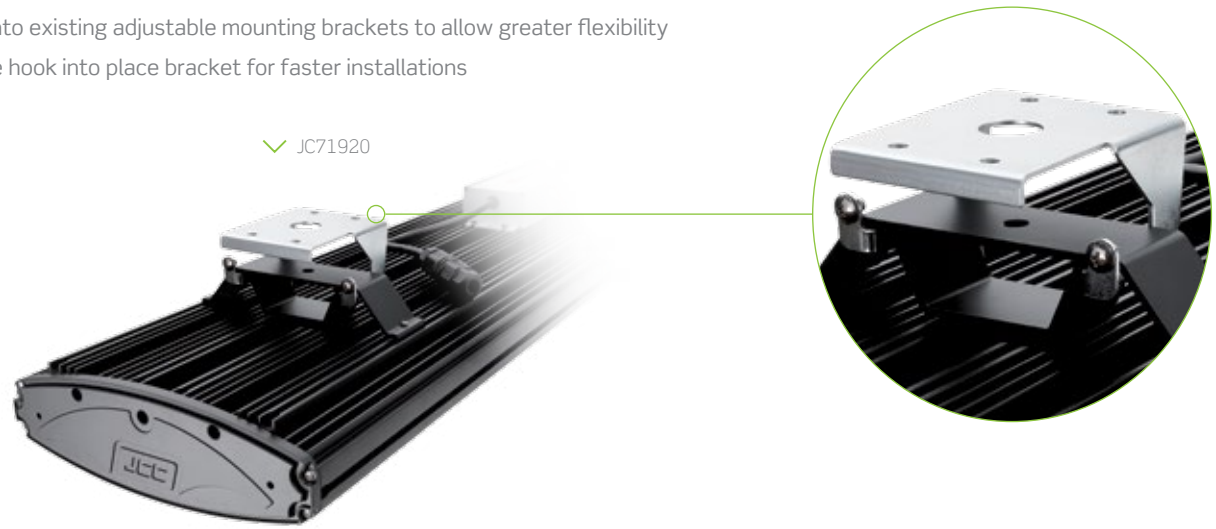
*Requires online registration.

Toughbay™ Linear Surface Mount

Retrofit solution for surface mount applications

- Designed to offer a retrofit solution for surface mount applications
- Ideal for use in trunking applications
- Fits onto existing adjustable mounting brackets to allow greater flexibility
- Simple hook into place bracket for faster installations

JC71920



CODE	DESCRIPTION	FINISH
JC**71920**	Surface Mount bracket	Galvanised

*Requires online registration.

Multi-function sensor

- Microwave on/off sensing
- Step dimming
- Compatible with all Toughbay™ products
- Wide detection range for precision control

LEV71904BLK

Wide detection range for precision control

Up to 15m mount height

The Leviton® multi-function sensor is suitable for mounting heights up to 15m making it the ideal solution for retail and industrial applications.

16m wide detection range

The ultra-wide 16m detection range allows installers to control specific high footfall and low footfall areas using both on/off and step dimming sensing. The detection range can be adjusted up to 50% by using the dip switches.

Designed for simple, versatile installation

Reflector clip

The Leviton® multi-function sensor comes with additional connector for installation on all Toughbay™ reflectors.

Direct connector

The Leviton® multi-function sensor can be connected directly to both Toughbay™ Circular and Linear fittings.

Remote sensing

To provide complete control the Leviton® multi-function sensor can be installed remotely at specified locations.

Reduce your energy use by a further 50%

Unlike HID, LED is perfectly suited for use with controls

HID metal halide lamps typically require a 15 minute cool down period when switched off before re-strike, making them unsuitable for use with energy saving occupancy sensors. Whilst fluorescent lamps can be switched on and off, the frequent on/off switching will reduce lamp life by up to 75%, leading to significant maintenance costs.

LED is not only twice as efficient as traditional light sources, but when used in conjunction with microwave sensing can reduce energy consumption by a further 48%. Furthermore, Toughbay™ Sensor is 1-10V dimmable as standard so whether you are looking to implement dimming control now or in the future, significant running cost savings can be achieved at any time.

On/off sensing

- Without occupancy the lights remain off
- Adjustable hold time from 5 secs - 30 minutes

On/off sensing can be the most effective way to maximise energy savings for areas that are infrequently used and require lights off when there is no occupancy.

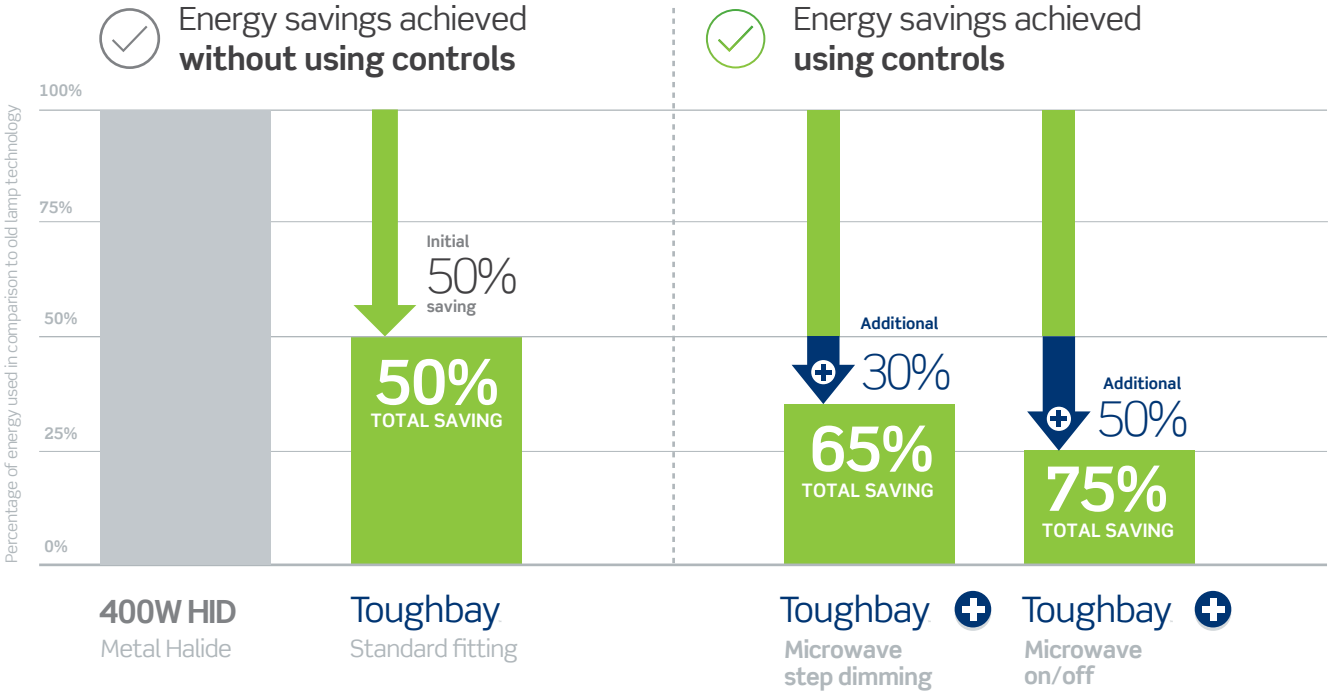
This makes on/off sensing the most suitable control solution to use in low footfall areas such as storage areas and loading bays.

Step dimming

- Without occupancy the lights dim to 10% - 50% of full illumination
- Adjustable standby dimming time from 5 secs - 60 minutes

For higher occupancy areas, such as high rack applications, there may be little or no external lighting contributing to the lighting levels. Having the lights off may compromise the safety to employees if there are unexpected obstacles along the dark aisles.

Retaining a low level of lighting when there is no occupancy increases visibility into areas that are not in use and increases awareness of obstacles or potentially dangerous hazards.



When combining Toughbay™ 230W with occupancy on/off sensing, an astonishing 75% energy savings can be achieved against 400W HID without compromising safety in the workplace.

06

Emergency

JCC® | a LEVITON® company

118
IP65 LED
EXIT BULKHEAD

119
LED EXIT
BLADE

120
LED
EXIT BOX

121
LED
TWIN SPOT

122
RECESSED LED
DOWNLIGHT

123
SURFACE LED
DOWNLIGHT

IP65 Exit Bulkhead

Direct 8W T5 retrofit LED exit bulkhead

5 year
Extended warranty*

- IP65, ideal for all commercial and industrial applications
- Supplied with up/down/left/right running man legends as standard
- Self test as standard (7W version only)
- 100% maintained and non-maintained modes
- Hinged LED gear tray for fast installation
- Side and rear conduit entry points

JC50301

CLASSIFICATION
Class 1
IP65 | 240V

LED

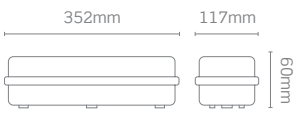
6000K

JC50301 - 6000K | CRI: Ra (80)
JC50321 - 6000K | CRI: Ra (85)

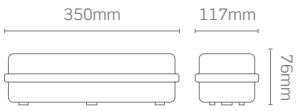
FINISH
White

CONSTRUCTION
Body – Polycarbonate
Diffuser - Prismatic polycarbonate
LED gear tray - White painted steel

JC50321



JC50301



CODE	DESCRIPTION	WATT	LUMENS (DC)	LUMENS (AC)
JC**50301**	Exit bulkhead - Self test	7W	190	430
JC**50321**	Exit bulkhead	3W	120	122

*Requires online registration.

CLASSIFICATION
Class 1
IP20 | 240V

LED

6000K

6000K | CRI: Ra (78)

FINISH
White

CONSTRUCTION
Body – Polycarbonate frame
Legend - Acrylic

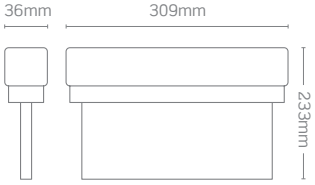
Exit Blade

Contemporary LED exit wall blade

5 year
Extended warranty*

- Hinged frame for wall and ceiling mounting applications
- Visible from a distance of 24 metres
- Supplied without running man legend
- Running man legend kits bought separately

JC50302
(Shown with JC50308)



CODE	DESCRIPTION	WATT	LUMENS (DC)	LUMENS (AC)
JC**50302**	Exit bulkhead	3W	50	50
JC**50308**	Running man kit - Arrow left & right	-	-	-
JC**50310**	Running man kit - Arrow down (x2)	-	-	-
JC**50311**	Running man kit - Arrow up (x2)	-	-	-

*Requires online registration.

Exit Box

Direct 8W T5 retrofit LED exit box

5 year
Extended warranty*

- Visible from a distance of 24 metres
- Supplied as standard with down running man legend
- Left/right or up running man bought separately
- Top and rear conduit entry knock out points

CLASSIFICATION
Class 1
IP20 | 240V

LED

6000K

6000K | CRI: Ra (48)

FINISH
White

CONSTRUCTION
Body - White painted steel
Diffuser - Polycarbonate

JC50303

CODE	DESCRIPTION	WATT	LUMENS (DC)	LUMENS (AC)
JC**50303**	Exit box with down arrow legend	6W	50	95
JC**50304**	Left and right running man legend	-	-	-
JC**50314**	Up running man legend	-	-	-

*Requires online registration.

CLASSIFICATION
Class 1
IP65 | 240V

LED

6000K

6000K

FINISH
White

CONSTRUCTION
Body - Polycarbonate
Lamp head - Polycarbonate

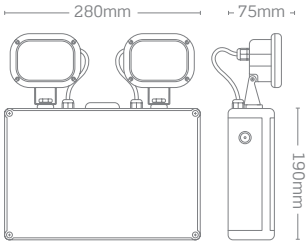
Twin Spot

IP65 emergency LED twin spot

5 year
Extended warranty*

- Durable construction
- Ideal for commercial and industrial applications
- Twin side conduit entry
- Lightweight design for quick and simple installation

JC50305



CODE	DESCRIPTION	WATT	LUMENS
JC**50305**	Exit bulkhead	7W	470

*Requires online registration.

Recessed LED Downlight

Discreet 3W remote LED downlight

5 year
Extended warranty*

- Non-maintained 3W recessed downlight
- Ideal for emergency lighting in offices and corridors

JC50306

CLASSIFICATION
Class 2
IP20 | 240V

LED

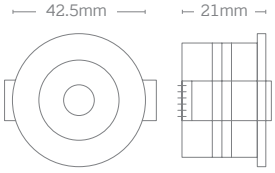
6000K

6000K

FINISH
White

CONSTRUCTION
Body - Polycarbonate control gear in a fire retardant bag

CUTOUT SIZES
Ø34mm



CODE	DESCRIPTION	WATT	LUMENS (DC)
JC**50306**	Emergency recessed LED downlight	3W	103

*Requires online registration.

CLASSIFICATION
Class 2
IP20 | 240V

LED

6000K

6000K

FINISH
White

CONSTRUCTION
Body – Polycarbonate housing, aluminium LED body

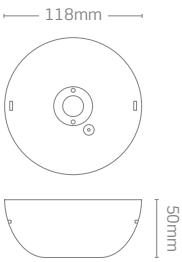
Surface LED Downlight

Surface mount 3W LED downlight

5 year
Extended warranty*

- Non-maintained
- Quick and simple surface mount installation
- Stylish design ideal for contemporary commercial applications

JC50307



CODE	DESCRIPTION	WATT	LUMENS (DC)
JC**50307**	Emergency surface mounted LED downlight	3W	103

*Requires online registration.

07

Interior & Exterior Wall Lights

JCC® | a LEVITON® company

127
RADIALED®
OPTIMUM 8W

128
RADIALED®
OPTIMUM 14W

129
RADIALED®
OPTIMUM 19W

130
RADIALED®
OPTIMUM RIMS

133
RADIALED®
UTILITY

135
RADIALED®
STYLE 16W & 21W

136
RADIALED®
STYLE 32W

137
RADIALED®
STYLE SLIM

139
RADIALED®
VOGUE

141
RADIALED®
ELEMENT

142
NITELED™
WALL SPHERE

143
ASTRA
WALL LIGHTS

145
NITELED™
QUARTER SPHERE

146
NITELED™
WALL CURVE

147
NITELED™
WALL SLIM

148
NITELED™
WALL BAR

149
NITELED™
WALL WEDGE

150
NITELED™
WALL ARC

151
NITELED™
WALL CRESCENT

152
NITELED™ DOME
WALL LIGHTS

154
CERAMIC
UPLIGHTS

156
ELEGENTI LED
SURFACE

157
BODO
WALL LIGHT

158
DORCHESTER
WALL LIGHT

159
BERKELEY
WALL LIGHT

RadiaLED® Optimum

Same light level, 50% energy saving

CHROME

UP TO
84 LPCW
LUMENS PER CIRCUIT WATT

UP TO
1,600
LUMENS

EXTENDED
10 YEAR
WARRANTY

RadiaLED® Optimum rim options

High quality rim accessories for RadiaLED® Optimum are available in a number of different finishes.
See page 130 for more information.

BLACK

WHITE

SATIN CHROME

ANTIQUE BRASS

SATIN SILVER

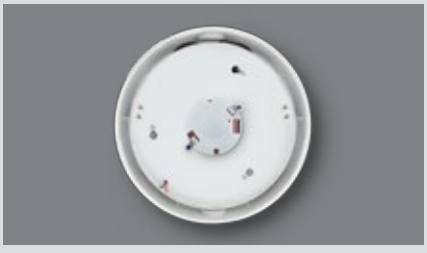
BLACK NICKEL

CONDUIT ENTRY POINTS

The polycarbonate base for RadiaLED® has been specifically designed with side and rear conduit entry points into the base and help maintain the units' IP rating.

ANTI-TAMPER

The anti-tamper added security screw on RadiaLED® Optimum ensures peace of mind. Simply twist and lock the diffuser into place and then secure screw in fitting.



MICROWAVE SENSING

Microwave on/off and step dimming variants are available for RadiaLED® Optimum, which offers additional energy and cost savings.

CLASSIFICATION
Class 1
IP65 | 240V | IK09

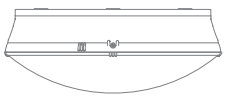
LED

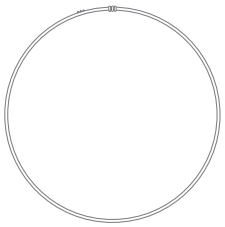
4000K

4000K | CRI: Ra (80)

FINISH
See rim options on page 130

CONSTRUCTION
Body - Polycarbonate
Diffuser - Opal polycarbonate





NEW VARIANTS

RadiaLED Optimum

50% energy saving against 16W 2D fluorescent

10 year Extended warranty*

Emergency Versions available

Microwave Sensor available

Photocell Options available

- 83 lumens per circuit Watt
- IP65 weather resistant, anti-vandal construction
- IK09 impact rating
- Instant start up time, no warm up time
- Twin conduit side entry points
- Designed to be used in conjunction with 14W and 19W RadiaLED® Optimum
- Available with seven rim accessories
- NEW dusk to dawn on/off photocell

JC23331

CODE	DESCRIPTION	WATT	LUMENS
JC**23331WOP**	RadiaLED® Optimum	8W	660
JC**23331WOPPC**	RadiaLED® Optimum c/w on/off photocell	8W	660
JC**23333WOP**	RadiaLED® Optimum c/w microwave dimming	8W	660
JC**23332WOP**	RadiaLED® Optimum emergency	8W	660
JC**23332WOPPC**	RadiaLED® Optimum c/w on/off photocell emergency	8W	660
JC**23334WOP**	RadiaLED® Optimum c/w microwave on/off sensor emergency	8W	660

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

RadiaLED Optimum

NEW VARIANTS

50% energy saving against 28W 2D fluorescent

10 year
Extended warranty*

Emergency
Versions available

Microwave
Sensor available

Photocell
Options available

- 79 lumens per circuit Watt
- IP65 weather resistant, anti-vandal construction
- IK09 impact rating
- Instant start up time, no warm up time
- Twin conduit side entry points
- Designed to be used in conjunction with 8W and 19W RadiaLED® Optimum
- Available with seven rim accessories
- NEW dusk to dawn on/off photocell

JC23341

CLASSIFICATION
Class 1
IP65 | 240V | IK09

LED

4000K

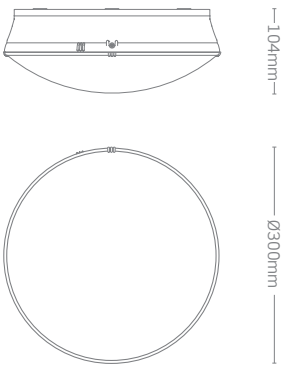
4000K | CRI: Ra (80)

FINISH
See rim options on page 130

CONSTRUCTION
Body - Polycarbonate
Diffuser - Opal polycarbonate

CODE	DESCRIPTION	WATT	LUMENS
JC**23341WOP**	RadiaLED® Optimum	14W	1100
JC**23341WOPPC**	RadiaLED® Optimum c/w on/off photocell	14W	1100
JC**23343WOP**	RadiaLED® Optimum c/w microwave dimming	14W	1100
JC**23342WOP**	RadiaLED® Optimum emergency	14W	1100
JC**23342WOPPC**	RadiaLED® Optimum c/w on/off photocell emergency	14W	1100
JC**23344WOP**	RadiaLED® Optimum c/w microwave on/off sensor emergency	14W	1100

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.



NEW VARIANTS

RadiaLED Optimum

50% energy saving against 38W 2D fluorescent

10 year Extended warranty*

Emergency Versions available

Microwave Sensor available

Photocell Options available

- 84 lumens per circuit Watt
- IP65 weather resistant, anti-vandal construction
- IK09 impact rating
- Instant start up time, no warm up time
- Twin conduit side entry points
- Designed to be used in conjunction with 8W and 14W RadiaLED® Optimum
- Available with seven rim accessories
- NEW dusk to dawn on/off photocell

CLASSIFICATION
Class 1
IP65 | 240V | IK09

LED

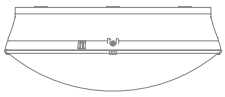
4000K

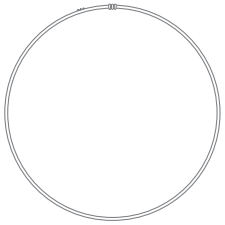
4000K | CRI: Ra (80)

FINISH
See rim options on page 130

CONSTRUCTION
Body - Polycarbonate
Diffuser - Opal polycarbonate

JC23351





CODE	DESCRIPTION	WATT	LUMENS
JC**23351WOP**	RadiaLED® Optimum	19W	1600
JC**23351WOPPC**	RadiaLED® Optimum c/w on/off photocell	19W	1600
JC**23353WOP**	RadiaLED® Optimum c/w microwave on/off sensor	19W	1600
JC**23352WOP**	RadiaLED® Optimum emergency	19W	1600
JC**23352WOPPC**	RadiaLED® Optimum c/w on/off photocell emergency	19W	1600
JC**23354WOP**	RadiaLED® Optimum c/w microwave on/off sensor emergency	19W	1600

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

RadiaLED Optimum Rims

NEW VARIANTS

Rim accessories to compliment RadiaLED® Optimum

- Rim options for final colour and decoration of RadiaLED® Optimum bulkheads
- Matching finish and construction for both 8W, 14W and 19W versions
- Twin conduit entry points

BLACK

CHROME

WHITE

SATIN CHROME

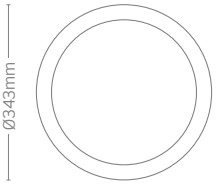
ANTIQUE BRASS

SATIN SILVER

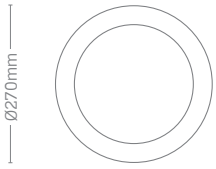
BLACK NICKEL

CODE	DESCRIPTION	FINISH
JC**23330BLK**	RadiaLED® Optimum 8W accessory rim	Black
JC**23330CH**	RadiaLED® Optimum 8W accessory rim	Chrome
JC**23330WH**	RadiaLED® Optimum 8W accessory rim	White
JC**23330SCH**	RadiaLED® Optimum 8W accessory rim	Satin Chrome
JC**23330BLN**	RadiaLED® Optimum 8W accessory rim	Black Nickel
JC**23330AB**	RadiaLED® Optimum 8W accessory rim	Antique Brass
JC**23330SAS**	RadiaLED® Optimum 8W accessory rim	Satin Silver
JC**23340BLK**	RadiaLED® Optimum 14W & 19W accessory rim	Black
JC**23340CH**	RadiaLED® Optimum 14W & 19W accessory rim	Chrome
JC**23340WH**	RadiaLED® Optimum 14W & 19W accessory rim	White
JC**23340SCH**	RadiaLED® Optimum 14W & 19W accessory rim	Satin Chrome
JC**23340BLN**	RadiaLED® Optimum 14W & 19Waccessory rim	Black Nickel
JC**23340AB**	RadiaLED® Optimum 14W & 19W accessory rim	Antique Brass
JC**23340SAS**	RadiaLED® Optimum 14W & 19W accessory rim	Satin Silver

14W/19W RIM



8W RIM



RadiaLED® Utility

Reliability & performance that exceeds traditional 2D

UP TO
60 LPCW
LUMENS PER CIRCUIT WATT

UP TO
1,370
LUMENS

EXTENDED
5 YEAR
WARRANTY

BASE
The RadiaLED® polycarbonate base has been specifically designed to accommodate the JCC emergency unit

LIGHT REFLECTOR PANEL
The radial reflector ensures that the light is distributed evenly across the fitting

DURABLE POLYCARBONATE DIFFUSER
Our RadiaLED® products come with the highest quality polycarbonate diffusers for maximum durability

HEAT SINK
RadiaLED® Utility's specially engineered aluminium heat sink effectively draws heat away from the LED chips and helps prolong the life of the fitting

RADIAL LED ARRAY
The unique LED array creates even light transmission and avoids any unsightly 2D lamps or hotspots

✓ Even light distribution

✗ No LED hotspots

✗ No unsightly 2D lamp

The light emitted from RadiaLED®, spreads evenly across the reflector before being dispersed smoothly through the polycarbonate diffuser, giving a completely uniform light transmission.

NEW VARIANTS

RadiaLED Utility

The direct 16W and 28W 2D replacements

5 year Extended warranty*

Emergency Versions available

Microwave Sensor available

Dimmable Options

- Outperforms 16W and 28W CFL
- IP65 weather resistant, anti-vandal construction
- Instant start up, no warm up time
- LED not affected by on/off switching
- Corrosion resistant suitable for coastal locations
- Opal or prismatic polycarbonate diffuser options
- IK09 impact rating
- NEW dusk to dawn on/off photocell

JC23201WPR

JC23202WOP

CLASSIFICATION
Class 1
IP65 | 240V | IK09

LED

4000K | CRI: Ra (80)

FINISH
White

WOP - Opal diffuser
WPR - Prismatic diffuser

CONSTRUCTION
Body – Polycarbonate
Diffuser - Polycarbonate

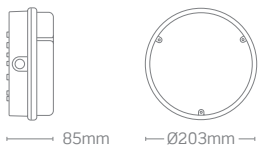
TWIN CONDUIT ENTRY POINTS FOR EASE OF INSTALLATION

WHEN ORDERING PHOTOCELL
Please select 'WOP' or 'WPR' and then add 'PC' suffix to the code

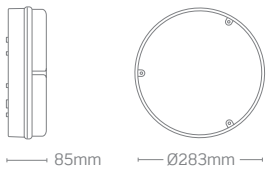
CODE	DESCRIPTION	WATT	LUMENS (WOP)	LUMENS (WPR)
JC**23201**	RadiaLED® Utility	14W	560	790
JC**23201PC**	RadiaLED® Utility dusk to dawn on/off photocell	14W	560	790
JC**23211**	RadiaLED® Utility c/w microwave on/off sensor	14W	560	790
JC**23221**	RadiaLED® Utility c/w microwave dimming	14W	560	790
JC**23202**	RadiaLED® Utility	23W	915	1370
JC**23202PC**	RadiaLED® Utility dusk to dawn on/off photocell	23W	915	1370
JC**23212**	RadiaLED® Utility c/w microwave on/off sensor	23W	915	1370
JC**23222**	RadiaLED® Utility c/w microwave dimming	23W	915	1370
JC**23210**	RadiaLED® Utility emergency	14W	560	790
JC**23210PC**	RadiaLED® Utility dusk to dawn on/off photocell emergency	14W	560	790
JC**23214**	RadiaLED® Utility c/w microwave on/off sensor emergency	14W	560	790
JC**23203**	RadiaLED® Utility emergency	23W	915	1370
JC**23203PC**	RadiaLED® Utility dusk to dawn on/off photocell emergency	23W	915	1370
JC**23213**	RadiaLED® Utility c/w microwave on/off sensor emergency	23W	915	1370
JC**23223**	RadiaLED® Utility c/w microwave dimming emergency	23W	915	1370

*Requires online registration.

14W



23W



RadiaLED® Style

Up to 3 times as efficient as traditional 2D

UP TO
91 LPCW
LUMENS PER CIRCUIT WATT

UP TO
2,900
LUMENS

EXTENDED
5 YEAR
WARRANTY

The practical solution to the issues of 2D

LONG LIFE
The life of traditional 2D lamps is shortened by continuous switching on and off. The 30,000 hour life of RadiaLED® is not affected by frequent switching.

EMERGENCY
RadiaLED® products have been specifically designed to accommodate the JCC emergency unit.

INSTANT START-UP
RadiaLED® produces light as soon as it's switched on. Traditional 2D lamps have a much lower start-up time and will ultimately fail with frequent switching.

MICROWAVE
For optimum energy saving, RadiaLED® is available with an integral microwave sensor. Activated by both movement and daylight, RadiaLED® remains on only when required, switching off or dimming when the room is unoccupied or when daylight increases.

✓ Even light distribution

✗ No unsightly 2D lamp

✗ No LED hotspots

CLASSIFICATION
Class 1
IP44 | 240V | IK09

LED

4000K

4000K | CRI: Ra (80)

FINISH
White

CONSTRUCTION
Body - Mild steel
Diffuser - Opal polycarbonate

RadiaLED Style

High performance LED wall & ceiling lights

5 year Extended warranty*

Emergency Versions available

Microwave Sensor available

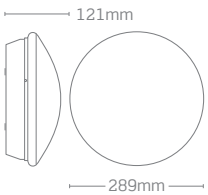
Dimmable Options

- 16W and 28W CFL replacements
- Outstanding efficiency with up to 64 lumens per circuit watt
- IP44 protection against dust and moisture
- Performs well at low temperatures
- Ideal for corridors and stairwells
- Suitable for corridor and stairwell applications
- IK09 impact rating

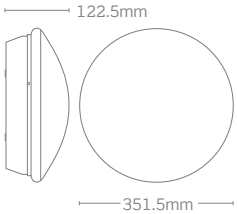
JC23205WOP

JC23207WOP

16W



21W



CODE	DESCRIPTION	WATT	LUMENS
JC**23205**	RadiaLED® Style	16W	1025
JC**23215**	RadiaLED® Style c/w microwave on/off sensor	16W	1025
JC**23225**	RadiaLED® Style c/w microwave dimming	16W	1025
JC**23207**	RadiaLED® Style	21W	1250
JC**23217**	RadiaLED® Style c/w microwave on/off sensor	21W	1250
JC**23227**	RadiaLED® Style c/w microwave dimming	21W	1250
JC**23209**	RadiaLED® Style emergency	21W	1250
JC**23219**	RadiaLED® Style c/w microwave on/off sensor emergency	21W	1250
JC**23229**	RadiaLED® Style c/w microwave dimming emergency	21W	1250

*Requires online registration.

RadiaLED Style

NEW VARIANT

Available Nov '16

High performance LED wall light

5 year
Extended warranty*

Emergency
Versions available

Microwave
Sensor available

Dimmable
Options

- Outperforms traditional 38W CFL
- Up to 90 lumens per circuit Watt
- IK09 impact rating
- Ideal for mounting on high ceilings, in corridors and stairwells
- IP44 protection against dust and moisture
- Available in emergency variants
- Available with microwave on/off sensors

JC23231WOP

CLASSIFICATION
Class 1
IP44 | 240V | IK09

LED

4000K

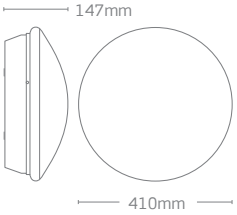
4000K | CRI: Ra (80)

FINISH
White

CONSTRUCTION
Body – Mild steel
Diffuser - Opal polycarbonate

CODE	DESCRIPTION	WATT	LUMENS
JC**23232**	RadiaLED® Style	32W	2900
JC**23232EM**	RadiaLED® Style emergency	32W	2900
JC**23232MW**	RadiaLED® Style c/w microwave on/off sensor	32W	2900
JC**23232MWEM**	RadiaLED® Style c/w microwave on/off sensor emergency	32W	2900

*Requires online registration.



NEW PRODUCT

Available Nov '16

RadiaLED Style Slim

High performance, slim profile LED wall light

5 year
Extended warranty*

Emergency
Versions available

- 16W, 28W and 38W CFL replacements
- Outstanding efficiency with up to 90 lumens per circuit watt
- Like-for-like retrofit
- Suitable for corridor and stairwell applications
- IK09 impact rating

CLASSIFICATION
Class 1
IP20 | 240V | IK09

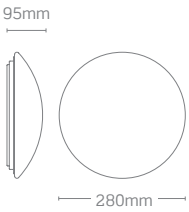
LED
4000K

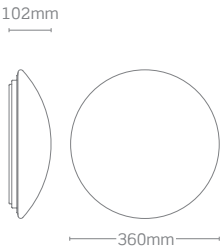
4000K | CRI: Ra (80)

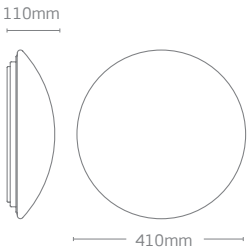
FINISH
White

CONSTRUCTION
Body - Mild steel
Diffuser - Opal polycarbonate

JC23230

12W


18W


32W


CODE	DESCRIPTION	WATT	LUMENS
JC**23240**	RadiaLED® Style Slim	12W	1050
JC**23241**	RadiaLED® Style Slim	18W	1500
JC**23242**	RadiaLED® Style Slim	32W	2900
JC**23240EM**	RadiaLED® Style Slim emergency	12W	1050
JC**23241EM**	RadiaLED® Style Slim emergency	18W	1500
JC**23242EM**	RadiaLED® Style Slim emergency	32W	2900

*Requires online registration.

RadiaLED® Vogue

Up to twice as bright as traditional CFL

UP TO
58 LPCW
LUMENS PER CIRCUIT WATT

UP TO
2,080
LUMENS

EXTENDED
5 YEAR
WARRANTY

Stylish design

With RadiaLED® Vogue's decorative chrome and white rims, it makes it the ideal fitting to illuminate corridors, stairwells and other amenity areas.

Even light distribution

No unsightly 2D lamp

No LED hotspots

Backlit halo illumination

RadiaLED® Vogue's back illuminated feature emits a halo of light behind the rim, which allows you to accent walls with soft pools of light.

CLASSIFICATION
Class 1
IP40 | 240V

LED

4000K

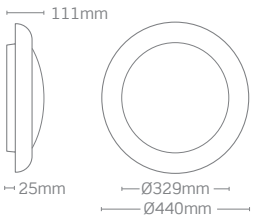
4000K | CRI: Ra (80)

FINISH
Chrome, white

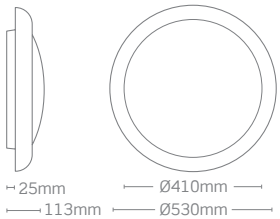
CONSTRUCTION
Body - Polycarbonate
Diffuser - Opal polycarbonate
Rim - Pressed steel

WHITE
Use WH suffix when ordering

23W



36W



RadiaLED Vogue

High performance LED wall and ceiling light

5 year
Extended warranty*

Emergency
Versions available

Microwave
Sensor available

- 38W 2D and 2x26W CFL equivalents
- Stylish high output wall or ceiling light
- Surface luminaire with high quality decorative rim
- Twin conduit entry points
- Ideal for corridors, stairwells and other amenity applications
- Available in chrome or white finishes

JC96311CH
(Chrome)

CODE	DESCRIPTION	WATT	LUMENS
JC**96311**	RadiaLED® Vogue	23W	1215
JC**96313**	RadiaLED® Vogue	36W	2080
JC**96317**	RadiaLED® Vogue c/w microwave on/off sensor	36W	2080
JC**96312**	RadiaLED® Vogue emergency	23W	1215
JC**96314**	RadiaLED® Vogue emergency	36W	2080

*Requires online registration.

RadiaLED® Element

Up to 30% energy saving against 28W 2D

UP TO
51 LPCW
LUMENS PER CIRCUIT WATT

UP TO
1,015
LUMENS

EXTENDED
5 YEAR
WARRANTY

Stylish design with a range of accessories

High quality rim and eyelid accessories for RadiaLED® Element

BASE
Code - JC23026

EYELID ACCESSORIES
Codes - JC23016/17

SILVER ACCESSORIES
Codes - JC23018/19

CHROME ACCESSORY
Code - JC23019

Two depths

Eyelid and silver accessories are available in shallow and deep sizes

Shallow rims allow for use with conduit entry points

The practical solution to the issues of 2D

LONG LIFE

The life of traditional 2D lamps is shortened by continuous on and off switching. The 30,000 hour life of RadiaLED® is not affected by switching frequently.

INSTANT START-UP

RadiaLED® produces light as soon as it's switched on. Traditional 2D lamps have a much longer start-up time and will ultimately fail with frequent switching.

EMERGENCY

RadiaLED® products have been specifically designed to accommodate the JCC emergency unit.

MICROWAVE

For optimum energy saving, RadiaLED® products are available with an integral microwave sensor. Activated by both movement and daylight.

CLASSIFICATION
Class 1
IP65 | 240V

LED

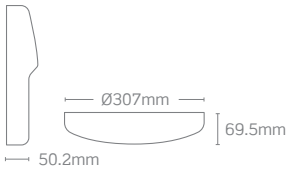
4000K

4000K | CRI: Ra (80)

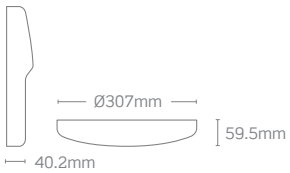
FINISH
See decorative rims

CONSTRUCTION
Body - Polycarbonate
Diffuser - Opal polycarbonate
Rim - Polycarbonate textured finish
UV stabilised

JC23016



JC23017



JC23018

JC23019

JC23026

RadiaLED Element

28W 2D replacement

5 year
Extended warranty*

Emergency
Version available

Microwave
Sensor available

Dimmable
Options

- Stylish high output wall or ceiling light
- IP65 weather resistant
- Twin conduit entry points
- Ideal for corridors, stairwells and other amenity applications
- Decorative rims available

JC23026

CODE	DESCRIPTION	WATT	LUMENS
JC**23026**	RadiaLED® Element	20W	1015
JC**23027**	RadiaLED® Element emergency	20W	1015
JC**23028**	RadiaLED® Element c/w microwave sensor	20W	1015
JC**23029**	RadiaLED® Element c/w microwave dimming	20W	1015
JC**23016BLK**	RadiaLED® Element deep eyelid attachment	-	-
JC**23017BLK**	RadiaLED® Element shallow eyelid attachment	-	-
JC**23018SIL**	RadiaLED® Element deep decorative rim	-	-
JC**23019CH**	RadiaLED® Element shallow decorative rim	-	-
JC**23019SIL**	RadiaLED® Element shallow decorative rim	-	-

*Requires online registration.

NiteLED Wall Sphere

Ultra durable exterior LED lighting

2 year
Product guarantee

- LED wall light with matching colour temperature and finish to the NiteLED™ range
- 40% energy saving against 16W 2D CFL
- Low energy 10W LED
- IP54 protection against dust and moisture
- Ultra durable aluminium construction

JC39418

CLASSIFICATION
Class 1
IP54 | 240V

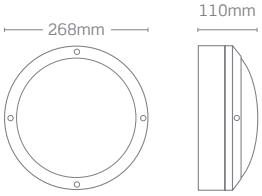
LED

4000K

4000K | CRI: Ra (80)

FINISH
Anthracite

CONSTRUCTION
Body - Die-cast aluminium
Diffuser - Opal polycarbonate



CODE	DESCRIPTION	WATT	LUMENS
JC**39418**	NiteLED™ Wall Sphere	10W	600

CLASSIFICATION
Class 1
IP65 | 240V

LAMP (NOT INCLUDED)
Halogen 42W E27 (GLS) MAX
TC-S 9W G23

FINISH
Grey

CONSTRUCTION
Body - Aluminium
Diffuser - Prismatic polycarbonate

Note: When mounting horizontally, do not exceed 42W halogen

Astra Wall Light

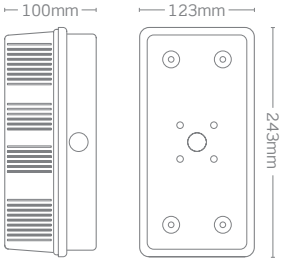
Cost effective bulkhead light with IP65 protection

2 year
Product guarantee

- Impact resistant construction
- Available with photocell

JC40007CL

JC40007RD



CODE	DESCRIPTION	LAMP
JC**40007CL**	Astra with clear diffuser	Halogen 42W (GLS) MAX
JC**40007RD**	Astra with red diffuser	Halogen 42W (GLS) MAX
JC**40009CL**	Astra low energy with clear diffuser	TC-S 9W x2
JC**40010CL**	Astra low energy with clear diffuser c/w photocell	TC-S 9W

NiteLED™

Ultra durable exterior LED lighting

UP TO
90 LPCW
LUMENS PER CIRCUIT WATT

UP TO
900
LUMENS

MATCHING FITTINGS

The NiteLED™ range offers matching bollards, wall lights and ground lights, whilst offering matching colour temperatures and finishes.

INSTANT START-UP

NiteLED™ produces light as soon as it's switched on. Traditional lamps have a much slower startup time and will ultimately fail with frequent switching.

ALL WEATHER PROTECTION

The supreme quality of the NiteLED™ range is shown through a minimum IP44 rating, which provides excellent protection against dust and moisture, combined with a high quality paint finish.

PERFORMS WELL AT LOW TEMPERATURES

NiteLED™ starts instantly even in the coldest conditions. The life of many traditional lamps are not only shortened by low temperatures but the start-up time is also increased.

DURABLE CONSTRUCTION

The NiteLED™ range has been designed using high quality die cast aluminium and marine grade, low carbon stainless steel in order to minimise corrosion and extend product life.

SENSOR COMPATIBLE

Suitable for connection to PIR, microwave sensors or photocells.

CLASSIFICATION
Class 1
IP65 | 240V

LED

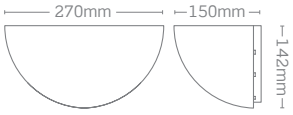
4000K

4000K | CRI: Ra (80)

FINISH
Anthracite

CONSTRUCTION
Body - Aluminium
Diffuser - Polycarbonate

MATCHING BOLLARD
See page 210



NiteLED Quarter Sphere

High efficiency LED exterior lighting

2 year
Product guarantee

Matching bollard
See page 210

- LED wall light with matching colour temperature and finish to the NiteLED™ range
- Low energy 10.5W LED
- IP65 weather resistant
- Durable aluminium construction
- Instant start up, no warm up time
- Zero maintenance, no need to relamp
- Can be used as an uplight or downlight

JC39408

CODE	DESCRIPTION	WATT	LUMENS
JC**39408**	NiteLED™ Quarter Sphere wall light	10.5W	900

NiteLED Wall Curve

High efficiency LED exterior lighting

2 year
Product guarantee

Matching bollard
See page 212

- LED wall light with matching colour temperature and finish to the NiteLED™ range
- Ultra low energy 5W LED
- IP54 protection against dust and moisture
- Durable aluminium construction
- Instant start up, no warm up time
- Zero maintenance, no need to relamp

JC39409

CLASSIFICATION
Class 1
IP54 | 240V

LED

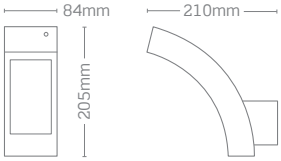
4000K

4000K | CRI: Ra (80)

FINISH
Anthracite

CONSTRUCTION
Body – Aluminium
Diffuser - Frosted polycarbionate

MATCHING BOLLARD
See page 212



CODE	DESCRIPTION	WATT	LUMENS
JC**39409**	NiteLED™ Wall Curve	5W	350

NiteLED Wall Slim

High efficiency LED exterior lighting

2 year
Product guarantee

Matching bollard
See page 213

- LED wall light with matching colour temperature and finish to the NiteLED™ range
- Ultra low energy 6W LED
- IP54 protection against dust and moisture
- Durable aluminium construction
- Instant start up, no warm up time
- Zero maintenance, no need to relamp

CLASSIFICATION
Class 1
IP54 | 240V

LED

4000K

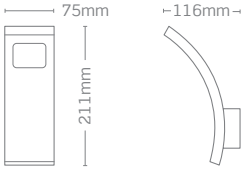
4000K | CRI: Ra (80)

FINISH
Anthracite

CONSTRUCTION
Body - Aluminium
Diffuser - Frosted polycarbonate

MATCHING BOLLARD
See page 213

JC39410



CODE	DESCRIPTION	WATT	LUMENS
JC**39410**	NiteLED™ Wall Slim	6W	420

NiteLED Wall Bar

High efficiency LED exterior lighting

2 year
Product guarantee

Matching bollard
See page 212

- LED wall light with matching colour temperature and finish to the NiteLED™ range
- Ultra low energy 5W LED
- IP54 protection against dust and moisture
- Durable aluminium construction
- Instant start up, no warm up time
- Zero maintenance, no need to relamp

JC39411

CLASSIFICATION
Class 1
IP54 | 240V

LED

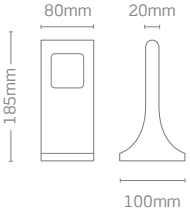
4000K

4000K | CRI: Ra (80)

FINISH
Anthracite

CONSTRUCTION
Body – Aluminium
Diffuser - Frosted polycarbonate

MATCHING BOLLARD
See page 212



CODE	DESCRIPTION	WATT	LUMENS
JC**39411**	NiteLED™ Wall Bar	5W	320

CLASSIFICATION
Class 1
IP54 | 240V

LED

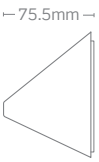
4000K

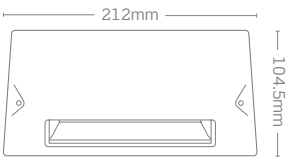
4000K | CRI: Ra (80)

FINISH
Anthracite

CONSTRUCTION
Body - Aluminium
Diffuser - Frosted polycarbonate

MATCHING BOLLARD
See page 213





NiteLED Wall Wedge

High efficiency LED exterior lighting

2 year
Product guarantee

Matching bollard
See page 213

- LED wall light with matching colour temperature and finish to the NiteLED™ range
- Ultra low energy 3W LED
- IP54 protection against dust and moisture
- Durable aluminium construction
- Instant start up, no warm up time
- Zero maintenance, no need to relamp

JC39406

CODE	DESCRIPTION	WATT	LUMENS
JC**39406**	NiteLED™ Wall Wedge	3W	150

NiteLED Wall Arc

High efficiency LED exterior lighting

2 year
Product guarantee

Matching bollard
See page 213

- LED wall light with matching colour temperature and finish to the NiteLED™ range
- Ultra low energy 3W LED
- IP54 protection against dust and moisture
- Durable aluminium construction
- Instant start up, no warm up time
- Zero maintenance, no need to relamp

JC39407

CLASSIFICATION
Class 1
IP54 | 240V

LED

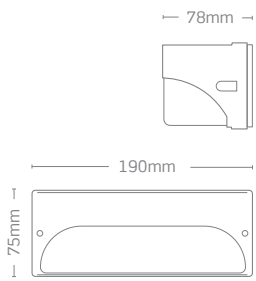
4000K

4000K | CRI: Ra (80)

FINISH
Anthracite

CONSTRUCTION
Body - Aluminium
Diffuser - Clear polycarbonate

MATCHING BOLLARD
See page 213



CODE	DESCRIPTION	WATT	LUMENS
JC**39407**	NiteLED™ Wall Arc	3W	150

CLASSIFICATION
Class 1
IP54 | 240V

LED

4000K

4000K | CRI: Ra (80)

FINISH
Anthracite

CONSTRUCTION
Body - Aluminium
Diffuser - Opal polycarbonate

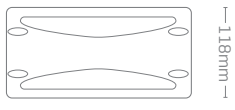
NiteLED Wall Crescent

High efficiency LED exterior lighting

2 year
Product guarantee

- LED wall light with matching colour temperature and finish to the NiteLED™ range
- Low energy 8.5W LED
- IP54 protection against dust and moisture
- Durable aluminium construction
- Instant start up, no warm up time
- Zero maintenance, no need to relamp

JC39416



CODE	DESCRIPTION	WATT	LUMENS
JC**39416**	NiteLED™ Wall Crescent	8.5W	300

NiteLED Dome Wall Light

High efficiency LED exterior lighting

2 year
Product guarantee

Matching bollard
See page 216-217

- Direct 42W halogen GLS replacement
- 8.5W mains driven LED, no driver required
- Zero maintenance, no need to relamp
- Louvered diffuser configuration ideal for highlighting in car parks and illuminating walkways
- Plain diffuser for a wider spread of light
- Modern wall light range, ideal for both domestic and commercial amenity lighting

JC39428SS

JC39429SS

CLASSIFICATION
Class 1
IP44 | 240V

LED

4000K

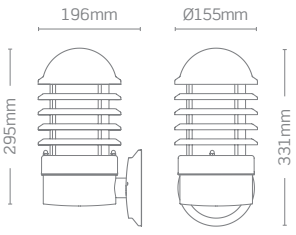
4000K | CRI: Ra (80)

FINISH
Stainless steel

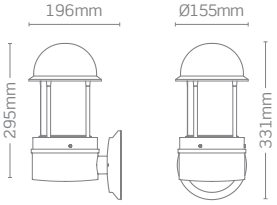
CONSTRUCTION
Body - AISI 316L Stainless steel
Diffuser - Opal polycarbonate

MATCHING BOLLARD
See page 216-217

JC39428SS



JC39429SS



CODE	DESCRIPTION	WATT	LUMENS
JC**39428SS**	NiteLED™ Dome wall light louvred	8.5W	200
JC**39429SS**	NiteLED™ Dome wall light plain	8.5W	200

NiteLED Dome Wall Light

High efficiency LED exterior lighting

2 year
Product guarantee

Matching bollard
See page 214-215

- Direct 42W halogen GLS replacement
- 8.5W mains driven LED, no driver required
- Zero maintenance, no need to relamp
- Louvered diffuser configuration ideal for highlighting in car parks and illuminating walkways
- Plain diffuser for a wider spread of light
- Modern wall light range, ideal for both domestic and commercial amenity lighting

CLASSIFICATION
Class 1
IP44 | 240V

LED

4000K

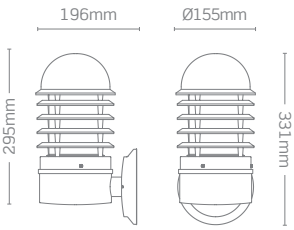
4000K | CRI: Ra (80)

FINISH
Black

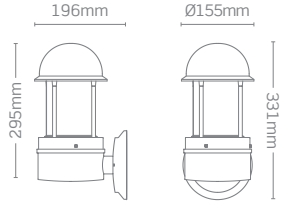
CONSTRUCTION
Body - Die-cast aluminium
Diffuser - Opal polycarbonate

MATCHING BOLLARD
See page 214-215

JC39428BLK



JC39429BLK



JC39428BLK

JC39429BLK

CODE	DESCRIPTION	WATT	LUMENS
JC**39428BLK**	NiteLED™ Dome wall light louvred	8.5W	200
JC**39429BLK**	NiteLED™ Dome wall light plain	8.5W	200

Ceramic Uplighters

NEW PRODUCT

LED ceramic wall lights

5 year
Extended warranty*

2 year
Product guarantee

- NEW 9W mains LED versions available
- Over 80% energy saving on LED versions compared with halogen 42W GLS
- 5 year domestic warranty (LED versions only)
- Ready to paint, glazed finish
- Halogen versions dimmable as standard

JC90122 Elmer

JC90124 Hayling

CLASSIFICATION
Class1 (LED)
Class 2 (Halogen)
IP20 | 240V

LED

3000K

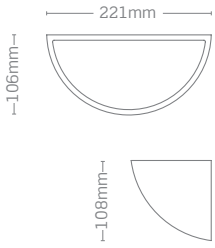
3000K | CRI: Ra (83)
(JC90122/4 only)

LAMP
42W halogen ES E27
(JC90121/3 only)

FINISH
White

CONSTRUCTION
Body - Glazed ceramic

ELMER



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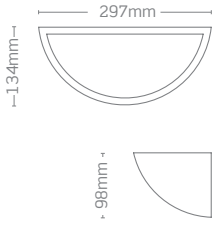


CODE	DESCRIPTION	LAMP	WATT	LUMENS
JC**90122**	Elmer LED Ceramic Uplighter	-	9W	580
JC**90124**	Hayling LED Ceramic Uplighter	-	9W	540
JC**90121**	Elmer Ceramic Uplighter	42W halogen ES E27	-	-
JC**90123**	Hayling Ceramic Uplighter	42W halogen ES E27	-	-

*5 year extended warranty. Requires online registration. LED variants only.

NEW PRODUCT

Ceramic Uplighters

LED ceramic wall lights

5 year
Extended warranty*

2 year
Product guarantee

- NEW 8.5W mains LED versions available
- Over 75% energy saving on LED versions compared with halogen 42W GLS
- 5 year domestic warranty (LED versions only)
- Ready to paint, glazed finish
- Halogen versions dimmable as standard

CLASSIFICATION
Class 1(LED)
Class 2 (Halogen)
IP20 | 240V

LED

3000K

3000K | CRI: Ra (83)
(JC90126/8 only)

LAMP
42W halogen ES E27
(JC90125/7 only)

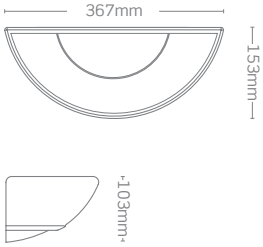
FINISH
White

CONSTRUCTION
Body - Glazed ceramic

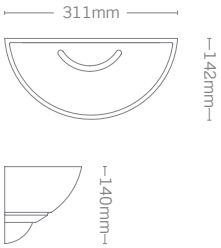
JC90126 Middleton

JC90128 Emsworth

MIDDLETON



EMSWORTH



CODE	DESCRIPTION	LAMP	WATT	LUMENS
JC**90126**	Middleton LED Ceramic Uplighter	-	9W	600
JC**90128**	Emsworth LED Ceramic Uplighter	-	9W	550
JC**90125**	Middleton Ceramic Uplighter	42W halogen ES E27	-	-
JC**90127**	Emsworth Ceramic Uplighter	42W halogen ES E27	-	-

*5 year extended warranty. Requires online registration. LED variants only.

Elegenti LED Surface

LED decorative accent light

2 year
Product guarantee

- Wall and floor decorative LED feature luminaires
- Suitable for Zone 1 interior or exterior applications
- Multi-directional, high output fittings
- Cast aluminium
- Cool to touch
- LED driver bought separately

JC71130

CLASSIFICATION
Class 3
IP68 | 12V DC

LED

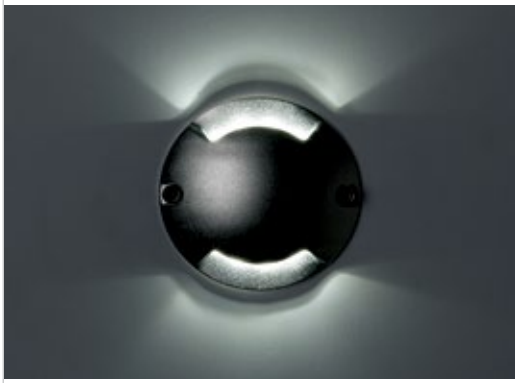
6000K

6000K | CRI: Ra (75)

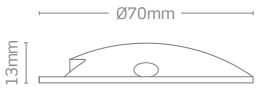
FINISH
Aluminium

CONSTRUCTION
Body - Cast aluminium

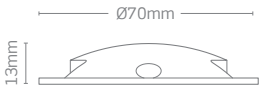
Number of units that can be connected in parallel (using a 12V 30W constant Voltage driver):
JC71130 - Up to 75
JC71132 - Up to 37
JC71134 - Up to 30



JC71130



JC71132



CODE	DESCRIPTION	WATT	LUMENS
JC**71130**	Elegenti LED Light one-way white	0.4W	20 (per head)
JC**71132**	Elegenti LED Light two-way white	0.8W	40 (per head)
JC**71134**	Elegenti LED Light four-way white	1W	60 (per head)

CLASSIFICATION
Class 1
IP44 | 240V | Zone 2

LAMP (NOT INCLUDED)
Halogen energy saver, 33W G9

FINISH
Chrome

CONSTRUCTION
Main body - Pressed mild steel
Diffuser - Opal glass/tempered

Bodo Wall Light

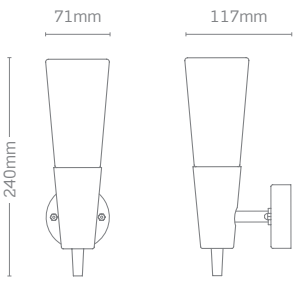
Decorative bathroom wall light

2 year
Product guarantee

Dimmable
As standard

- Halogen bathroom wall & ceiling light
- IP44 protected against moisture
- Dimmable as standard
- Lamp not included

JC52028



CODE	DESCRIPTION	LAMP
JC**52028**	Bodo wall light	Halogen energy saver 33W

Dorchester Wall Light

Halogen bathroom wall and ceiling light

2 year
Product guarantee

Dimmable
As standard

- IP44 protected against moisture
- Dimmable as standard
- Lamp not included

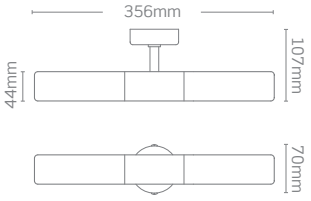
CLASSIFICATION
Class 1
IP44 | 240V | Zone 2

LAMP (NOT INCLUDED)
Halogen energy saver, 33W G9

FINISH
Chrome

CONSTRUCTION
Body - Mild steel/plated
Diffuser - Frosted glass/tempered

JC52024



CODE	DESCRIPTION	LAMP
JC**52024**	Dorchester double wall light	Halogen energy saver 33W x 2

Berkeley Wall Light

Fluorescent bathroom wall lights

2 year
Product guarantee

- IP44 protection against moisture
- Lamps included

CLASSIFICATION
Class 1
IP44 | 240V | Zone 2

LAMP (INCLUDED)

3000K

TC-L 18W 2G11 3000K CRI:Ra (85)
TC-L 24W 2G11 3000K CRI:Ra (85)

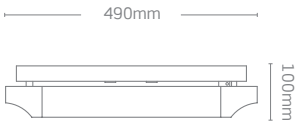
FINISH
Chrome

CONSTRUCTION
Body - Steel
Diffuser - Opal acrylic

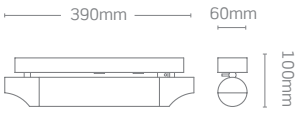
JC52026

JC52027

JC52026



JC52027



CODE	DESCRIPTION	LAMP
JC**52026**	Berkeley low energy wall light	TC-L 24W
JC**52027**	Berkeley low energy wall light	TC-L 18W

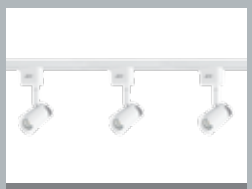
08

Track & Spotlight

JCC® | a LEVITON® company

162
STARSPOT™
500

163
STARSPOT™
600



164
STARSPOT™
500 LED TRACK KIT

165
STARSPOT™
1000 & 1500

167
STARSPOT™
3000

168
AZTEK
HALOGEN

169
AZTEK
LV HALOGEN

170
AZTEK
CDM-T

171
HALOGEN
TRACK KIT

172
SIGMA
SPOTLIGHT

173
STANDARD
SPOTLIGHT

174
SINGLE CIRCUIT
TRACK

175
SINGLE CIRCUIT
TRACK ACCESSORIES

176
THREE CIRCUIT
TRACK

177
STARSPOT™ 500
SURFACE – SINGLE

178
STARSPOT™ 500
SURFACE – TRIPLE BAR

179
STARSPOT™ 500
SURFACE – TRIPLE PLATE

180
ROYAL
SPOTLIGHT

181
BONITO
SPOTLIGHT

StarSpot 500

High performance LED spotlights

5 year
Extended warranty*

- Equivalent 50W halogen light output
- Over 80% energy saving against halogen
- Zero maintenance, no need to relamp
- Black and white finishes available

JC14202WH

CLASSIFICATION
Class 1
IP20 | 240V

LED

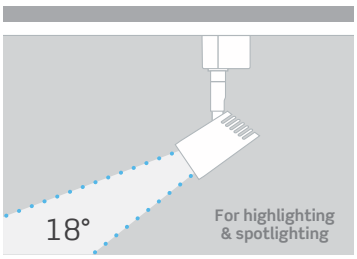
3000K 4000K

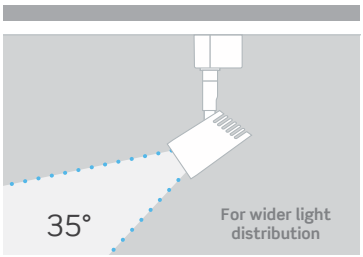
Warm white (3000K) | CRI: Ra (85)
Cool white (4000K) | CRI: Ra (85)

FINISH
Black, white

CONSTRUCTION
Body - Die-cast aluminium

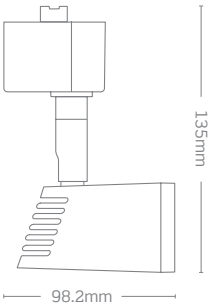
To convert any single circuit spotlight into a three circuit option, please order our adaptor JC88118.





CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**14206**	Starspot™ 500 18°	3000K	7W	450
JC**14207**	Starspot™ 500 18°	4000K	7W	480
JC**14202**	Starspot™ 500 35°	3000K	7W	450
JC**14203**	Starspot™ 500 35°	4000K	7W	480

*Requires online registration.



NEW PRODUCT

Available Dec '16

StarSpot 600

High performance dimmable LED spotlights

5 year
Extended warranty*

Dimmable
As standard

- Exceeds 50W halogen light output
- Triac dimmable LED track fitting
- Compatible with LED dimmer - see page 238
- 36° beam angle

CLASSIFICATION
Class 1
IP20 | 240V

LED
3000K 4000K

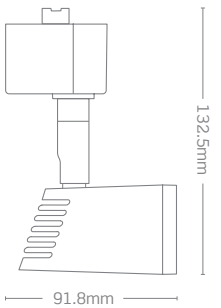
Warm white (3000K) | CRI: Ra (85)
Cool white (4000K) | CRI: Ra (85)

FINISH
Black, white

CONSTRUCTION
Body – Die-cast aluminium

COMPATIBLE LED DIMMER
See page 238

To convert any single circuit spotlight into a three circuit option, please order our adaptor JC88118.



CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**14222**	Starspot™ 600 36°	3000K	7W	580
JC**14223**	Starspot™ 600 36°	4000K	7W	600

*Requires online registration.

Starspot™ 500 Track Kit

High performance LED spotlights

5 year
Extended warranty*

- Track kit includes: 3 x StarSpot™ 500 spotlights, 1120mm track section and 86mm live end
- 20% greater light output than 50W GU10 halogen
- Over 80% energy saving against halogen
- Zero maintenance, no need to relamp

CLASSIFICATION
Class 1
IP20 | 240V

LED

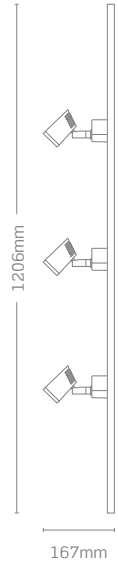
4000K

Cool white (4000K) | CRI: Ra (85)

FINISH
White

CONSTRUCTION
Body - Die-cast aluminium

JC14213WH



CODE	DESCRIPTION	WATT	LUMENS
JC**14213**	Starspot™ 500 Track Kit	7W (per fitting)	480

*Requires online registration.

StarSpot 1000 & 1500

High performance LED spotlights

5 year
Extended warranty*

- Life long consistent colour rendering
- No UV, ideal for retail application
- High performance COB LED module
- Instant start up, no warm up time
- 40° beam angle

JC14155WH

JC14156BLK

CLASSIFICATION
Class 1
IP20 | 240V

LED
3000K 4000K

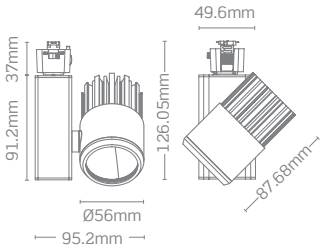
Warm white (3000K) | CRI: Ra (85)
Cool white (4000K) | CRI: Ra (85)

FINISH
Black, white

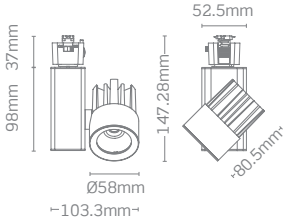
CONSTRUCTION
Body - Die-cast aluminium

To convert any single circuit spotlight into a three circuit option, please order our adaptor JC88118.

STARSPOT™ 1500



STARSPOT™ 1000



CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**14155**	Starspot™ 1000	4000K	15W	1000
JC**14154**	Starspot™ 1000	3000K	15W	900
JC**14156**	Starspot™ 1500	4000K	20W	1500
JC**14157**	Starspot™ 1500	3000K	20W	1300

*Requires online registration.

StarSpot™ 3000

Direct 35W CDM replacement

EFFICIENT
34W LED
TOTAL WATTAGE

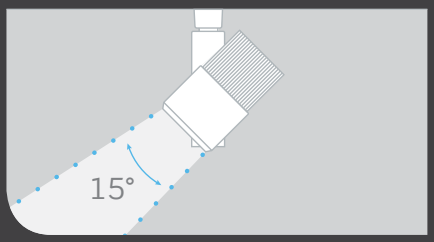
UP TO
88 LPCW
LUMENS PER CIRCUIT WATT

UP TO
3000
LUMENS

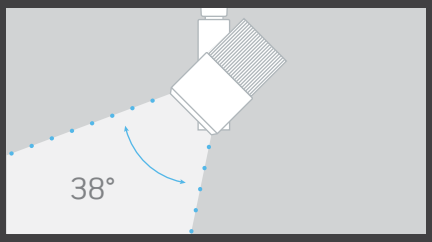
Two beam angles

StarSpot™ 3000 fittings are available in both 15° and 38° beam angles.

The 15° beam angle option allows you to highlight and spotlight whilst the 38° beam angle option allows for wider light distribution, making it the ideal choice for retail displays.



FOR HIGHLIGHTING AND SPOTLIGHTING



FOR WIDER LIGHT DISTRIBUTION

StarSpot 3000

High performance LED spotlights

5 year
Extended warranty*

- Exceeds 35W CDM light output
- Up to 88 lumens per circuit Watt
- Zero maintenance, no need to relamp
- No UV and virtually no radiated heat
- Instant start up, no warm up time
- Available in 15° and 38° beam angles

JC14200BLK

CLASSIFICATION
Class 1
IP20 | 240V

LED
3000K 4000K

Warm white (3000K) | CRI: Ra (85)
Cool white (4000K) | CRI: Ra (85)

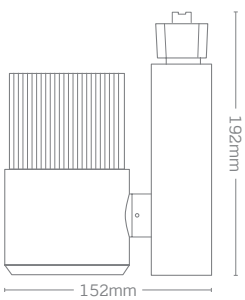
FINISH
Black, white

CONSTRUCTION
Body - Die-cast aluminium

To convert any single circuit spotlight into a three circuit option, please order our adaptor JC88118.

350° rotation

90° tilt



CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**14204**	Starspot™ 3000 15°	3000K	34W	2800
JC**14205**	Starspot™ 3000 15°	4000K	34W	3000
JC**14200**	Starspot™ 3000 38°	3000K	34W	2800
JC**14201**	Starspot™ 3000 38°	4000K	34W	3000

*Requires online registration.

Aztek Halogen

Halogen spotlights for mains halogen lamps

LED **LED equivalents**
See pages 162-165

- HiSpot ES111 lamps are designed to minimise glare with a built-in filament shield
- 180° tiltable and 350° rotatable
- Dimmable as standard
- Lamp not included

JC14102WH

JC14104WH

CLASSIFICATION
Class 1
IP20 | 240V

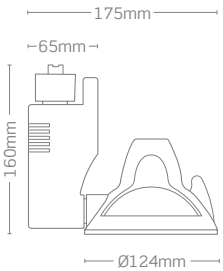
LAMP (NOT INCLUDED)
QPAR16 50W GU10
HiSpot ES111 75W GU10

FINISH
White

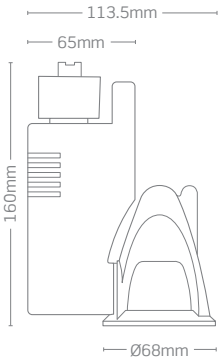
CONSTRUCTION
Body - Die-cast aluminium

To convert any single circuit spotlight into a three circuit option, please order our adaptor JC88118.

JC14104



JC14102



CODE	DESCRIPTION	LAMP
JC**14102**	Aztek track spot	QPAR16 50W
JC**14104**	Aztek track spot	HiSpot ES111 75W

Aztek Low Voltage Halogen

Low voltage spotlights with integral transformer

CLASSIFICATION
Class 1
IP20 | 240V

LAMP (NOT INCLUDED)
MR16 50W GU5.3
AR111 50W G53
Not for use with dimmers

FINISH
Black, white

CONSTRUCTION
Body - Die-cast aluminium

To convert any single circuit spotlight into a three circuit option, please order our adaptor JC88118.

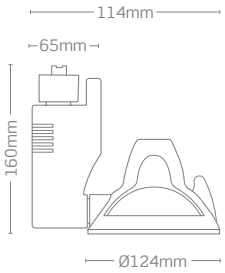
LED equivalents
See pages 162-165

- 180° tiltable and 350° rotatable
- Non-dimmable
- Lamp not included

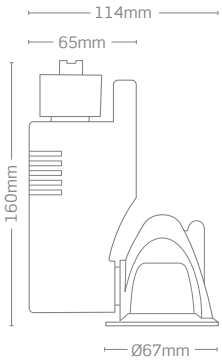
JC14108WH

JC14109WH

JC14109



JC14108



CODE	DESCRIPTION	LAMP
JC**14108**	Aztek track spot	MR16 50W
JC**14109**	Aztek track spot	AR111 50W

Aztek CDM-T

Spotlights for G12 ceramic metal halide lamps

LED **LED equivalents**
See page 167

- 180° tiltable and 350° rotatable
- 60° beam angle
- Non-dimmable
- Lamp not included

JC14112WH

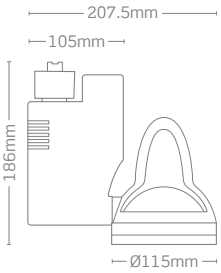
CLASSIFICATION
Class 1
IP20 | 240V

LAMP (NOT INCLUDED)
CDM-T 35W G12

FINISH
White

CONSTRUCTION
Body – Die-cast aluminium

To convert any single circuit spotlight into a three circuit option, please order our adaptor JC88118.



CODE	DESCRIPTION	LAMP
JC**14112**	Aztek track spotlight - 60° beam	CDM-T 35W

CLASSIFICATION
Class 1
IP20 | 240V

LAMP (NOT INCLUDED)
QPAR16 50W GU10

FINISH
Black, white

CONSTRUCTION
Track - Extruded aluminium
Fitting - Mild steel

Additional fittings can be added if required. Order code JC14032, see page 173.

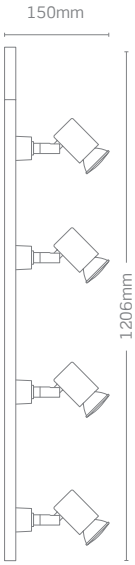
Halogen Track Kit

50W halogen track kit with four spotlights

LED equivalents See page 166
More options See page 164
Dimmable As standard

- Complete kit with 1120mm track, 86mm power feed and spotlights
- Dimmable as standard
- 38° beam angle
- Lamp not included

JC14048



CODE	DESCRIPTION	LAMP
JC**14048**	Halogen kit with four spotlights	QPAR16 50W x 4

Sigma Spotlight

Halogen track fitting

Dimmable
As standard

- 50W halogen track spotlights
- Dimmable as standard
- Lamp not included

JC14044BL

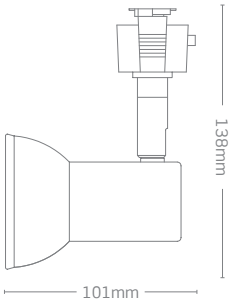
CLASSIFICATION
Class 1
IP20 | 240V

LAMP (NOT INCLUDED)
QPAR16 50W GU10

FINISH
Black, white

CONSTRUCTION
Body - Mild steel

To convert any single circuit spotlight into a three circuit option, please order our adaptor JC88118.



CODE	DESCRIPTION	LAMP
JC**14044**	Sigma track spotlight	QPAR16 50W

CLASSIFICATION
Class 1
IP20 | 240V

LAMP (NOT INCLUDED)
QPAR16 50W GU10

FINISH
Black, silver, white

CONSTRUCTION
Body - Mild steel

To convert any single circuit spotlight into a three circuit option, please order our adaptor JC88118.

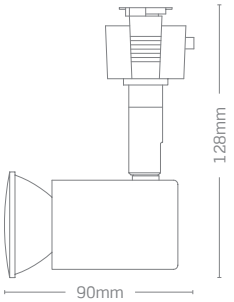
Standard Spotlight

Standard 50W halogen track fitting

Dimmable
As standard

- 50W halogen track spotlights
- Dimmable as standard
- Lamp not included

JC14032SIL



CODE	DESCRIPTION	LAMP
JC**14032**	Standard track spotlight	QPAR16 50W

Single circuit Track

Single circuit track with range of accessories

Accessories
See page 175

- Compatible with all JCC single circuit spotlights
- Track may be cut to required length
- Supplied with end caps (3mm)

CLASSIFICATION
Class 1
IP20 | 240V | 16amp max

FINISH
Black, white

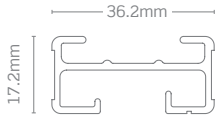
CONSTRUCTION
Track – Extruded aluminium
Fitting - Mild steel

16amp max load
Live end not supplied* -
See page 175
*Live feed required
JC14013 (86mm - fitted)
JC14009 (121mm - fitted)

JC14001
(510mm)

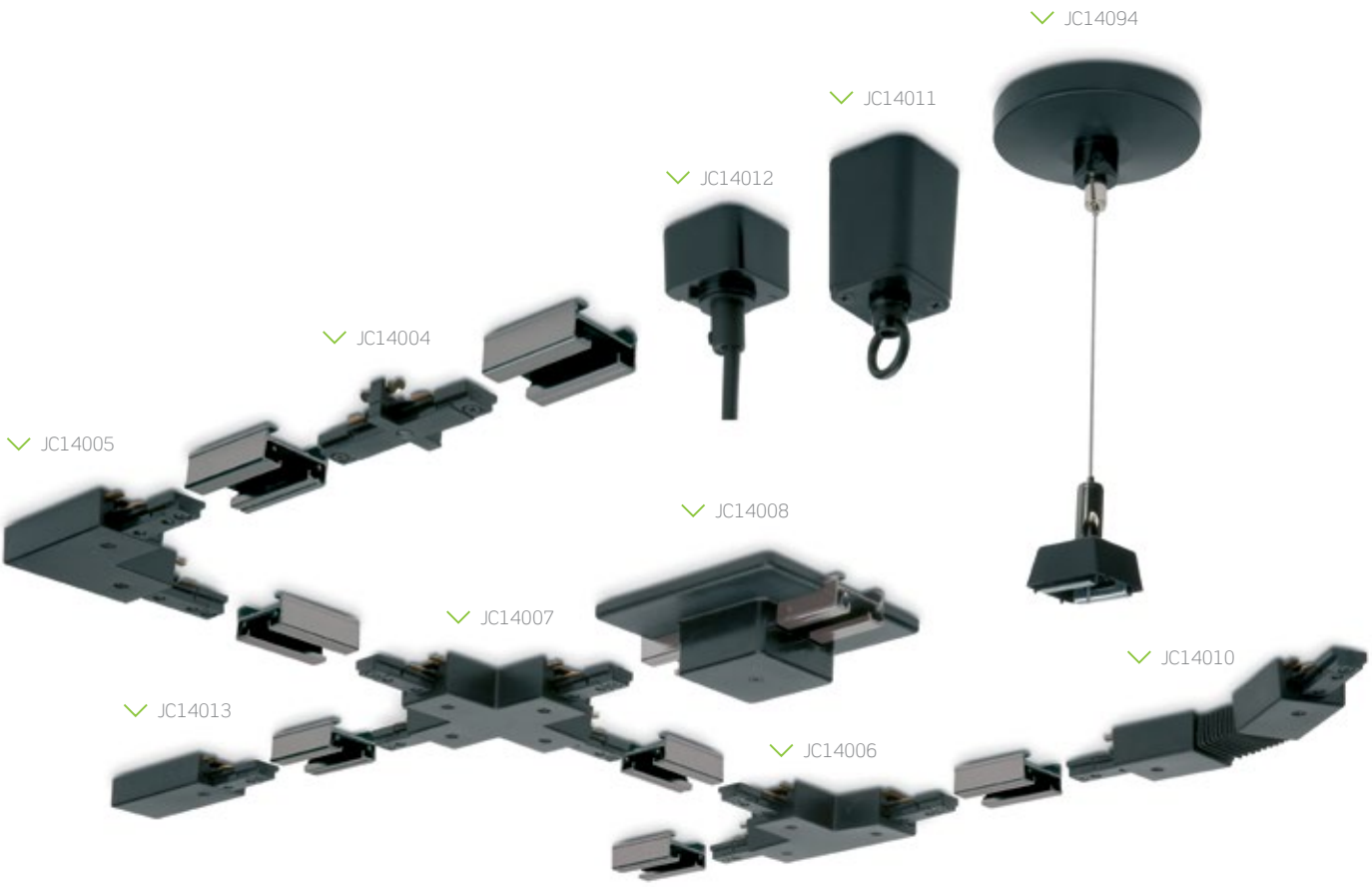
JC14002
(1120mm)

CODE	DESCRIPTION
JC**14001**	Single circuit 510mm track section
JC**14002**	Single circuit 1120mm track section
JC**14003**	Single circuit 2340mm track section



Single circuit Track Accessories

Accessories & connections for single circuit track



MAX LOAD
1.5kg (using eye)
0.5kg (without using eye)
(JC14011)

0.5kg (JC14012)

CLASSIFICATION
Class 1 ⏚
IP20 | 240V | 16 amp max

FINISH
Black, white

JC14008 not suitable for joining cracks

CONSTRUCTION
Cover - Polycarbonate
Body - Pressed steel

CODE	DESCRIPTION	CODE	
JC**14004**	Track connector with power	JC**14011**	Adaptor to suspend pendants from track (5amp max)
JC**14005**	Right angle (L) & straight connector with power feed	JC**14012**	Adaptor to provide power from track to pendants etc (1M flex - 5amp max)
JC**14006**	T connector	JC**14013**	Power feed at track end
JC**14007**	4 way connector	JC**14094**	Wire suspension kit (2M)
JC**14008**	Power feed for track centre	JC**14070**	Surface adaptor for mainline fittings
JC**14009**	Power feed at track end with conduit entry (not shown)	JC**14093**	Suspension kit for suspended ceilings
JC**14010**	Flexible connector		

Three circuit Track

Three circuit flexible track system fittings

- Three circuit flexible track system for retail and display applications
- Suitable for use with three circuit track adaptor

To convert any single circuit spotlight into a three circuit option, please order our adaptor JC88118.

CODE	DESCRIPTION	CODE	DESCRIPTION
JC**88103**	3M Track section	JC**88112**	End cap
JC**88104**	Power feed - right	JC**88113**	Ceiling bracket connector
JC**88105**	Power feed - left	JC**88114**	Track connector with power feed
JC**88106**	Concealed track connector	JC**88115**	Wire suspension kit
JC**88107**	L connector - right sided earth	JC**88116**	Crossover connector
JC**88108**	L connector - left sided earth	JC**88117**	Flexible elbow connector
JC**88109**	T connector - right sided earth	JC**88118**	Three circuit track adaptor (10amp max)
JC**88110**	T connector - left sided earth		

CLASSIFICATION

Class 1

IP20 | 240V | 20amp max

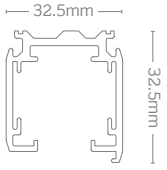
3 circuit 16amp max adaptor)

FINISH/ ACCESSORY FINISH

Black, white

CONSTRUCTION

Casing - Extruded aluminium



CLASSIFICATION
Class 1
IP20 | 240V

LED

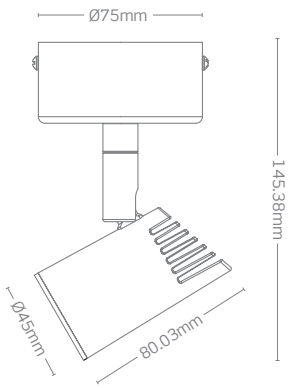
3000K 4000K

Warm white (3000K) | CRI: Ra (85)
Cool white (4000K) | CRI: Ra (85)

FINISH
White

CONSTRUCTION
Body – Aluminium

TRACK VERSION AVAILABLE
See page 162



StarSpot 500 Surface

High performance LED surface mounted spotlights

10 year
Extended warranty*

- Exceeds 50W halogen light output
- Over 80% energy saving against halogen
- Zero maintenance, no need to relamp
- Cool and warm white options available
- 350° rotation and 90° tilt

JC14158WH

CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**14158**	Starspot™ 500 Surface - Single	4000K	7W	480
JC**14159**	Starspot™ 500 Surface - Single	3000K	7W	450

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

StarSpot 500 Surface

High performance LED surface mounted spotlights

10 year
Extended warranty*

- Exceeds 50W halogen light output
- Over 80% energy saving against halogen
- Zero maintenance, no need to relamp
- Cool and warm white options available
- 350° rotation and 90° tilt
- 35° beam angle

JC14160WH

CLASSIFICATION
Class 1
IP20 | 240V

LED

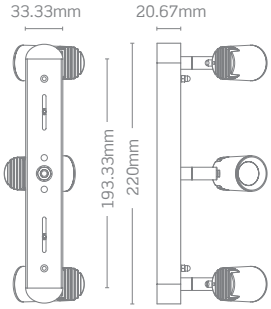
3000K 4000K

Warm white (3000K) | CRI: Ra (85)
Cool white (4000K) | CRI: Ra (85)

FINISH
Satin chrome, white

CONSTRUCTION
Body - Aluminium/Pressed steel

TRACK VERSION AVAILABLE
See page 162



CODE	DESCRIPTION	COLOUR TEMP.	WATT**	LUMENS
JC**14160**	Starspot™ 500 Surface - Triple bar	4000K	7W (per spotlight)	480
JC**14161**	Starspot™ 500 Surface - Triple bar	3000K	7W (per spotlight)	450

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

** Total Wattage = 21W

CLASSIFICATION
Class 1
IP20 | 240V

LED

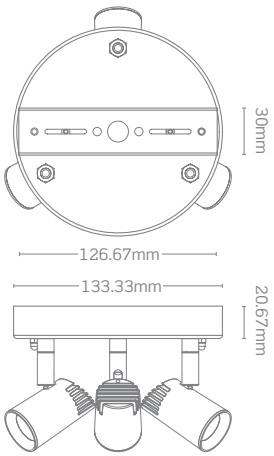
3000K 4000K

Warm white (3000K) | CRI: Ra (85)
Cool white (4000K) | CRI: Ra (85)

FINISH
Satin chrome, white

CONSTRUCTION
Body - Aluminium

TRACK VERSION AVAILABLE
See page 162



StarSpot 500 Surface

High performance LED surface mounted spotlights

10 year
Extended warranty*

- Exceeds 50W halogen light output
- Over 80% energy saving against halogen
- Zero maintenance, no need to relamp
- Cool and warm white options available
- 350° rotation and 90° tilt
- 35° beam angle

JC14162WH

CODE	DESCRIPTION	COLOUR TEMP.	WATT**	LUMENS
JC**14162**	Starspot™ 500 Surface - Triple plate	4000K	7W (per spotlight)	480
JC**14163**	Starspot™ 500 Surface - Triple plate	3000K	7W (per spotlight)	450

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

** Total Wattage = 21W

Royal Spotlight

Surface mounted halogen spotlight

Dimmable
As standard

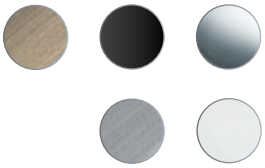
- 50W halogen spotlight
- Dimmable as standard
- Lamp not included

JC13001CH

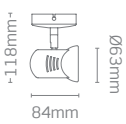
CLASSIFICATION
Class 1
IP20 | 240V

LAMP (NOT INCLUDED)
QPAR 50W GU10

FINISH
Antique brass, black, chrome, satin chrome, white



CONSTRUCTION
Body – Pressed steel



CODE	DESCRIPTION	LAMP
JC**13001**	Royal single spotlight	QPAR15 50W

CLASSIFICATION
Class 1
IP20 | 240V

LAMP (NOT INCLUDED)
QPAR 50W GU10

FINISH
Silver

CONSTRUCTION
Body - Pressed steel
Head - Die-cast aluminium

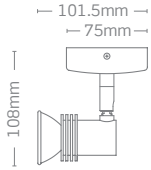
Bonito Spotlight

Surface mounted halogen spotlight

Dimmable
As standard

- 50W halogen spotlight
- Dimmable as standard
- Lamp not included

JC13050SIL



CODE	DESCRIPTION	LAMP
JC**13050**	Bonito single spotlight	QPAR16 50W

09

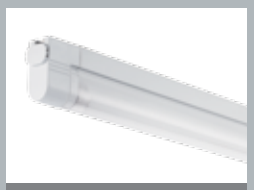
Undershelf & Cabinet

JCC® | a LEVITON® company

185
SKYBLADE®

186
LED TAPE

187
LED TAPE
ACCESSORIES



188
T5
UNDERSHELF

189
LV
UNDERSHELF

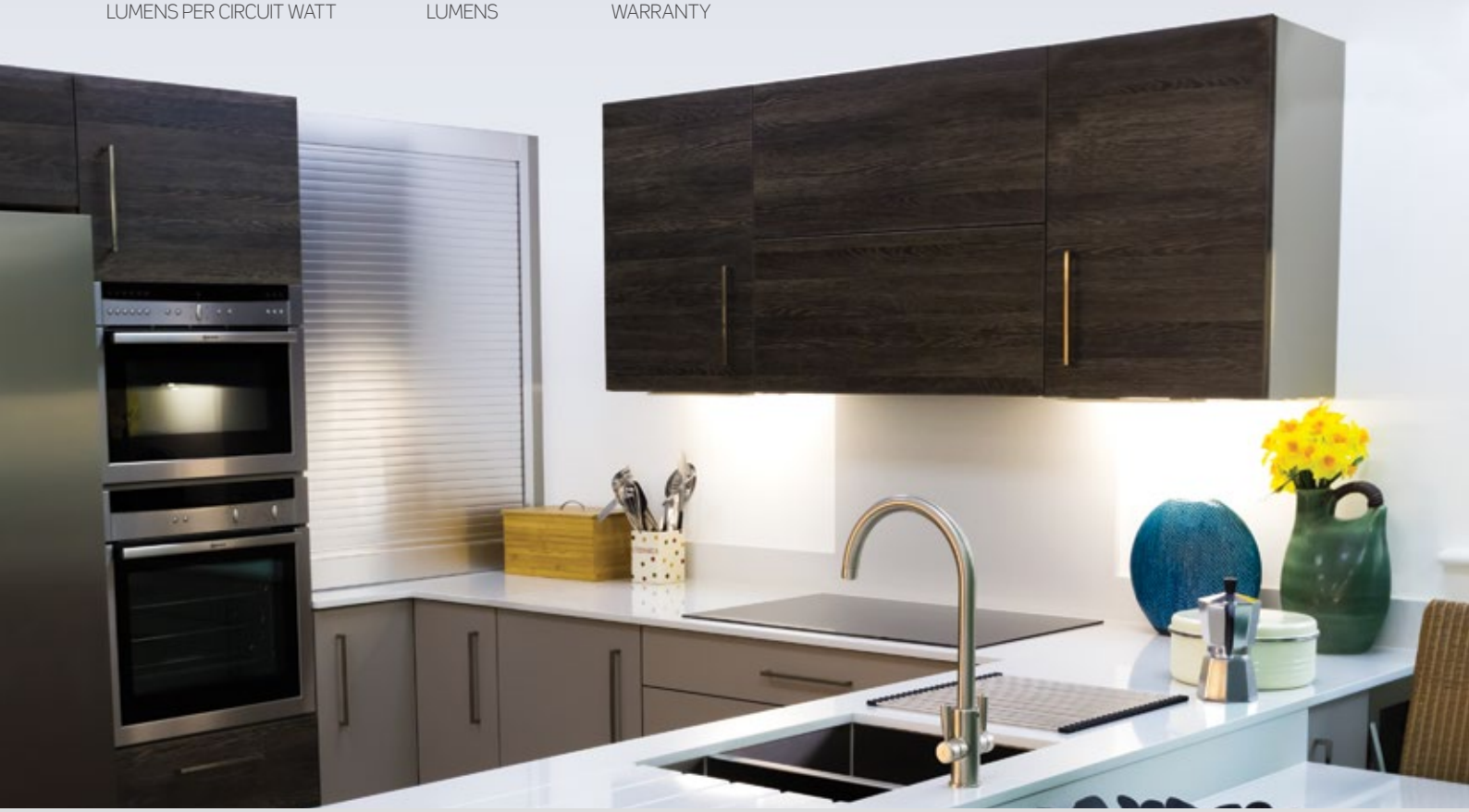
Skyblade®

Unique edge lit LED undershelf lighting

UP TO
100 LPCW
LUMENS PER CIRCUIT WATT

UP TO
800
LUMENS

EXTENDED
10 YEAR
WARRANTY



Strong, even light distribution

Skyblade's patented design uses Light Guide Board technology to throw the light on to the wall, the work surface and even further down the counter. Alongside one another, the beams from Skyblade® seamlessly blend into one, avoiding 'pools' of light and shadows that other light sources and even some LED fixtures create. All of this creates a clean, consistent level of light across the surface that not only enhances the appearance of any kitchen, but is also perfect for preparation areas.

Skyblade® 8W

Fluorescent tube

Halogen spotlights

CLASSIFICATION
Class 2 (Driver)
IP20 | 240V
Maximum load per driver 48W

LED

3000K 4000K

Warm white (3000K) | CRI: Ra (80)
Cool white (4000K) | CRI: Ra (80)

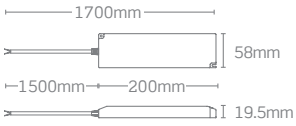
FINISH
White

CONSTRUCTION
Body - Polycarbonate

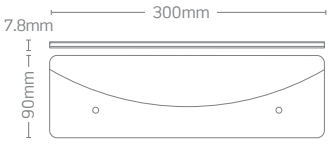
PATENT PENDING

ON/OFF DIMMING SWITCH
JC83113

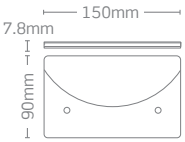
DRIVER (JC83114)



SKYBLADE® 8W



SKYBLADE® 4W



Skyblade

The direct 8W & 14W T5 fluorescent replacement

10 year
Extended warranty*

- Designed for use with 500mm (single) & 1200mm (double) wall cabinets
- Provides up to 50% energy saving against T5 fluorescent
- Designed for even light distribution on the work surface
- Simple and easy two point screw fit installation
- Zero maintenance, no need to relamp
- Skyblade® on/off dimmer switch available (JC83113)
- NEW 48W LED driver (JC83114)

JC83100

JC83101

CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC**83100**	Skyblade® undershelf LED c/w 750mm cable	Cool white	4W	385
JC**83102**	Skyblade® undershelf LED c/w 750mm cable	Warm White	4W	350
JC**83101**	Skyblade® undershelf LED c/w 900mm cable	Cool white	8W	800
JC**83103**	Skyblade® undershelf LED c/w 900mm cable	Warm White	8W	740
JC**83108**	350mm cable + 2 x cable clips	-	-	-
JC**83109**	1200mm cable + 4 x cable clips	-	-	-
JC**83110**	1500mm cable + 5 x cable clips	-	-	-
JC**83111**	Cable adaptor female - female	-	-	-
JC**83113**	On/off dimming switch accessory	-	-	-
JC**83114**	48W 2amp 24V DC driver (Available Oct '16)	-	-	-

*10 year for domestic dwellings, 5 year for commercial properties. Requires online registration.

LED Tape & Drivers

NEW PRODUCT
Available Nov '16

High efficiency LED tape

5 year
Extended warranty*

- Ultra efficient, up to 96 lumens per circuit Watt
- Available in warm and cool white colour variants
- 5M lengths as standard (10mm wide)
- IP65 tape as standard
- Dimmable variants available
- Cuttable and connectable
- Low output LED tape starter kits include 36W Triac dimmable driver and accessories
- 75W driver for medium output tape and 100W driver for high output tape

JC83205

CLASSIFICATION
Class 2 (Driver)
Class 3 (Tape)
IP65 (tape) | 240V

LED

3000K 4000K

Warm white (3000K) | CRI: Ra (85)
Cool white (4000K) | CRI: Ra (85)

COMPATIBLE LED DIMMER
Starter kit only - See page 238

CODE	DESCRIPTION	COL. TEMP	WATT	LUMENS
JC**83201**	Low output LED tape & driver	3000K	5.2W (per metre)	500 (per metre)
JC**83202**	Low output LED tape & driver	4000K	5.2W (per metre)	500 (per metre)
JC**83203**	Medium output LED tape	3000K	13W (per metre)	1100 (per metre)
JC**83204**	Medium output LED tape	4000K	13W (per metre)	1100 (per metre)
JC**83205**	High output LED tape	3000K	20W (per metre)	1700 (per metre)
JC**83206**	High output LED tape	4000K	20W (per metre)	1700 (per metre)
JC**83208**	LED driver IP20 - Non-dimmable	-	75W	-
JC**83208DIM**	LED driver IP65 - 1-10V dimmable	-	75W	-
JC**83209**	LED driver IP20 - Non-dimmable	-	100W	-
JC**83209DIM**	LED driver IP65- 1-10V dimmable	-	100W	-

*Requires online registration.

FINISH
Silver

CONSTRUCTION
Profile - Extruded aluminium
Diffuser - Opal polycarbonate

NEW PRODUCT
Available Nov '16

LED Tape Accessories

LED tape lighting extrusions & accessories

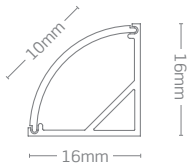
5 year
Extended warranty*

- Linkable LED tape lighting extrusions
- High output LED tape variants require aluminium profile
- Connectors available to link tape inside profile and around corners
- Heat shrink sleeve available for maintaing IP rating when cutting tape

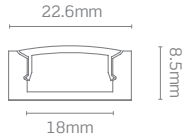
JC83210

JC83212

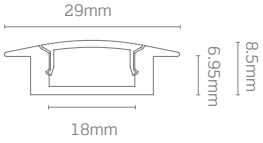
JC83211



JC83210



JC83212



CODE	DESCRIPTION
JC**83210**	Aluminium surface mount flat profile 1m - Opal diffuser
JC**83211**	Aluminium recessed flat profile 1m - Opal diffuser
JC**83212**	Aluminium surface corner profile 1m - Opal diffuser
JC**83213**	Internal tape to DC cable linking accessory (10 pack)
JC**83214**	Internal L-type quick connector (5 pack)
JC**83215**	Internal 2-end tape connector with 15cm cable (5 pack)
JC**83216**	IP65 2-end tape connector (10 pack)
JC**83217**	PCB retaining clips (10 pack)
JC**83218**	DC cable retaining clips (10 pack)

*Requires online registration.

T5 Undershelf

Linkable fluorescent undershelf lighting

LED **LED equivalents**
See pages 185

- Luminaires may be continuously joined together using the in-line adaptor as supplied up to a maximum of 10 units
- Luminaires are supplied with a full fixing kit for vertical and horizontal installation
- Slim line profile
- Individually switched
- Rota style safety lamp holders
- Non-dimmable

CLASSIFICATION
Class 2
IP20 | 240V

LAMP (INCLUDED)
T5 8-28W

FINISH
White

CONSTRUCTION
Body - Extruded polycarbonate profile

CODE	DESCRIPTION	LAMP
JC**83020**	T5 8W low energy fluorescent striplight	T5 8W
JC**83021**	T5 14W low energy fluorescent striplight	T5 14W
JC**83022**	T5 21W low energy fluorescent striplight	T5 21W
JC**83023**	T5 28W low energy fluorescent striplight	T5 28W
JC**83024**	250mm link lead	-
JC**83025**	500mm link lead	-
JC**83026**	1000mm link lead	-

JC83022

JC83023

JC83020

JC83021

Low Voltage Undershelf

Low profile undershelf lighting

- Can be recessed into shelves or surface mounted
- Lamps included
- Sold individually

CLASSIFICATION
Class 3
IP20 | 12V

LAMP (INCLUDED)
20W G4

FINISH
Chrome

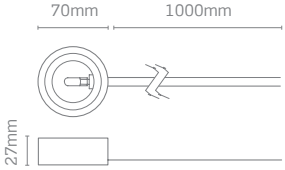
CONSTRUCTION
Body - Pressed steel
Diffuser - Clear heat resistant glass

Downlights are pre-wired with 1M cable

CUTOUT SIZES
ø60mm when recessed

JC4030 - TRANSFORMER

JC3014CH
Surface adaptor supplied



CODE	DESCRIPTION	LAMP
JC**3014**	Low voltage undershelf downlight	G4 20W
JC**4030**	10-60VA transformer for JC3014	-

10

Exterior Floodlights & Spotlights

JCC® | a LEVITON® company

193
NITEFLOOD®
15W & 15W PIR

194
NITEFLOOD®
30W

195
NITEFLOOD®
50W

NEW

197
TOUGHFLOOD™
80W & 100W

NEW

198
TOUGHFLOOD™
150W & 200W

NEW

199
WALL PACK LED

200
MARQUIS
SIGN LIGHT

201
NITELED™
GROUND SPIKE

Niteflood® 15W

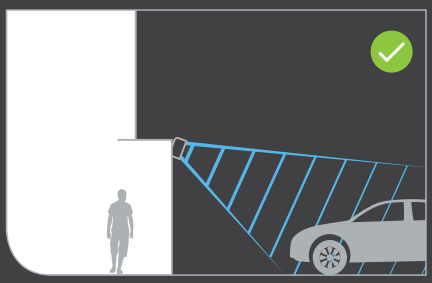
Ultra stylish, high performance LED floodlight

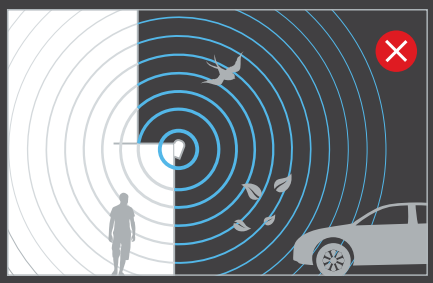
EFFICIENT
15W LED
TOTAL WATTAGE

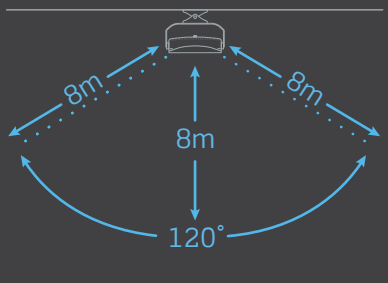
UP TO
80 LPCW
LUMENS PER CIRCUIT WATT

UP TO
1200
LUMENS

Why PIR is more suitable than microwave for domestic floodlighting







PIR

- Complete control over detection area
- Great for targeted areas
- Suitable for walkways, driveways and doors

Microwave

- General movement detection leads to false triggering (such as leaves, wildlife & litter)
- 360˚ detection makes sensing more difficult to control
- Ability to sense through walls further increases unnecessary triggering

PIR 8m detection range

- Adjustable hold time (5 secs – 8 mins)
- Built in daylight sensor with adjustable lux level
- 8m range when mounted at 2m
- 120˚ field of detection
- IP44 PIR protection

CLASSIFICATION
Class 1
IP65 | 240V

LED

5700K

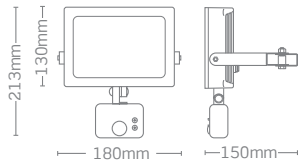
5700K | CRI: Ra (70)

FINISH
Black, white/silver

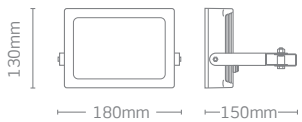
To order black finish, please add BLK suffix

CONSTRUCTION
Body - Cast aluminium
Lens - Toughened glass
Bracket - Steel

JC45121



JC45120



Niteflood 15W & 15W PIR

The direct 200W halogen replacement

2 year
Product guarantee

- Over 90% energy saving against halogen
- Stylish, compact design
- Instant start-up for added security
- PIR version available
- IP65 weather resistant
- Supplied pre-wired with 1.2M flex

JC45120BLK

JC45121

CODE	DESCRIPTION	WATT	LUMENS
JC**45120**	Niteflood® LED floodlight	15W	1200
JC**45121**	Niteflood® LED floodlight with PIR	15W	1200

Niteflood 30W

Direct replacement for 50W HID

2 year
Product guarantee

- High output domestic floodlights
- Bracket allows for corner mounting
- Tough durable design, vandal resistant
- IP65 weather resistant
- Instant start-up for added security
- L70 at 50,000 hours - high performance mains LED module
- Driverless LED technology
- Supplied pre-wired with 1.2m flex
- NEW available in white

JC45122WH

CLASSIFICATION
Class 1
IP65 | 240V

LED

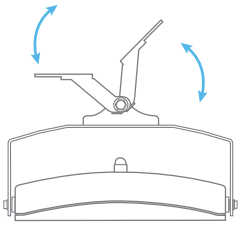
5700K

5700K | CRI: Ra (70)

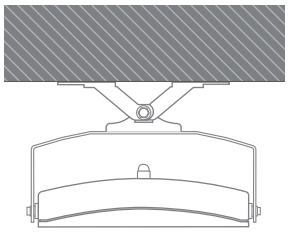
FINISH
Black, white/silver

CONSTRUCTION
Body - Cast aluminium
Lens - Toughened glass
Bracket - Steel

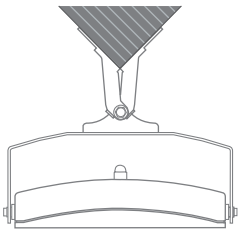
Unique flexible bracket for wall or corner mounting



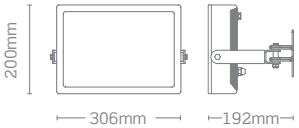
Versatile fixing bracket



Flat wall mounting



Corner mounting



CODE	DESCRIPTION	WATT	LUMENS
JC**45122**	Niteflood® LED floodlight	30W	2200

CLASSIFICATION
Class 1
IP65 | 240V

LED

5700K

5700K | CRI: Ra (70)

FINISH
Black

CONSTRUCTION
Body - Cast aluminium
Lens - Toughened glass
Bracket - Steel

Niteflood 50W

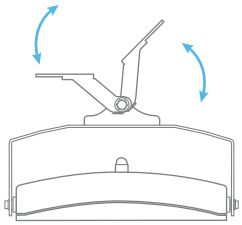
Direct replacement for 70W HID

5 year
Extended warranty*

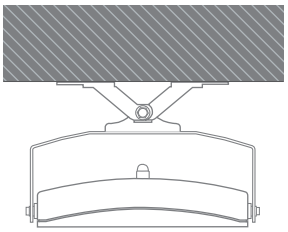
- Up to 40% energy saving
- Bracket allows for corner mounting
- Tough durable design, vandal resistant
- IP65 weather resistant
- Instant start-up for added security
- L70 at 50,000 hours - high performance mains LED module
- Driverless LED technology
- Supplied pre-wired with 1.2m flex

JC45123BLK

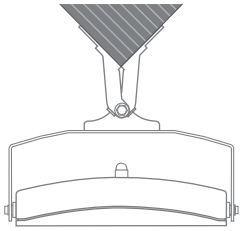
Unique flexible bracket for wall or corner mounting



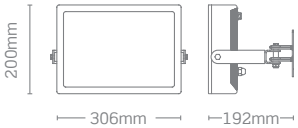
Versatile fixing bracket



Flat wall mounting



Corner mounting



CODE	DESCRIPTION	WATT	LUMENS
JC**45123**	Niteflood® LED floodlight	50W	4000

*Requires online registration.

Toughflood™

High output commercial LED floodlight

UP TO
120 LPCW
LUMENS PER CIRCUIT WATT

UP TO
24,000
LUMENS

EXTENDED
5 YEAR*
WARRANTY

Toughflood™ LED the direct HID/SON retrofit solution

OVER 50% ENERGY SAVING

TOUGHFLOOD™ 80W
replaces
150W HID/SON

TOUGHFLOOD™ 100W
replaces
150W/250W HID/SON

TOUGHFLOOD™ 150W
replaces
250W/400W HID/SON

TOUGHFLOOD™ 200W
replaces
400W HID/SON

NEW PRODUCT

Available Oct '16

Toughflood™ 80 & 100W

High output commercial LED floodlight

5 year
Extended warranty*

- Equivalent to 150W/250W HID/SON, with 50% energy saving
- Ultra efficient, 120 lumens per circuit Watt
- Higher CRI than traditional SON lamps, more effective when used with CCTV
- Ideal for mounting heights of up to 6m
- Instant start-up, for use with occupancy sensors
- IP65 weather resistant
- Supplied pre-wired with 1.2m flex
- 60° Beam angle

CLASSIFICATION
Class 1
IP65 | 240V

LED

4000K

4000K | CRI: Ra (80)

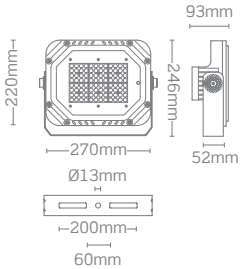
FINISH
Silver

CONSTRUCTION
Body - Cast aluminium
Lens - Polycarbonate
Bracket - Steel

JC45130

JC45131

80W/100W



CODE	DESCRIPTION	WATT	LUMENS
JC**45130**	Toughflood® LED floodlight	80W	9600
JC**45131**	Toughflood® LED floodlight	100W	12,000

*Requires online registration

Toughflood™ 150 & 200W

NEW PRODUCT
Available Oct '16

Ultra high output commercial LED floodlight

5 year
Extended warranty*

- Equivalent to 250W and 400W HID/SON, with over 50% energy saving
- Ultra efficient, 120 lumens per circuit Watt
- Higher CRI than traditional SON lamps, more effective when used with CCTV
- Ideal for mounting heights of over 6m
- Instant start-up, suitable for use with occupancy sensors
- IP65 weather resistant
- Supplied pre-wired with 1.2m flex
- 60° Beam angle

JC45133

CLASSIFICATION
Class 1
IP65 | 240V

LED

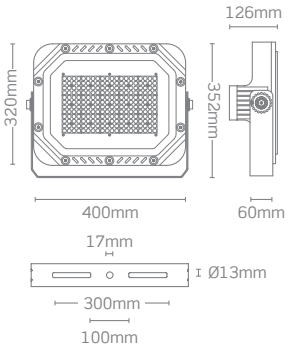
4000K

4000K | CRI: Ra (80)

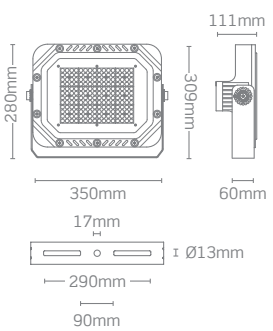
FINISH
Silver

CONSTRUCTION
Body - Cast aluminium
Lens - Polycarbonate
Bracket - Steel

200W



150W



CODE	DESCRIPTION	WATT	LUMENS
JC**45132**	Toughflood® LED floodlight	150W	18,000
JC**45133**	Toughflood® LED floodlight	200W	24,000

*Requires online registration

NEW PRODUCT

Available Nov '16

Wall Pack LED

Durable LED wall light

5 year
Extended warranty*

- Equivalent to 50W/70W SON
- Up to 50% energy saving
- Tough durable IP65 design
- Hinged design for fast, simple installation
- 50,000hrs to L70
- Instant start-up for added security
- Driverless LED technology

CLASSIFICATION
Class 1
IP65 | 240V

LED

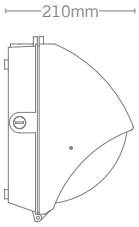
5700K

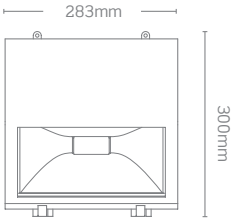
5700K | CRI: Ra (80)

FINISH
Black

CONSTRUCTION
Body - Cast aluminium
Diffuser - Toughened glass

JC39440





CODE	DESCRIPTION	WATT	LUMENS
JC**39440**	Wall Pack LED	30W	2400

*Requires online registration

Marquis Sign Lights

Decorative halogen sign light

2 year
Product guarantee

- Ideal for sign illumination
- Two different sizes

CLASSIFICATION
Class 1
IP23 | 240V

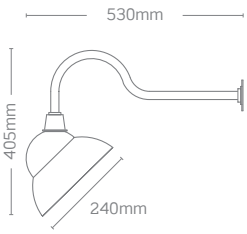
LAMP (NOT INCLUDED)
Halogen 42W E27 (GLS)

FINISH
Black, brass, chrome

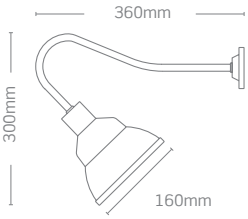
JC37001 black only

CONSTRUCTION
Head - Spun steel
Arm - Steel tube
Wall plate - Pressed steel

JC37002



JC37001



CODE	DESCRIPTION	LAMP	WATT
JC**37001**	Marquis small sign light	Halogen (GLS)	42W
JC**37002**	Marquis large sign light	Halogen (GLS)	42W

CLASSIFICATION
Class 1
IP54 | 240V

LED

4000K

4000K | CRI: Ra (70)

FINISH
Anthracite

CONSTRUCTION
Body - Die-cast aluminium

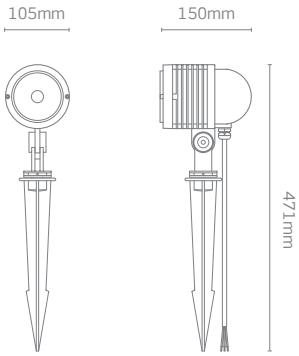
NiteLED Ground Spike

High efficiency LED ground spike

2 year
Product guarantee

- LED outdoor light with matching colour temperature and finish to the NiteLED™ range
- Low energy 10W LED
- IP54 protection against dust and moisture
- Durable aluminium construction
- Instant start up, no warm up time
- Zero maintenance, no need to relamp
- Supplied with integral driver, pre-wired

JC39417



CODE	DESCRIPTION	WATT	LUMENS
JC**39417**	NiteLED™ Ground Spike	10W	600

11

Exterior Recessed

JCC® | a LEVITON® company

204
ELTINO
LED WALL

205
ELEGENTI
LED STEP LIGHT

206
NITELED™
WALKOVER

207
CHARON
LED DECK LIGHTS

Eltino LED Wall

Decorative LED up/down wall light

2 year
Product guarantee

- Feature lighting with high output white LED chips
- Head section can rotate 350˚ and tilt 45˚
- Supplied with integral driver

CLASSIFICATION
Class 1
IP44 | 240V

LED

6000K

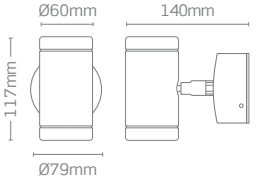
6000K | CRI: Ra (75)

FINISH
Polished aluminium

CONSTRUCTION
Body - Spun aluminium

JC71126

JC71126



CODE	DESCRIPTION	WATT	LUMENS
JC**71126**	Eltino LED wall light 6W	6W	270 x 2

Elegenti LED Step Light

Recessed step light for pathway lighting

2 year
Product guarantee

- IP68 weather resistant finish
- Comes complete with recessed wall box
- Supplied with integral driver
- Loop-in/loop-out connection
- 30,000 hours average life
- Cool to touch

CLASSIFICATION
Class 2
IP68 | 240V

LED

6000K

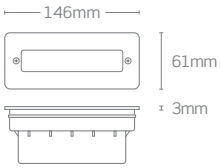
6000K | CRI: Ra (75)
Blue

FINISH
Stainless steel

CONSTRUCTION
Body - Polycarbonate
Diffuser - Clear acrylic
Cover - Stainless steel

CUTOUT
140mm (W) x 57mm (H) x 60mm (D)

JC71115



CODE	DESCRIPTION	WATT	LUMENS
JC**71115**	Mains voltage white recessed step light	1.5W	45

NiteLED Walkover

High efficiency LED in-ground light

2 year
Product guarantee

- LED in-ground light with matching colour temperature and finish to the NiteLED™ range
- Ultra low energy 3W & 6W LEDs
- External base fixing for faster installation
- High quality stainless steel construction
- Cool to touch
- Zero maintenance, no need to relamp
- Supplied pre-wired

JC39414

JC39415

CLASSIFICATION
Class 1
IP67 | 240V

LED

4000K

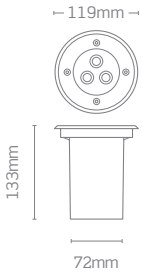
4000K | CRI: Ra (70)

FINISH
Stainless steel

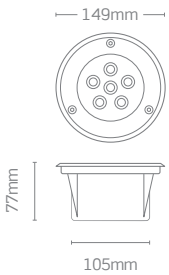
CONSTRUCTION
Mounting box - Polycarbonate
Housing - Die-cast aluminium
Trim - AISI - 316 stainless steel
Diffuser - Heat resistant clear glass

CUTOUT SIZES
JC39414 - 136mm (W) x 125mm (D)
JC39415 - 105mm (W) x 185mm (D)

JC39415



JC39414



CODE	DESCRIPTION	WATT	LUMENS
JC**39414**	NiteLED™ Walkover	6W	360
JC**39415**	NiteLED™ Walkover	3W	180

CLASSIFICATION
Class 2
IP65 | 240V

LED

6000K

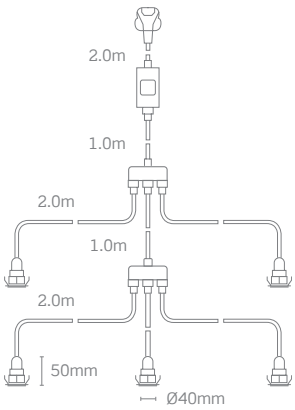
6000K | CRI: Ra (75)

FINISH
Brushed aluminium

CONSTRUCTION
Body - Spun aluminium
Diffuser - Clear glass

CUTOUT SIZES
Ø35mm

Supplied with fitted 3-pin plug for use with weatherproof power socket.



Charon LED Deck Lights

LED deck lighting kit

2 year
Product guarantee

- LED deck lights supplied as kits with 5 heads per kit
- 6 LED chips per head - 0.5W
- 35,000 hours average life
- Cool to touch
- Drivers and cables included

JC71054

CODE	DESCRIPTION	WATT	LUMENS
JC**71054**	LED 5 light kit white	0.5W per head	15 per head

12

Bollards

JCC® | a LEVITON® company

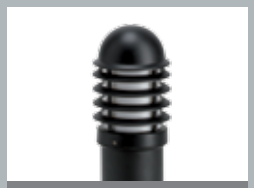
210
NITELED™
ROUND BOLLARD

211
NITELED™
SQAUARE BOLLARD

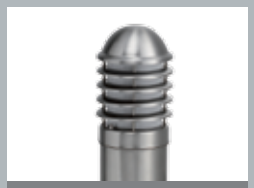
212
NITELED™
CURVE BOLLARD

213
NITELED™
SLIM BOLLARD

214
NITELED™
DOME BOLLARD



215
NITELED™
DOME BOLLARD



216
NITELED™
DOME BOLLARD

217
NITELED™
DOME BOLLARD

NEW

219
NITELED™
FLAT TOP BOLLARD

NEW

220
NITELED™
ROUND TOP BOLLARD

NEW

221
NITELED™
ROUND TOP BOLLARD

NiteLED Round Bollard

High efficiency LED exterior lighting

2 year
Product guarantee

More options
See page 145

- LED bollard with matching colour temperature and finish to the NiteLED™ range
- Ultra low energy 6W LED
- External base fixing for faster installation
- Durable aluminium construction
- Integral LED driver
- Instant start up, no warm up time
- Zero maintenance, no need to relamp

JC39404

CODE	DESCRIPTION	WATT	LUMENS
JC**39404**	NiteLED™ Round Bollard 800mm	6W	300
JC**39412**	NiteLED™ root mounting kit for round bollard	-	-

CLASSIFICATION
Class 1
IP54 | 240V

LED

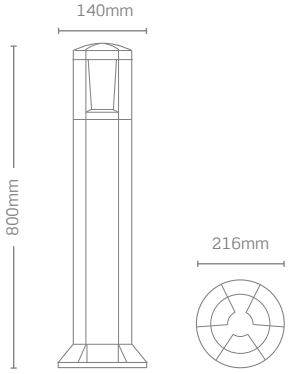
4000K

4000K | CRI: Ra (80)

FINISH
Anthracite

CONSTRUCTION
Body – Aluminium
Diffuser - Opal polycarbonate

MATCHING WALL LIGHT
See page 145



CLASSIFICATION
Class 1
IP54 | 240V

LED

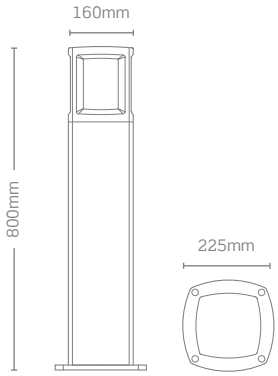
4000K

4000K | CRI: Ra (80)

FINISH
Anthracite

CONSTRUCTION
Body - Aluminium
Diffuser - Opal polycarbonate

MATCHING WALL LIGHT
See page 145



NiteLED Square Bollard

High efficiency LED exterior lighting

2 year
Product guarantee

More options
See page 145

- LED bollard with matching colour temperature and finish to the NiteLED™ range
- Ultra low energy 6W LED
- External base fixing for faster installation
- Durable aluminium construction
- Integral LED driver
- Instant start up, no warm up time
- Zero maintenance, no need to relamp

JC39405

CODE	DESCRIPTION	WATT	LUMENS
JC**39405**	NiteLED™ Round Bollard 800mm	6W	300
JC**39413**	NiteLED™ root mounting kit for square bollard	-	-

NiteLED Curve Bollard

High efficiency LED exterior lighting

2 year
Product guarantee

More options
See page 146

- LED bollard with matching colour temperature and finish to the NiteLED™ range
- Ultra low energy 5W LED
- External base fixing for faster installation
- Durable aluminium construction
- Instant start up, no warm up time
- Zero maintenance, no need to relamp

JC39402

JC39401

CODE	DESCRIPTION	WATT	LUMENS
JC**39401**	NiteLED™ Curve Bollard 800mm	5W	350
JC**39402**	NiteLED™ Curve Bollard 1000mm	5W	350

CLASSIFICATION
Class 1
IP54 | 240V

LED

4000K

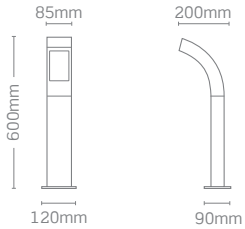
4000K | CRI: Ra (80)

FINISH
Anthracite

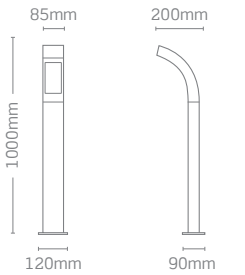
CONSTRUCTION
Body – Aluminium
Diffuser - Frosted polycarbonate

MATCHING WALL LIGHT
See page 146

JC39401



JC39402



CLASSIFICATION
Class 1
IP54 | 240V

LED

4000K

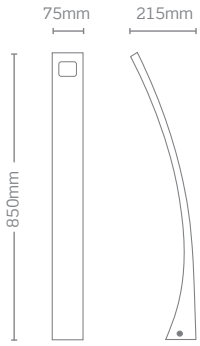
4000K | CRI: Ra (80)

FINISH
Anthracite

CONSTRUCTION
Body - Aluminium
Diffuser - Frosted polycarbonate

MATCHING WALL LIGHT
See page 147

JC39403



NiteLED Slim Bollard

High efficiency LED exterior lighting

2 year
Product guarantee

More options
See page 147

- LED bollard with matching colour temperature and finish to the NiteLED™ range
- Ultra low energy 6W LED
- Internal base fixing for faster installation
- Durable aluminium construction
- Instant start up, no warm up time
- Zero maintenance, no need to relamp

JC39403

CODE	DESCRIPTION	WATT	LUMENS
JC**39403**	NiteLED™ Slim Bollard 850mm	6W	420

NiteLED Dome Bollard

High efficiency LED exterior lighting

2 year
Product guarantee

More options
See page 153

- Direct 42W halogen GLS replacement
- Over 75% energy saving
- 8.5W mains driven LED, no driver required
- Zero maintenance, no need to relamp
- Instant start up, no warm up time
- Plain diffuser for a wider spread of light
- Modern bollard range, ideal for both domestic and commercial amenity lighting

JC39425BLK JC39426BLK JC39427BLK

CODE	DESCRIPTION	WATT	LUMENS
JC**39425BLK**	NiteLED™ Dome Bollard short plain	8.5W	200
JC**39426BLK**	NiteLED™ Dome Bollard medium plain	8.5W	200
JC**39427BLK**	NiteLED™ Dome Bollard tall plain	8.5W	200
JC**39224**	Root mounting kit	-	-

CLASSIFICATION
Class 1
IP44 | 240V

LED

4000K

4000K | CRI: Ra (80)

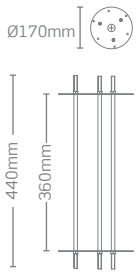
FINISH
Black

CONSTRUCTION
Body - Die-cast aluminium
Diffuser - Opal polycarbonate

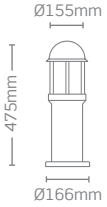
MATCHING WALL LIGHT
See page 153

JC39427BLK

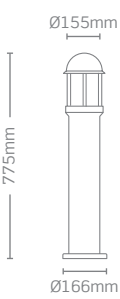
JC39224



JC39425BLK



JC39426BLK



CLASSIFICATION
Class 1
IP44 | 240V

LED

4000K

4000K | CRI: Ra (80)

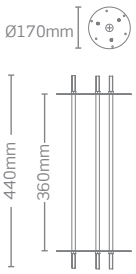
FINISH
Black

CONSTRUCTION
Body - Die-cast aluminium
Diffuser - Opal polycarbonate

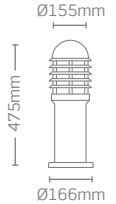
MATCHING WALL LIGHT
See page 153

JC39424BLK

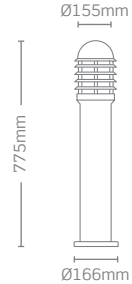
JC39224



JC39422BLK



JC39423BLK



NiteLED Dome Bollard

High efficiency LED exterior lighting

2 year
Product guarantee

More options
See page 153

- Direct 42W halogen GLS replacement
- Over 75% energy saving
- 8.5W mains driven LED, no driver required
- Zero maintenance, no need to relamp
- Instant start up, no warm up time
- Louvered diffuser configuration ideal for highlighting in car parks and illuminating walkways
- Modern bollard range, ideal for both domestic and commercial amenity lighting

JC39422BLK JC39423BLK JC39424BLK

CODE	DESCRIPTION	WATT	LUMENS
JC**39422BLK**	NiteLED™ Dome Bollard short louvred	8.5W	200
JC**39423BLK**	NiteLED™ Dome Bollard medium louvred	8.5W	200
JC**39424BLK**	NiteLED™ Dome Bollard tall louvred	8.5W	200
JC**39224**	Root mounting kit	-	-

NiteLED Dome Bollard

High efficiency LED exterior lighting

2 year
Product guarantee

More options
See page 152

- Direct 42W halogen GLS replacement
- Over 75% energy saving
- 8.5W mains driven LED, no driver required
- Zero maintenance, no need to relamp
- Louvered diffuser configuration ideal for highlighting in car parks and illuminating walkways
- High grade AISI 316L stainless steel is weather resistant and requires little maintenance to keep its brilliant appearance
- Installation is made easier with the root mounting kit

JC39423SS

JC39422SS

CODE	DESCRIPTION	WATT	LUMENS
JC**39422SS**	NiteLED™ Dome Bollard short plain	8.5W	200
JC**39423SS**	NiteLED™ Dome Bollard medium plain	8.5W	200
JC**39224**	Root mounting kit	-	-

CLASSIFICATION
Class 1
IP44 | 240V

LED

4000K

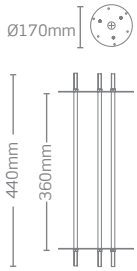
4000K | CRI: Ra (80)

FINISH
Stainless steel

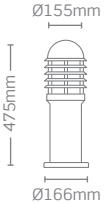
CONSTRUCTION
Body - AISI 316L Stainless steel
Diffuser - Opal polycarbonate

MATCHING WALL LIGHT
See page 152

JC39224



JC39423SS



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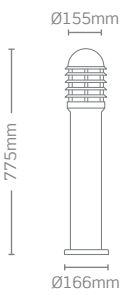


CLASSIFICATION
Class 1
IP44 | 240V

LED

4000K

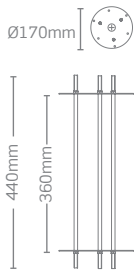
4000K | CRI: Ra (80)

FINISH
Stainless steel

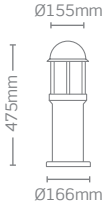
CONSTRUCTION
Body - AISI 316L Stainless steel
Diffuser - Opal polycarbonate

MATCHING WALL LIGHT
See page 152

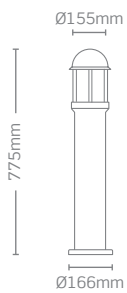
JC39224



JC39425SS



JC39426SS



NiteLED Dome Bollard

High efficiency LED exterior lighting

2 year
Product guarantee

More options
See page 152

- Direct 42W halogen GLS replacement
- Over 75% energy saving
- 8.5W mains driven LED, no driver required
- Zero maintenance, no need to relamp
- Plain diffuser for wider spread of light
- High grade AISI 316L stainless steel is weather resistant and requires little maintenance to keep its brilliant appearance
- Installation is made easier with the root mounting kit

JC39426SS

JC39425SS

CODE	DESCRIPTION	WATT	LUMENS
JC**39425SS**	NiteLED™ Dome Bollard short louvred	8.5W	200
JC**39426SS**	NiteLED™ Dome Bollard medium louvred	8.5W	200
JC**39224**	Root mounting kit	-	-

NiteLED™ Bollards

High output round top and flat top bollards

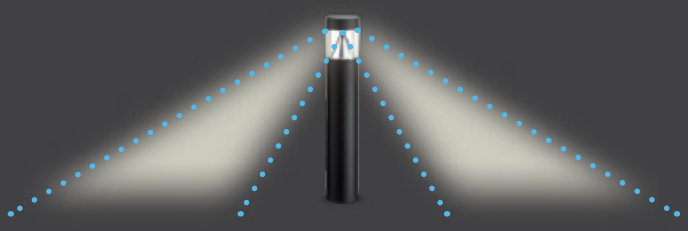
EFFICIENT
17W LED
TOTAL WATTAGE

UP TO
85 LPCW
LUMENS PER CIRCUIT WATT

UP TO
1450
LUMENS

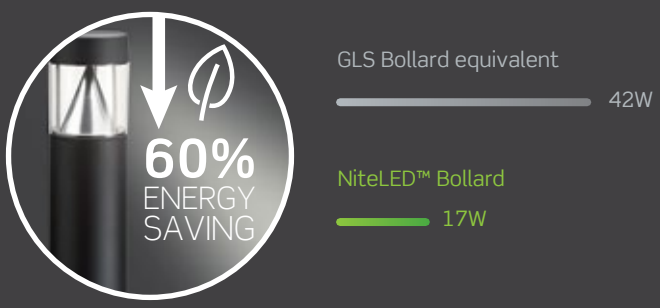
Wide symmetrical light distribution

NiteLED™ round top and flat top bollards diffuse light wide and symmetrically, using the internal LED cone refelector. This makes it ideal for walkways, car parks & residential applications



High 60% energy saving against 42W GLS

The high performance LED modules in NiteLED™ bollards eliminates maintenance and significantly reduces energy consumption.



NiteLED Flat Top Bollard

NEW PRODUCT
Available Nov '16

High output LED exterior lighting

2 year
Product guarantee

More options
See page 220-221

- Direct 42W halogen GLS replacement
- 60% energy saving
- 17W mains driven LED, no driver required
- Zero maintenance, no need to relamp
- Clear diffuser for wider spread of light
- Installation is made easier with the standard root mounting kit supplied
- Optional commercial root mounting kit (JC39444)

CLASSIFICATION
Class 1
IP65 | 240V

LED

5700K

5700K | CRI: Ra (80)

FINISH
Black

CONSTRUCTION
Body - Cast aluminium
Diffuser - Polycarbonate

JC39443BLK

JC39443

JC39444

CODE	DESCRIPTION	WATT	LUMENS
JC**39443BLK**	NiteLED™ Flat Top Bollard	17W	1450
JC**39444**	Commercial root mounting kit	-	-

NiteLED Round Top Bollard

NEW PRODUCT
Available Nov '16

High output commercial LED bollard

5 year*
Product guarantee

More options
See page 219 & 221

- Direct 42W halogen GLS replacement
- 60% energy saving
- 17W mains driven LED, no driver required
- Zero maintenance, no need to relamp
- Clear diffuser and cone reflector for wider spread of light
- Installation is made easier with the standard root mounting kit supplied
- Optional commercial root mounting kit (JC39444)

JC39442BLK

CLASSIFICATION
Class 1
IP65 | 240V

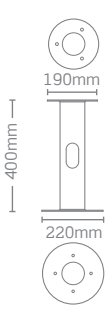
LED
5700K

5700K | CRI: Ra (80)

FINISH
Black

CONSTRUCTION
Body - Cast aluminium
Diffuser - Polycarbonate

JC39444



JC39442

CODE	DESCRIPTION	WATT	LUMENS
JC**39442BLK**	NiteLED™ Round Top Bollard	17W	1450
JC**39444**	Commercial root mounting kit	-	-

* 5 Year extended warranty on LED module only, 2 year warranty on body

CLASSIFICATION
Class 1
IP65 | 240V

LED

5700K

5700K | CRI: Ra (80)

FINISH
Stainless steel

CONSTRUCTION
Body - Stainless Steel
Diffuser - Polycarbonate

NiteLED Round Top Bollard

NEW PRODUCT
Available Nov '16

High output commerical LED bollard

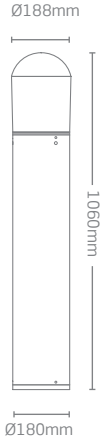
5 year*
Product guarantee

More options
See page 219-220

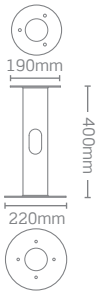
- Direct 42W halogen GLS replacement
- 60% energy saving
- 17W mains driven LED, no driver required
- Zero maintenance, no need to relamp
- Clear diffuser and cone reflector for wider spread of light
- Installation is made easier with the standard root mounting kit supplied
- Optional commercial root mounting kit (JC39444)

JC39442SS

JC39442



JC39444



CODE	DESCRIPTION	WATT	LUMENS
JC**39442SS**	NiteLED™ Round Top Bollard	17W	1450
JC**39444**	Commercial root mounting kit	-	-

* 5 Year extended warranty on LED module only, 2 year warranty on body

13

Lanterns

JCC® | a LEVITON® company

225
MONTELLA LED™ LANTERNS

226
NITELED™ LANTERN

227
NITELED™ LANTERNS

228
MONTELLA LANTERNS

229
MONTELLA LANTERNS

230
REGAL LANTERNS

231
REGAL LANTERNS PIR & PHOTOCELL

Montella LED™

Over 80% energy saving against 60W GLS

EFFICIENT
8.5W LED
TOTAL WATTAGE

UP TO
82 LPCW
LUMENS PER CIRCUIT WATT

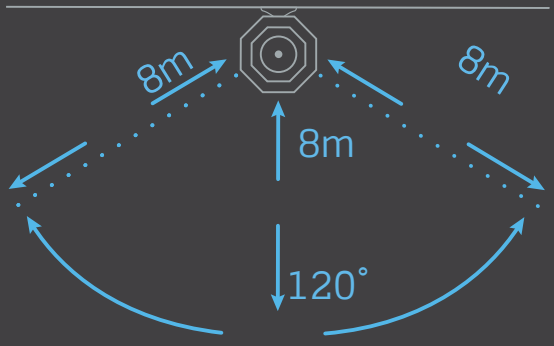
UP TO
700
LUMENS

Concealed LED light source

The concealed light source within Montella LED™ is warm white 3000K, making it ideal for domestic use.

PIR option

8M PIR DETECTION RANGE (120˚ WIDE)



- 8m range when mounted at 2m
- 120˚ field of detection
- IP44 PIR protection

Montella LED Lanterns

Traditional LED wall lanterns

2 year
Product guarantee

- Polycarbonate housing making them resistant to corrosion, ideal for coastal locations
- Ultra low energy 8.5W LED
- IP44 protection against dust and moisture
- Manual override facility on PIR model
- Discreet colour coded PIR
- Zero maintenance

CLASSIFICATION
Class 1
IP44 | 240V

LED

3000K

3000K | CRI: Ra (80)

FINISH
Black

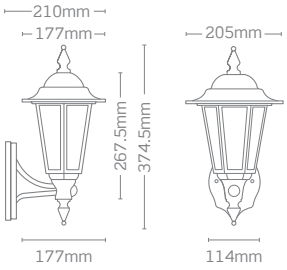
CONSTRUCTION
Body - Polycarbonate
Diffuser - Clear polycarbonate

PATENT
GB2509797

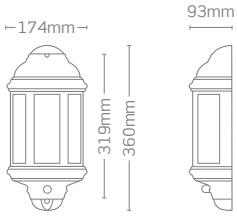
JC32021

JC32023

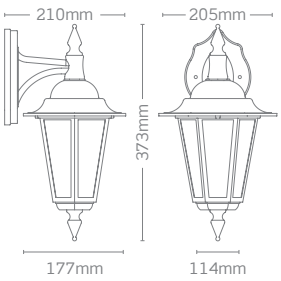
JC32021/22



JC32023/24



JC32025



CODE	DESCRIPTION	WATT	LUMENS
JC**32021**	Montella LED™ wall lantern with bottom arm	8.5W	700
JC**32022**	Montella LED™ wall lantern with bottom arm & PIR	8.5W	700
JC**32023**	Montella LED™ half lantern	8.5W	700
JC**32024**	Montella LED™ half lantern with PIR	8.5W	700
JC**32025**	Montella LED™ wall lantern with top arm	8.5W	700

NiteLED Lantern

Traditional LED wall lanterns

2 year
Product guarantee

- Over 75% energy saving against GLS
- Direct 42W halogen GLS replacement
- 8.5W mains LED, no driver required
- Cast aluminium body
- Zero maintenance, no need to relamp
- IP44 protection against dust and moisture
- Comes fully assembled

JC39419

CLASSIFICATION
Class 1
IP44 | 240V

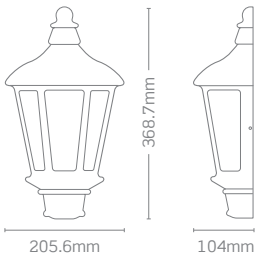
LED

4000K

4000K | CRI: Ra (80)

FINISH
Black

CONSTRUCTION
Body - Cast aluminium
Diffuser - Polycarbonate



CODE	DESCRIPTION	WATT	LUMENS
JC**39419**	NiteLED™ Lantern half wall	8.5W	700

CLASSIFICATION
Class 1
IP44 | 240V

LED

4000K

4000K | CRI: Ra (80)

FINISH
Black

CONSTRUCTION
Body - Cast aluminium
Diffuser - Polycarbonate

NiteLED Lantern

Traditional LED wall lanterns

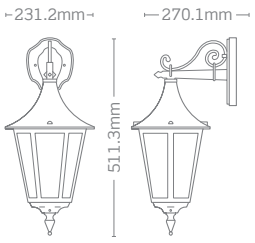
2 year
Product guarantee

- Over 75% energy saving against GLS
- Direct 42W halogen GLS replacement
- 8.5W mains LED, no driver required
- Cast aluminium body
- Zero maintenance, no need to relamp
- IP44 protection against dust and moisture
- Comes fully assembled

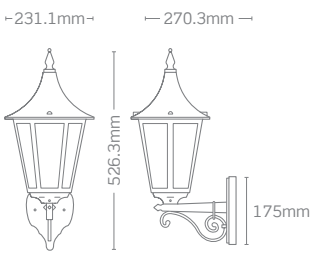
JC39420

JC39421

JC39420



JC39421



CODE	DESCRIPTION	WATT	LUMENS
JC**39420**	NiteLED™ Lantern with top arm	8.5W	700
JC**39421**	NiteLED™ Lantern with bottom arm	8.5W	700

Montella Lanterns

Traditional halogen wall lanterns

2 year
Product guarantee

LED equivalents
See page 225

- Polycarbonate housing making them resistant to corrosion and ideal for coastal locations
- Comes complete with plug and play connections for easy installation
- Manual override facility on PIR model
- Discreet colour coded PIR

JC32011BLK

JC32012WH

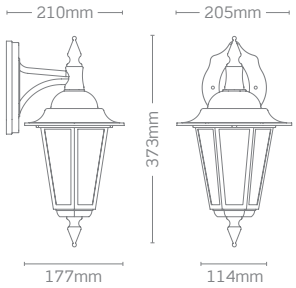
CLASSIFICATION
Class 2
IP44 | 240V

LAMP (NOT INCLUDED)
Halogen 42W E27 (GLS)

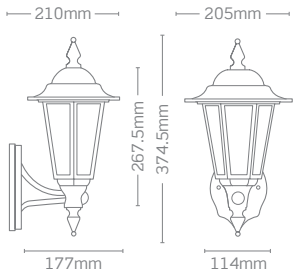
FINISH
Black, white

CONSTRUCTION
Body - Polycarbonate
Diffuser - Clear polycarbonate

JC32011



JC32010/12



CODE	DESCRIPTION	LAMP
JC**32010**	Montella wall lantern with bottom arm	Halogen 42W (GLS)
JC**32011**	Montella wall lantern with top arm	Halogen 42W (GLS)
JC**32012**	Montella wall lantern with bottom arm & PIR	Halogen 42W (GLS)

CLASSIFICATION
Class 2
IP44 | 240V

LAMP (NOT INCLUDED)
Halogen 42W E27 (GLS)

FINISH
Black, white

CONSTRUCTION
Body - Polycarbonate
Diffuser - Clear polycarbonate

Montella Lanterns

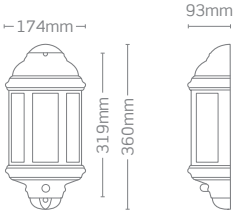
Traditional halogen wall lanterns

2 year
Product guarantee

LED equivalents
See page 225

- Polycarbonate housing making them resistant to corrosion and ideal for coastal locations
- Manual override facility on PIR model
- Discreet colour coded PIR

JC32017WH



CODE	DESCRIPTION	LAMP
JC**32015**	Montella half wall lantern	Halogen 42W (GLS)
JC**32017**	Montella half wall lantern with PIR	Halogen 42W (GLS)

Regal Lanterns

Traditional halogen wall lanterns

2 year
Product guarantee

LED equivalents
See page 227

- Six sided lanterns with versions for automatic switching

JC32001BLK

JC32002BLK

JC32003WH

CLASSIFICATION
Class 1
IP43 | 240V

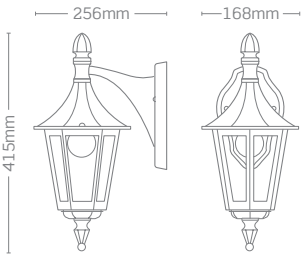
LAMP (NOT INCLUDED)
Halogen 42W E27 (GLS)

FINISH
Black, white

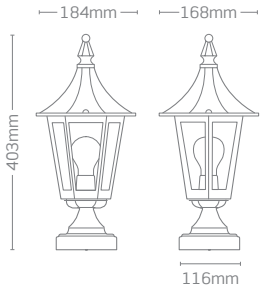
JC32002 - Black only

CONSTRUCTION
Body - Die-cast aluminium
Diffuser - Clear glass

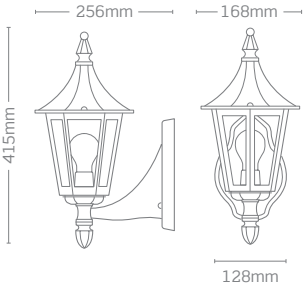
JC32001



JC32002



JC32003



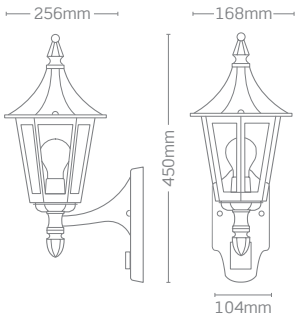
CODE	DESCRIPTION	LAMP
JC**32001**	Regal wall lantern with top arm	Halogen 42W (GLS)
JC**32002**	Regal pillar lantern	Halogen 42W (GLS)
JC**32003**	Regal wall lantern with bottom arm	Halogen 42W (GLS)

CLASSIFICATION
Class 1
IP43 | 240V

LAMP (NOT INCLUDED)
Halogen 42W E27 (GLS)
*Not suitable for CFL lamps

FINISH
Black

CONSTRUCTION
Body - Die cast aluminium
Diffuser - Glass



Regal Lanterns

Traditional halogen wall lanterns

2 year
Product guarantee

- Passive infra-red detector model
- Fixed 8m detection range
- 10 sec - 180 sec stay-on time
- Dusk-to-dawn sensitivity setting

JC32004BLK >

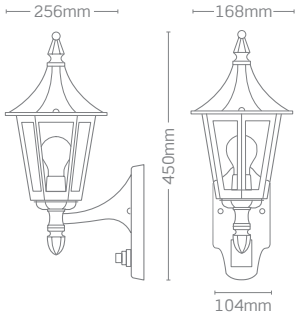
CODE	DESCRIPTION	LAMP
JC**32004**	Regal wall lantern with bottom arm & PIR*	Halogen 42W (GLS)

CLASSIFICATION
Class 1
IP43 | 240V

LAMP (NOT INCLUDED)
Halogen 42W E27 (GLS)
*Suitable for CFL lamps

FINISH
Black

CONSTRUCTION
Body - Die cast aluminium
Diffuser - Glass



Regal Lanterns

Traditional halogen wall lanterns

2 year
Product guarantee

- Photocell model
- Switches on automatically when the ambient light level falls below 8 lux and switches off automatically when the ambient light level exceeds 8 lux
- Suitable for use with CFL lamps

JC32005BLK >

CODE	DESCRIPTION	LAMP
JC**32005**	Regal wall lantern with bottom arm & photocell	Halogen 42W (GLS)

14

Leviton® Controls & Accessories

JCC® | a LEVITON® company

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TOUGHBAY™ SENSOR

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TOUGHLED™ SENSOR

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STEP DIMMING SENSOR

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FIREHOODS & FIRECAGES

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LOFT BRACES

LEVITON®

Toughbay™ Sensor

Reduce your LED energy consumption by a further 50%

Multi-function for complete control

ON/OFF SENSING

- Without occupancy the lights remain off
- Adjustable hold time from 5 secs - 30 minutes

STEP DIMMING

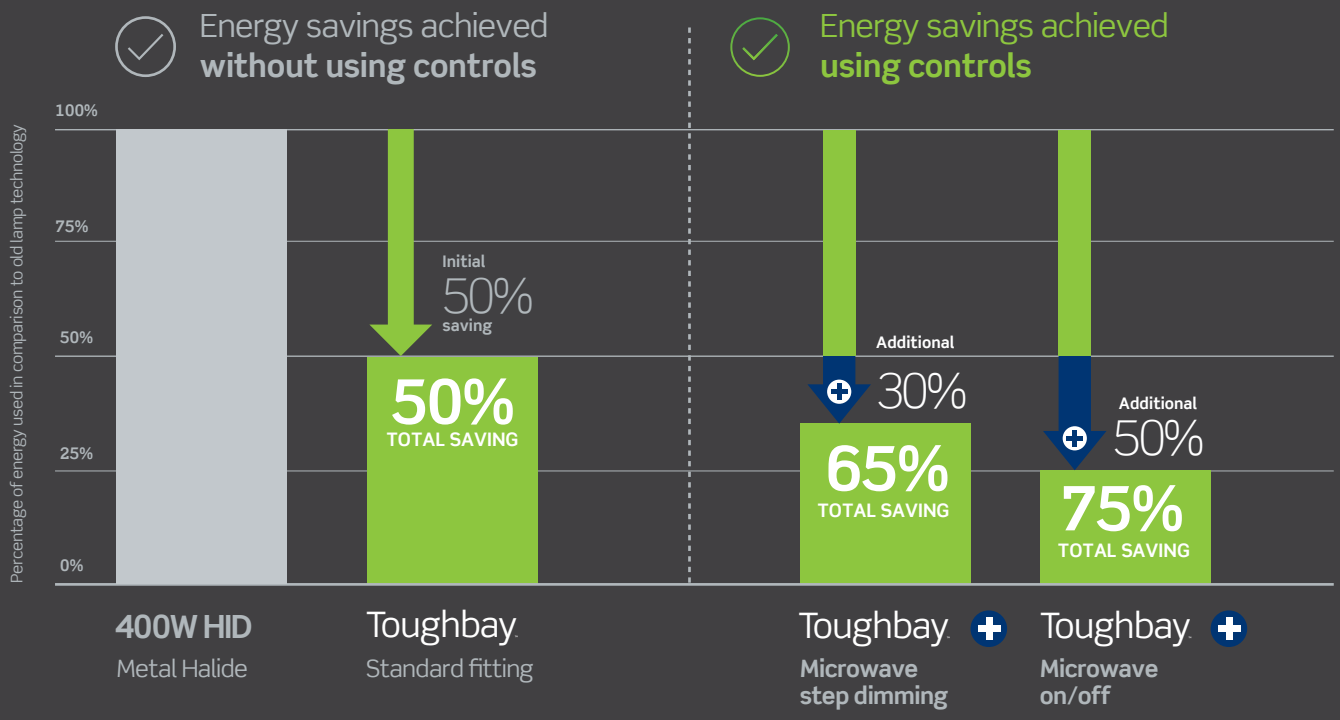
- Without occupancy the lights dim to 10%-50%
- Adjustable standby period up to 60 minutes

16M WIDE DETECTION

- Ultra wide 16m detection range

15M MOUNTING HEIGHT

- Suitable for up to 15m mounting heights



When combining Toughbay™ 230W with occupancy on/off sensing, an astonishing 75% energy savings can be achieved against 400W HID without compromising safety in the workplace.

Toughbay Sensor

1-10V step dimming microwave sensor

5 year
Extended warranty*

IP65
As standard

Toughbay™ Range
See pages 103-111

- 1-10V compatible with all Toughbay™ products
- Step dimming featured as standard
- Reflector clip, remote plate and fitting mount included with each sensor
- Available in black and white finishes
- Simple access to dip switches
- Comes pre-wired with 70cm flex cable
- IP65 as standard

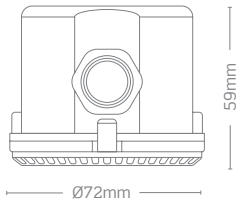
CLASSIFICATION
Class 2
IP65 | 240V

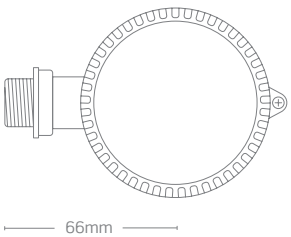
LOADING
1200W - LED (resistive)
800W LED max load

FINISH
Black, white

CONSTRUCTION
Polycarbonate

LEV71904BLK





Toughbay™ Circular
See page 103

Toughbay™ Linear
See page 109

CODE	DESCRIPTION	DETECTION RANGE	HOLD TIME
LEV**71904BLK**	Black sensor**	<15M	5 secs - 30 mins
LEV**71904WH**	White sensor**	<15M	5 secs - 30 mins

*Requires online registration

**Each sensor is supplied as standard with all 3 mounting accessories

ToughLED™ Microwave Sensor

Microwave on/off sensor

IP65
Option

ToughLED™ Range
See pages 91-95

- On/off microwave sensor available, pre-wired in IP65 enclosure or available individually
- Sensor can switch 400W of LED
- Hold time 10 seconds to 30 minutes
- Detection area control of 10%, 25%, 50%, 75% and 100%
- Detection height of up to 10m
- Integral photocell for daylight sensor

LEV71911

LEV71909

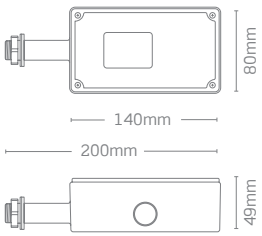
CLASSIFICATION
IP65 - LEV71911
IP20 - LEV71909
Class 2 (Sensor)

LOADING
400W - LED

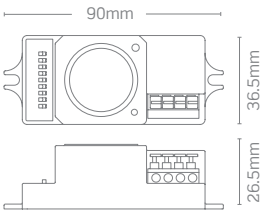
FINISH
Grey (JC71911)

CONSTRUCTION
Polycarbonate

JC71911



JC71909



CODE	DESCRIPTION
LEV**71911**	ToughLED™ IP65 box c/w microwave on/off sensor
LEV**71909**	Microwave on/off sensor

Step Dimming Sensor

1-10V step dimming microwave sensor

- Step dimming microwave sensor (1-10V dimming function)
- Hold time 10 seconds to 30 minutes
- Step dimming level control from 10% to 50%
- Integral photocell for daylight sensor
- Detection area up to 8m mounting height

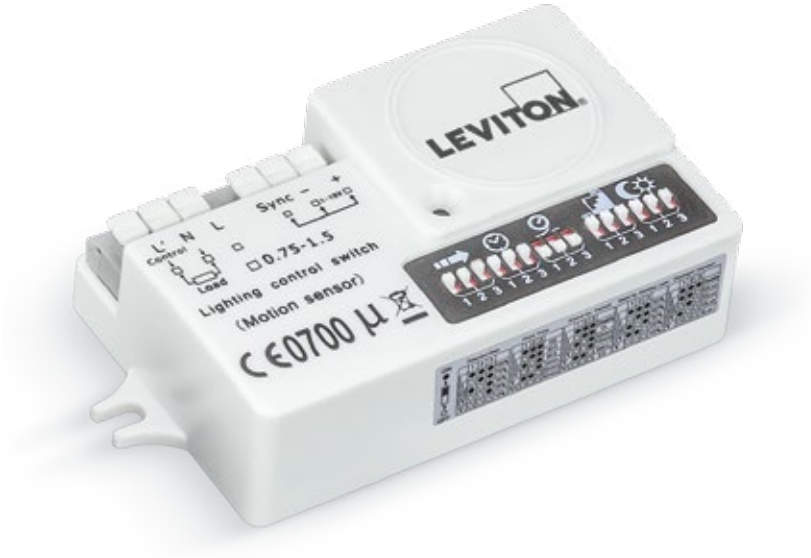
CLASSIFICATION
Class 2
IP20 | 240V

LOADING
800W - LED

FINISH
White

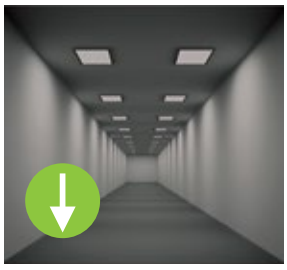
CONSTRUCTION
Polycarbonate

LEV71910

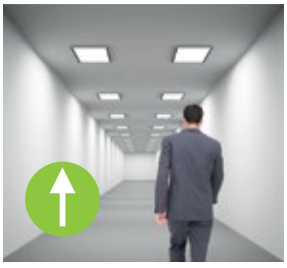


How step dimming works

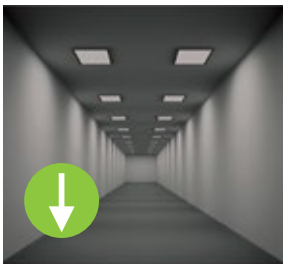
Ideal for corridors, aisles and walkways



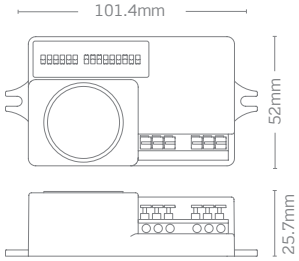
Standby dimming level
Lights run at lower output until movement is detected and can be set from 10% - 50% of full illumination level.



Occupancy detected
Upon detection of occupancy, lighting increases to full illumination.



Returns to standby level
Hold time can be adjusted from 10 seconds to 30 minutes after detection. Lighting levels return to standby dimming level to ensure maximum energy saving.



CODE	DESCRIPTION
LEV**71910**	Microwave step dimming sensor

Triac LED Dimmer

LED dimmer switch

2 year
Product guarantee

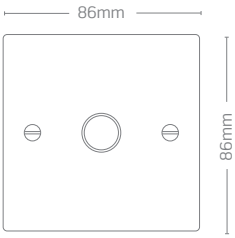
- Fully compatible with Hybrid™, FGLED®, Skydisc™ & Nebula™ ranges
- Maximum load of 100W LED
- Supplied as standard with white fascia plate (LEV71906)
- Flicker free performance

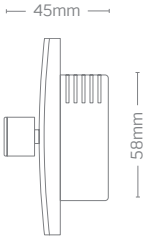
CLASSIFICATION
IP20

FINISH
White

LED DIMMER SWITCH MODULE
LEV71906MOD

LEV71906





CODE	DESCRIPTION	MAX LOAD
LEV**71906**	LED Dimmer Switch (switch plate and module)	100W LED
LEV**71906MOD**	LED Dimmer Switch Module (module only)	100W LED

PIR Detector

External PIR detection sensor

- Manual override feature
- Compatible with LED and halogen
- Can switch up to 500W of LED

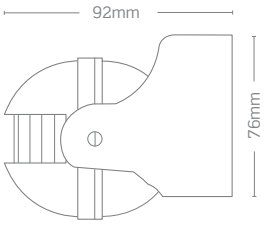
CLASSIFICATION
Class 1
IP44 | 240V

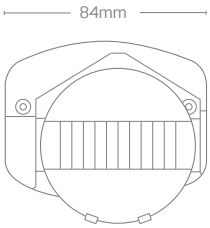
LOADING
1000W - Halogen only
500W - LED
300W - CFL

FINISH
Black, white

CONSTRUCTION
Body - Polycarbonate

LEV68003





CODE	DESCRIPTION	MAX LOAD	DETECTION RANGE	ANGLE OF VIEW	ON TIME
LEV**68003**	IP44 PIR	1000W*	12M	180°	10 sec-4 mins

Skytile Driver

Spare Skytile® non-dimmable drivers

Skytile® Range
See pages 70-73

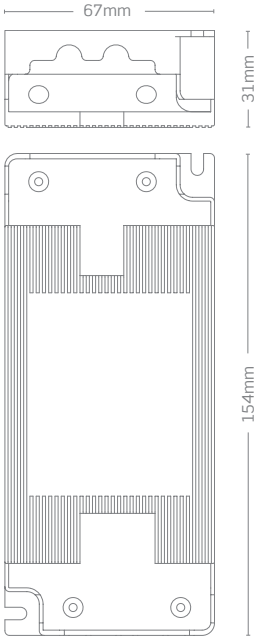
- Standard Skytile® driver
- Pre-wired with plug & play DC connector
- Please ensure correct driver is used for new upgraded 100 lpcW Skytile® or previous versions

CLASSIFICATION
Class 2
37W | 240V | 730mA
50W | 240V | 1500mA

FINISH
White

CONSTRUCTION
Body - Polycarbonate

BC00208



SKYTILE® 28W & 36W (NEW 2016 VERSIONS)

CODE	DESCRIPTION	MAX LOAD	CURRENT
BC00208	Skytile® driver – non-dimmable	37W	730mA

SKYTILE® 34W & 44W (PREVIOUS VERSIONS)

CODE	DESCRIPTION	MAX LOAD	CURRENT
BC00134	Skytile® driver – non-dimmable	50W	1500mA

Skytile Dimmable Drivers

Spare Skytile® non-dimmable drivers

Skytile® Range
See pages 70-73

- 1-10V and DALI Skytile® dimmable drivers
- Pre-wired with plug & play DC connector
- Please ensure correct driver is used for both new upgraded 100 lpcW Skytile® or previous versions

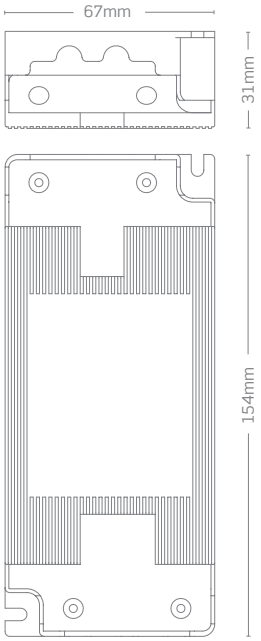
CLASSIFICATION
Class 2
37W | 240V | 730mA
50W | 240V | 1400mA

FINISH
White

CONSTRUCTION
Body - Polycarbonate

LEV71913

BC00233



SKYTILE® 600X600 28W & 36W (NEW 2016 VERSIONS)

CODE	DESCRIPTION	MAX LOAD	CURRENT
LEV**71913**	Skytile® 1-10V dimmable driver	50W	1400mA

SKYTILE® 600X600 34W & 44W (PREVIOUS VERSIONS)

CODE	DESCRIPTION	MAX LOAD	CURRENT
BC00233	Skytile®/1-10V/DALI dimmable driver	37W	730mA

Skytile Sense

NEW PRODUCT

Available Nov '16

Microwave presence detection LED panel

7 year
Extended warranty*

Microwave
Step-dimmable

Skytile® Range
See pages 68-79

- Wide and narrow microwave detection area modes for both office and corridor functions respectively
- Microwave step-dimmable to 10%, 25% and 50% levels
- Variable LED hold time and standby period
- Sensors can be wired in synchronised banks for seamless office integration
- Achieve up to 50% energy saving

CLASSIFICATION
Class 2
37W | 240V | 730mA

FINISH
White

CONSTRUCTION
Body - Polycarbonate

Panels are wired in two separate banks

Presence detection area

Skytile® integrated sensor driver

Skytile® Sense sits on the back of the panel and operates directly through the fixture

CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC71476PD	Skytile Base LED Panel Presence Detection	4200K	32W	2800
JC71478PD	Skytile Base LED Panel Presence Detection emergency	4200K	32W	2800
JC71276PD	Skytile LED Panel Presence Detection	4700K	28W	3000
JC71278PD	Skytile LED Panel Presence Detection emergency	4700K	28W	3000
JC71355PD	Skytile LED Panel Presence Detection	4000K	28W	3000
JC71356PD	Skytile LED Panel Presence Detection emergency	4000K	28W	3000

* Requires online registration. Skytile Base 3 year extended warranty only.

Skytile Sense

Daylight harvesting LED panel

NEW PRODUCT
Available Nov '16

7 year
Extended warranty*

Daylight
Harvesting

Skytile® Range
See pages 68-79

- Skytile panel automatically adapts to fluctuations in natural daylight to achieve target LUX level
- Target LUX level is pre-set by installer using DIP switches on driver
- Outstanding energy savings and reductions in running costs
- Simple installation, no need for additional wiring or commissioning
- Achieve up to 60% energy saving

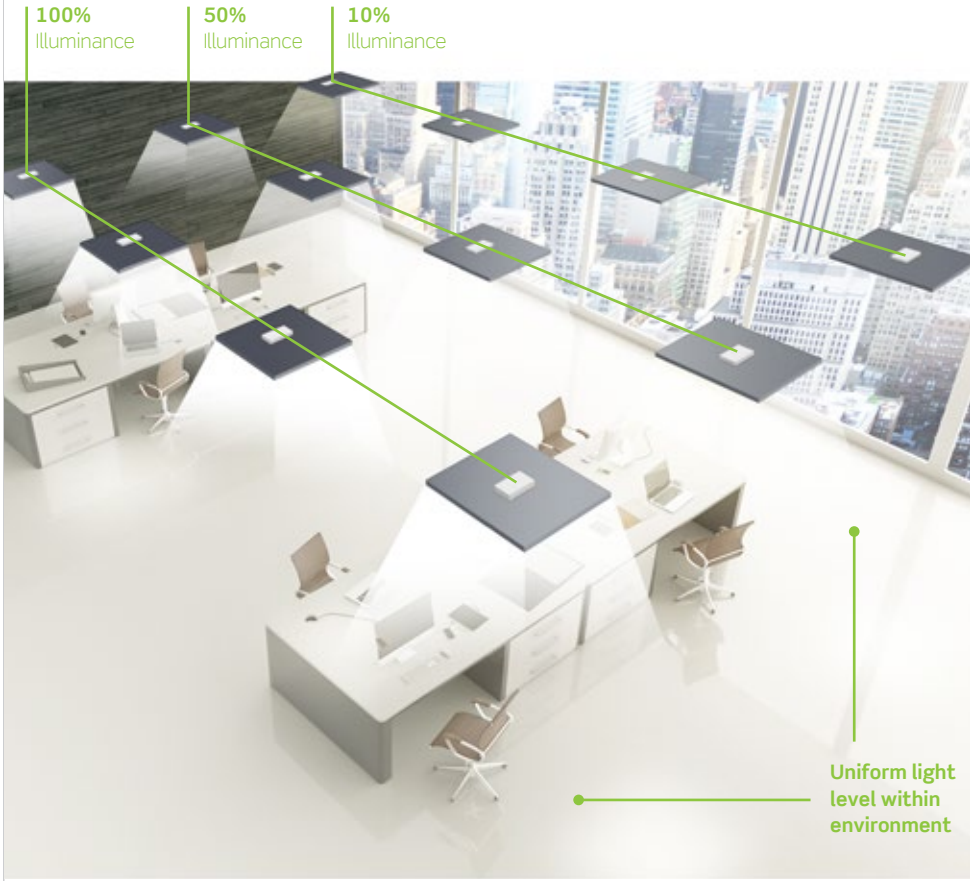
CLASSIFICATION
Class 2
37W I 240V I 730mA

FINISH
White

CONSTRUCTION
Body - Polycarbonate

Skytile® integrated sensor driver

Skytile® Sense sits on the back of the panel and operates directly through the fixture



Illuminance of fittings reduces to reflect levels of natural daylight within the room. Fixtures that are closer to windows reduce to save additional energy where full illuminance is not required.

CODE	DESCRIPTION	COLOUR TEMP.	WATT	LUMENS
JC71476DH	Skytile Base LED Panel Daylight Harvest	4200Kv	32W	2800
JC71478DH	Skytile Base LED Panel Daylight Harvest emergency	4200K	32W	2800
JC71276DH	Skytile LED Panel Daylight Harvest	4700K	28W	3000
JC71278DH	Skytile LED Panel Daylight Harvest emergency	4700K	28W	3000
JC71355DH	Skytile LED Panel Daylight Harvest	4000K	28W	3000
JC71356DH	Skytile LED Panel Daylight Harvest emergency	4000K	28W	3000

* Requires online registration. Skytile Base 3 year extended warranty only.

Firehoods & Firecages

Cover for recessed luminaires

- Cover for recessed luminaires when a fire ceiling is being penetrated
- In the event of a fire, the intumescent material maintains the fire rating of the ceiling
- Provides acoustic damping
- Firehoods may be installed from below the ceiling
- Offers protection to combustible materials within the ceiling void
- Fully tested for 60 minute compliance

JC93009

JC93001

CODE	DESCRIPTION	HEIGHT	LENGTH	WIDTH
JC**93001**	Firehood	150mm	180mm	180mm
JC**93002**	Firehood	200mm	180mm	180mm
JC**93003**	Firehood	160mm	210mm	210mm
JC**93004**	Firehood	200mm	210mm	210mm
JC**93005**	Firehood	160mm	250mm	250mm
JC**93006**	Firehood	200mm	250mm	250mm
JC**93007**	Firehood	250mm	250mm	250mm
JC**93008**	Firecage	200mm	400mm	250mm
JC**93009**	Firecage	200mm	650mm	650mm

FINISH
White

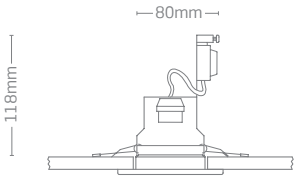
CONSTRUCTION
Body - Intumescent material

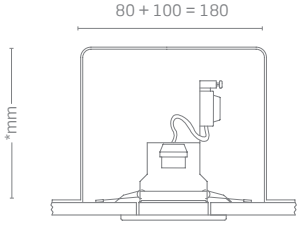
Luminaire covers required when installing into a fire break ceiling. Offers protection to combustible ceiling void materials. Also provides acoustic damping properties.

Firehoods are flexible and can be fitted from below the ceiling.

BS476: Part 21: 1987

FIREHOOD CLEARANCE
Overall Width + 100mm minimum
Overall Height + 25mm minimum





*118+25 = 143
Nearest (+) = 150

In this instance, the nearest Firehood size (allowing clearance) is JC93001 180mm dia x 150mm height.

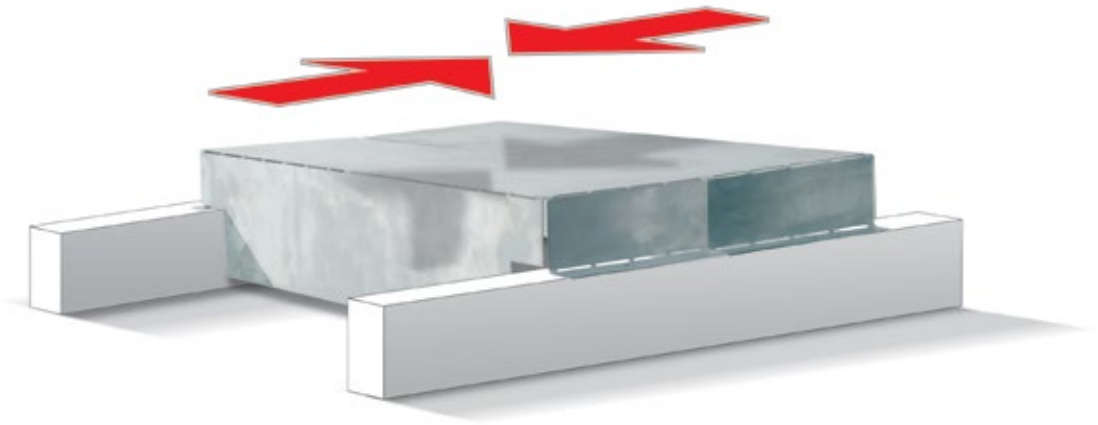
If and when necessary, use a larger Firehood. Clearances are minimum sizes.

Firehoods & Firecages

CODE	FIREHOOD	CODE	FIREHOOD
JC**2007**	JC**93001**	JC**5420**	JC**93008**
JC**2009**	JC**93003**	JC**5421**	JC**93008**
JC**2033**	JC**93001**	JC**5422**	JC**93008**
JC**2034**	JC**93001**	JC**5090**	JC**93007**
JC**3052**	JC**93001**	JC**71275**	JC**93008**
JC**5133**	JC**93007**		
JC**5133HF3M**	JC**93007**		

Loft Braces

- Aids the safe installation of recessed luminaires in cold loft areas



Market Requirements

The use of continuous mineral wool insulating materials makes it difficult to see where downlights have been installed and there is a risk that householders might step or place items of storage on top of the luminaire.

The solution

The JCC loft brace offers mechanical protection preventing accidental damage to the luminaire as well as the added benefit of additional air movement around the light fitting. Two sizes of brace are offered to span between 400mm and 600mm joist widths and are simply fitted over areas in a loft where a light fitting is present. This simple and economical solution is designed to offer mechanical protection over the luminaire allowing all building and lighting standards to be met.

CODE	DESCRIPTION
JC**94020**	Loft-brace for 400mm joist spacing
JC**94021**	Loft-brace for 600mm joist spacing

15

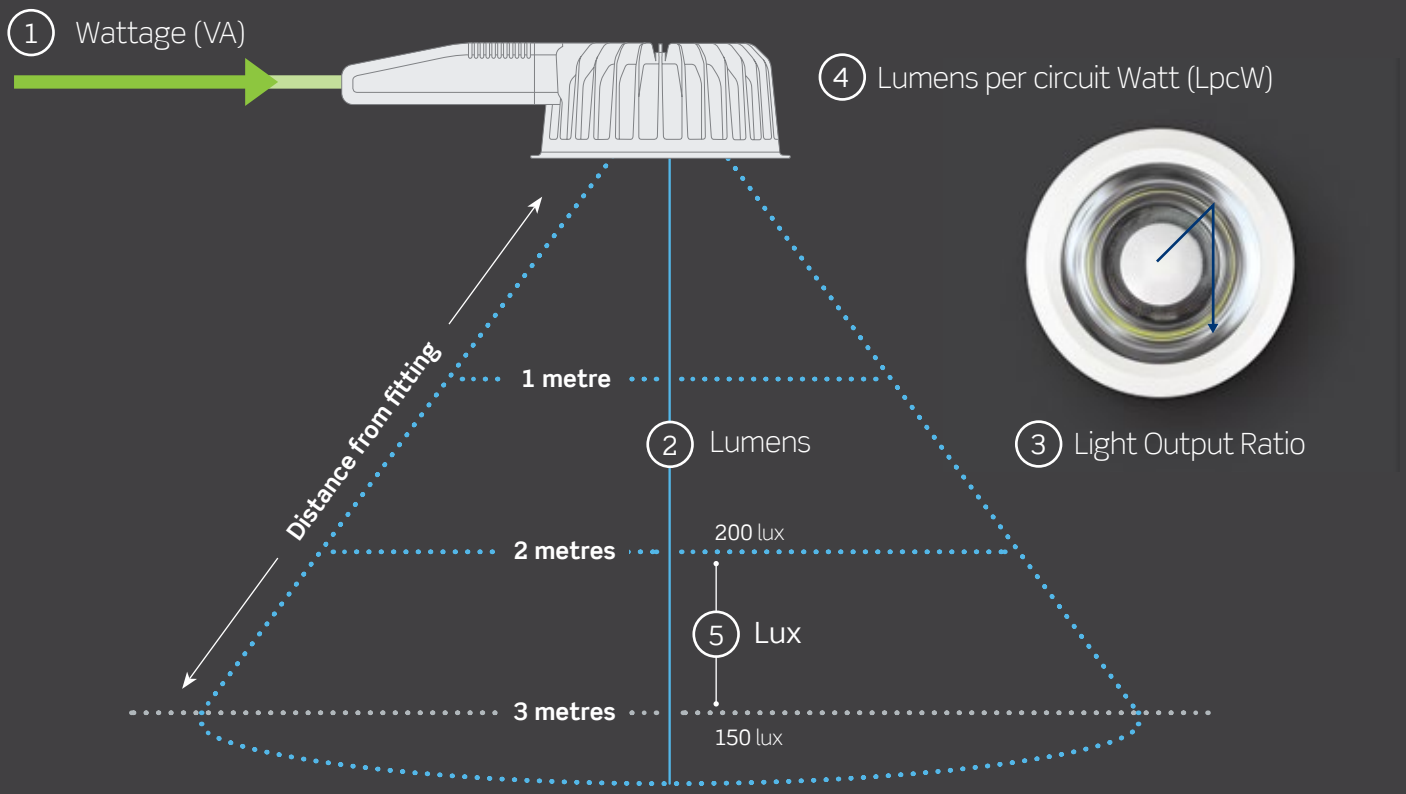
Technical

JCC® | a LEVITON® company

Lighting explained

A GUIDE TO COMMONLY USED TERMS WITHIN LIGHTING

For full information on understanding lighting performance, visit jcc.co.uk/lighting-explained



1

WATTAGE (VA)

A measure of the energy consumed by a fitting

A measure of power or the rate of energy consumption by an electrical device when it is in operation, calculated by multiplying the voltage at which an appliance operates by the current it draws (Watts = Volts X Amperes).

2

LUMENS

A measure of light output

A lumen is a unit of measurement that is used to express how much illumination a source of light provides.

3

LIGHT OUTPUT RATIO (LOR)

The proportion of light that finally leaves the light fitting

This is a measure of the efficiency of the fitting and is a ratio of the lumens leaving the light source and the lumens that finally leave the fitting.

4

LUMENS PER CIRCUIT WATT (LPCW)

The efficiency of the fitting

A calculation of the efficiency of a fitting. Lumens (3000) ÷ Wattage (50W) = 60 LpcW

5

LUX

A measure of light intensity

A measure of the intensity of light as seen by the human eye and measured by luminous flux per unit area. One lux is equal to one lumen per square metre.

COLOUR RENDERING INDEX (CRI)

The quality of light

A measure of the ability of a light source to reproduce the colours of various objects. A light source with a CRI of 100 (Ra) would be perfect and balanced in terms of colour reproduction, shading and contrast.

LUMEN DEPRECIATION (L70)

The deterioration in a lights performance after a time

Lumen depreciation values reflect the overall performance of a light source through its life. All light sources suffer from lumen depreciation, which can be accelerated by poor thermal conditions, over voltage or incorrect application. L70 is the operating time (hours) until the LED lumen output is depreciated to 70% of its initial lumens.

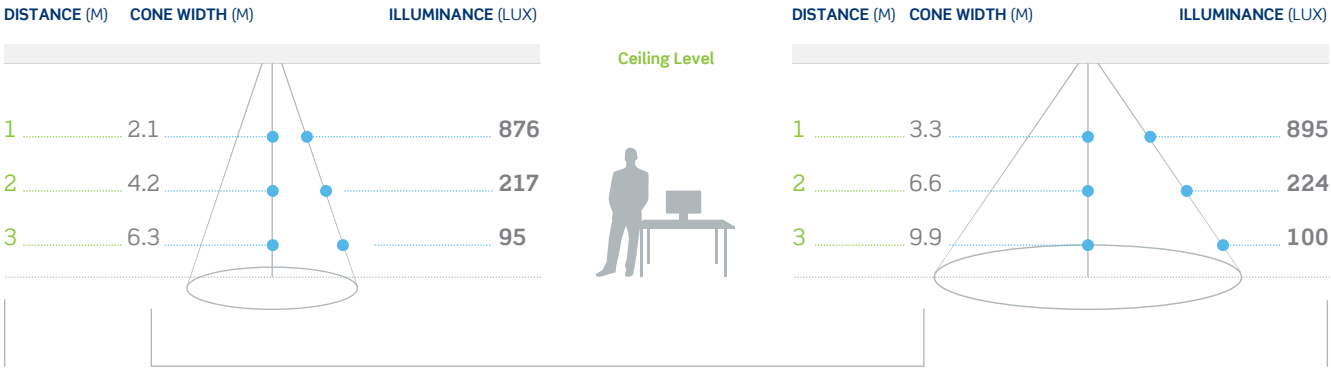
IP RATINGS

A fittings protection against dust and moisture

Ingress Protection (IP) is a value given to products that have particular protection against dust and/or moisture. The IP number is split, the first digit represents the level of protection against dust particles while the second digit represents the protection against moisture. For example IP00 has no protection against dust or moisture whilst a product with IP68 is dust tight and submersible up to 2m (see page 255 for more information).

Cone diagrams

Cone diagrams describe the amount of light at different distances from a fitting and are measured by the lux level.



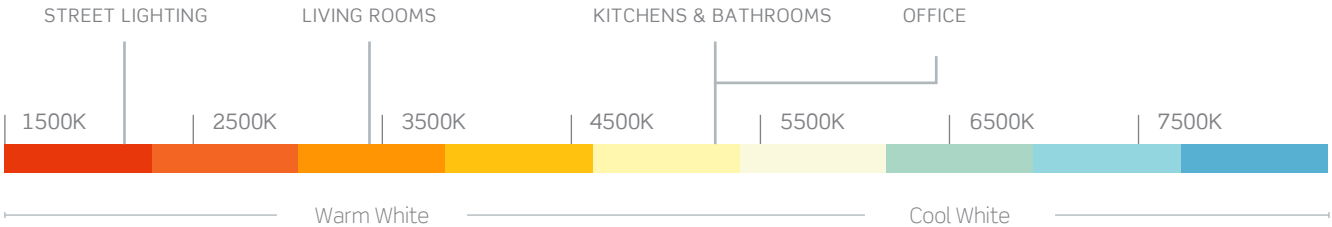
Distance from the ceiling in metres

The width the specified light intensity (lux) has spread at a measured distance (metres) from the fitting

The intensity of light measured by lux at distances from the fitting

Understanding colour temperature

The colour temperature of a light source is measured in degrees Kelvin. Below is a Kelvin temperature chart with examples of how colour temperature is used within different lighting applications.



High Pressure Sodium
2200K

Standard Incandescent
2700K

Clear Metal Halide
4000K

Cool White Fluorescent
4200K

Natural White Metal Halide
5000K

Building lighting basics

KEY FACTORS TO CONSIDER WHEN LIGHTING A BUILDING

It's important to understand who will be using the area and what will be the layout. The following is a simple checklist:

What is the primary use of the area?	The level of light required will depend upon the tasks performed within the area. See CIBSE guidelines below.
What colours are used within the decor?	Dark walls, flooring and furniture can absorb up to 80% of the light.
How much natural daylight enters the area?	Windows, exterior doors and skylights impact the level of light within an environment. To maintain constant light levels the area may require lighting control such as daylight harvesting (see page 259).
Is the ceiling suspended or solid?	Light fittings are often designed for a specific ceiling type. The ceiling within your application may dictate the relevant fittings required.
Is there electrical provision for wall mounted lights?	If lighting new areas where fittings do not replace previous lighting, chasing wiring into the wall may be necessary.
Which regulations are applicable?	The 2014 Building Regulations stipulate key attributes that are required for fittings used within certain areas (see page 256).
What level of maintenance does the area receive?	Without regular cleaning, the light output of all light fittings is reduced. Non-LED fittings require lamps to be replaced dependant upon lamp technology.
Are there environmental considerations?	Older lamp technologies such as CDM can considerably add to ambient room temperatures. Areas with heightened levels of dust, dirt and water may require a level of IP rating (see page 255).

What is the recommended light level?

CIBSE GUIDELINES

Public areas with dark surroundings, including car parks	**10 - 50 Lux**
Simple orientation for short visits	**100 - 150 Lux**
Warehouse racking	**150 Lux**
Warehouses, homes, theatres and archives	**150 - 200 Lux**
Simple office work and classrooms	**300 - 500 Lux**
Brighter areas such as bathrooms	**150 - 200 Lux**
Normal office work with computers	**300 - 500 Lux**
Supermarkets and workshops	**500 - 1000 Lux**

How to add interest to lighting

Good lighting design recognises the need for depth of view. Both ambient and accent lighting should be used, whilst combining colour temperatures to create a more comfortable working environment.

Ambient lighting is the general lighting within an area and typically contributes 80% of the overall lighting level.
- Skytile® is a good example of product designed for ambient lighting.

Accent lighting adds interest and depth to a design and should compliment but not conflict with the ambient lighting. This can include wall washing, the subtle use of colour, up lighting and spotlighting.
- Starscoop™ and Hybrid9™ are excellent for accent lighting.

Mixing warm & cool coloured lighting within a design can assist a design:
- The ambient lighting can be a cooler temperature to add a more commercial feel.
- Supplement with warm white as accent lighting to create a more dynamic environment.

Typical areas within commercial applications

A Meeting & boardroom

The main lighting should be focused on the table areas. Remember to allow control of lighting near screens and displays. Use accent lighting to provide depth, and consider lighting pictures and other features.

B Office area

Try to allow for flexible use of the space so that desks can be repositioned. The lighting on desks should be greater than general movement areas. Consider the opportunity to use natural daylight, this may require lighting control for daylight harvesting (see page 259). Adequately light emergency escape routes (see page 257).

C Reception

The reception area can provide a first impression of the business. The ambient and accent lighting should be varied to provide a dynamic feel.

D Stairwells

Primarily focus on safety by ensuring good light levels. Also consider the emergency requirements for emergency escape.

E Basement

Natural light and external views are unavailable and therefore it's vital to create depth of design by mixing accent and ambient light with variations in colour temperature.

F Showroom

The primary focus should be on the products being displayed. Track lighting can provide flexibility for changes of use (see StarSpot™ pages 162-167, 177-179). Good CRI (see page 249) is important to ensure that colours are displayed correctly, LED lighting can have good and consistent CRI. Also consider the reliability of the lighting, a long L70 (see page 249) is important or the products will become dimly lit over time as product performance deteriorates.

G Exterior

Consider the security requirements and the safe passage of people when entering and leaving the building. Good exterior lighting can dramatically change the look of a building so consider both lighting the area around the building and the elevations of the entrance area and side walls.

Lighting guides

GUIDE FOR THE NUMBER OF FITTINGS NEEDED FOR YOUR ROOM SIZE

Skytile Base

The direct fluorescent replacement

	5m	6m	7m	8m	9m	10m
5m	6	6	8	8	10	10
6m	6	8	8	9	12	12
7m	8	8	12	12	12	15
8m	8	9	12	12	16	16
9m	10	12	12	16	16	20
10m	10	12	15	16	16	20

Notes

1. All of the above quantities are for guidance only.
2. Based on office lighting level of circa 400 lux
3. 2.4m ceiling throughout
4. 0.8 maintenance factor
5. Reflectance of 70:50:20
6. Length/width in metres

FGLED10

The high output fire rated LED downlight

	2m	3m	4m	5m	6m	7m	8m	9m	10m
2m	2 / 1	4 / 2	6 / 3	6 / 3	8 / 4	8 / 4	10 / 5	10 / 6	12 / 6
3m	4 / 2	6 / 4	9 / 4	9 / 4	12 / 6	12 / 6	12 / 6	16 / 8	16 / 8
4m	6 / 3	9 / 4	12 / 6	12 / 6	16 / 6	16 / 8	20 / 8	20 / 9	25 / 12
5m	6 / 3	9 / 4	12 / 6	16 / 9	20 / 9	20 / 9	25 / 12	25 / 12	30 / 12
6m	8 / 4	12 / 6	16 / 6	20 / 9	20 / 9	20 / 12	25 / 12	30 / 16	36 / 16
7m	8 / 4	12 / 6	20 / 7	25 / 9	25 / 12	30 / 12	30 / 16	36 / 16	36 / 16
8m	10 / 5	12 / 6	20 / 8	25 / 12	25 / 12	30 / 16	36 / 16	42 / 20	42 / 20
9m	10 / 6	16 / 8	20 / 9	25 / 12	30 / 16	36 / 16	42 / 20	49 / 20	49 / 20
10m	12 / 6	16 / 8	25 / 12	30 / 12	36 / 16	36 / 16	42 / 20	49 / 20	49 / 25

Indicates approx. number of 50W GU10 halogen fitting

Indicates approx. number of FGLED® fittings

	50W GU10 Halogen			FGLED10®		
Lux	Fitting Arrangement	Total	Approx. Spacing	Fitting Arrangement	Total	Approx. Spacing
150	4x5	20	1.23m	3x3	9	1.83m
200	5x5	25	1.10m	3x4	12	1.58m
250	6x5	30	1.00m	4x4	16	1.38m
350	7x6	42	0.85m	5x4	20	1.23m
450	7x7	49	0.79m	5x5	25	1.10m

FGLED6

The high performance fire rated LED downlight

	2m	3m	4m	5m	6m	7m	8m	9m	10m
2m	1	2	3	8	8	10	10	12	12
3m	2	4	4	8	10	10	12	15	15
4m	3	4	4	9	12	15	15	18	18
5m	4	6	6	12	15	18	20	20	24
6m	4	6	8	9	12	12	15	18	20
7m	5	8	9	12	12	16	16	20	20
8m	5	8	10	12	15	16	20	24	24
9m	6	8	12	15	18	20	24	25	30
10m	12	15	18	24	30	35	35	42	49

FGLED3

The cost effective fire rated LED downlight

	2m	3m	4m	5m	6m	7m	8m	9m	10m
2m	2	3	6	8	8	10	10	12	12
3m	3	6	6	8	10	10	12	15	15
4m	6	6	9	9	12	15	15	18	18
5m	8	8	9	12	15	18	20	20	24
6m	8	10	12	15	20	20	24	24	30
7m	10	10	15	18	20	25	25	30	35
8m	10	12	15	20	24	25	30	35	35
9m	12	15	18	20	24	30	35	36	42
10m	12	15	18	24	30	35	35	42	49

Notes to the above

1. Based on cool white (4000K) fitting
2. 2.5m ceiling height

Understanding bathroom zones

IEE Wiring Regulations, BS 7671: 2008, Section 701 gives requirements for areas containing a bath or shower. This document should be consulted before installation of appliances.

Areas of the bathroom are split into zones. As a guide only, the requirements for luminaries in each zone may be summarised as follows. Particular care should also be taken with wash basins. Guidance for these are also contained within BS 7671.

Zone 0

Refers to the interior of the bath or shower that can hold water. Requires electrical products to be low voltage (max. 12V) and rated IPX7.

Zone 1

Refers to the area above the bath or shower up to a height of 2.25 metres and requires a minimum rating of IPX4 (splash-proof), plus RCD protection. IPX5 should be considered if water jets may be present i.e. for cleaning purposes.

Zone 2

Covers an area 0.6 metres wide immediately next to, and all around Zone 1. Wash basins should also be treated as Zone 2. The minimum rating here is IPX4.

1 Zone 1 products

15
HYBRID9™

19
HYBRID7™

23
FGLED10®

25
FGLED6®

31
FGLED3®

38
MAINS SHOWERLIGHT

2 Zone 2 products

157
BODO

158
DORCHESTER

159
BERKELEY

IP Numbers
Protection explained

Explanation of IP numbers for degree of protection (for example: IP65)

First Numeral	Short Description
0	Non-protected
1	Protected against solid objects greater than 50mm
2	Protected against solid objects greater than 12mm
3	Protected against solid objects greater than 2.5mm
4	Protected against solid objects greater than 1.0mm
5	Dust - Protected
6	Dust - Tight

Example **IP6X**

Second Numeral	Short Description
0	Non-protected
1	Protected against dripping water
2	Protected against dripping water when tilted up to 15°
3	Protected against spraying water
4	Protected against splashing water
5	Protected against water jets
6	Protected against heavy seas
7	Protected against the effects of immersion
8	Protected against submersion

Example **IPX5**

2014 Building Regulations Part L

Non-Domestic/Commercial

MINIMUM LIGHT FITTING PERFORMANCE

- **General lighting in office and industrial** – 60 lumens per circuit Watt
- **Display lighting** – 22 lumens per circuit Watt

LIGHTING CONTROLS WILL REDUCE THE REQUIRED EFFICIENCY OF THE LIGHT FITTING

		Control factor										
A	Day lit space with photo-switching with or without override	0.90	✓					+	+			
B	Day lit space with photo-switching with or without override + dimming	0.85		✓						+	+	
C	Unoccupied space with automatic on/off occupancy	0.90			✓			+		+		+
D	Unoccupied space with manual on/off occupancy	0.85				✓			+		+	
E	Space not day lit, dimmed for constant illuminance	0.90					✓					+
	Minimum performance required from a fitting with lighting controls		54	51	54	51	54	48	45	45	42	48
								Combined LpcW				

Introducing LENI (Light Energy Numeric Indicator)

LENI is a measurement of the buildings energy performance in energy usage per sq/m.

The methodology:

Divides the building into zones according to:

- **Task type** – and hence required luminance (see page 250)
- **Daylight availability**
- **Annual usage**

- Calculates annual all-lights-on power usage for each zone
- Discounts by applicable control factors
- Adds fixed allowance for standby power consumption
- Compares the result with the Part L allowance

For more information: **www.thelia.org.uk** and see lighting guides.

Domestic

MINIMUM LIGHT FITTING PERFORMANCE

- **Internal lighting** - At least 75% of all the light fittings in the main dwelling spaces (excluding infrequently accessed spaces used for storage) must have light fittings with an efficacy greater than 45 lumens per circuit Watt and total light output greater than 400 lumens.

  - Light fittings of less than 5 circuit Watts, such as FGLED3®, are excluded from the calculation.

- **External lighting**

  Either

  - Light fitting and lamps of greater than 100 Watts must be automatically controlled to switch off after the area becomes unoccupied and automatically controlled to switch off when daylight is sufficient.

  Or

  - If the light fittings are better than 45 lumens per circuit Watt then they should be automatically controlled, so as to switch off when daylight is sufficient and can be manually controllable.

Emergency lighting

What is an emergency light fitting?

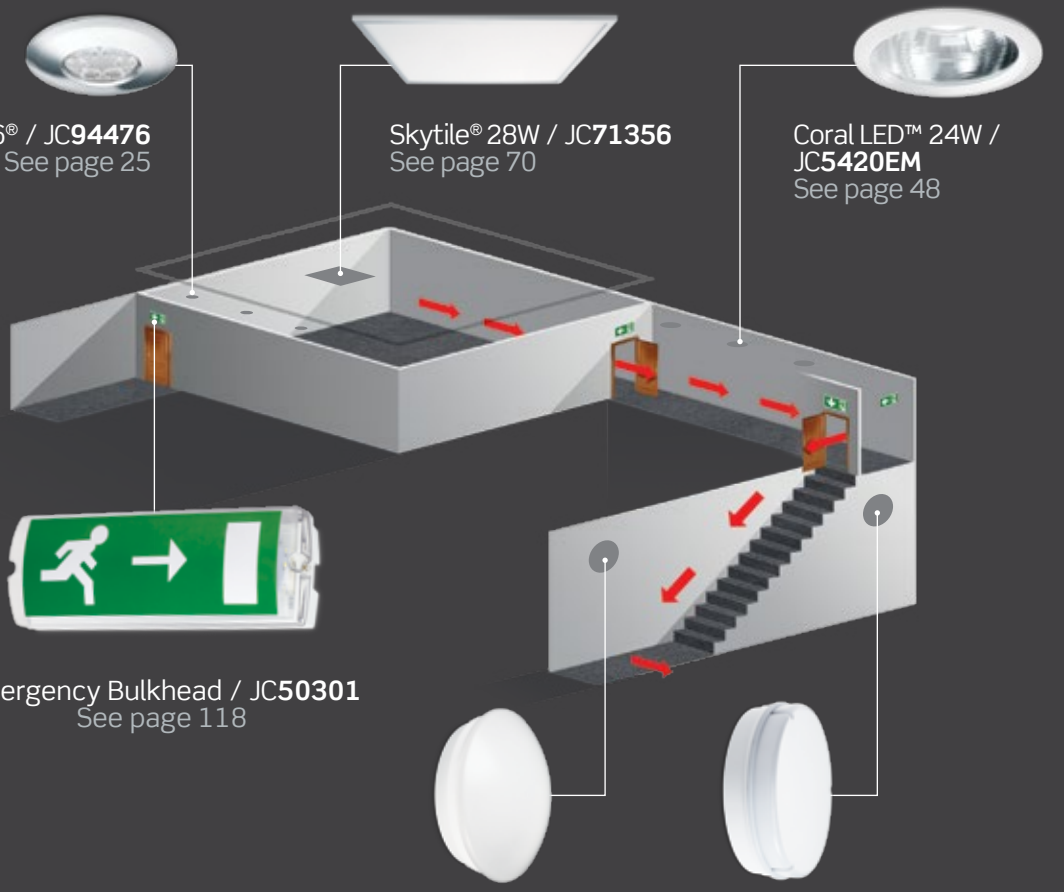
Emergency light fittings include a battery as a backup power source that is continuously charged. Emergency light fittings can tell when the power has failed and immediately switch to using the backup battery. The battery needs to power the light fitting for a minimum of 3 hours. To conserve power, the light output from the fitting is reduced, often to 10% of the normal light output.

What are the different types of emergency light fittings?

Maintained fitting – will operate as a normal light fitting and be controlled with all the other lights in the area, however when the power fails the maintained emergency fitting will continue to operate but, at a lower light level.

Non-maintained fitting – is normally switched off, with its batteries being continuously charged and a green LED showing fully charged. When the power fails then the fitting switches on using its battery supply. Non-maintained fittings are not part of the general lighting but are fittings such as emergency exit signs.

All JCC emergency light fittings can operate as a maintained and non-maintained light.



FGLED6® / JC**94476**
See page 25

Skytile® 28W / JC**71356**
See page 70

Coral LED™ 24W / JC**5420EM**
See page 48

Emergency Bulkhead / JC**50301**
See page 118

RadiaLED® Style / JC**23209**
See page 135

RadiaLED® Utility / JC**23203**
See page 133

Open areas

The non-obstructed, quickest and safest escape route must be lit to a minimum of 1 lux during an emergency. If the open area is less than 60m² and isn't part of an escape route then emergency lighting isn't required, however the exit doors for the emergency escape route must have signs or an emergency bulkhead light.

An escape route such as a designated corridor

An escape route must be unobstructed and lit to a minimum of 1 lux during an emergency.

Stairwells

Due to increased hazards, these areas need to be lit to a minimum of 2 lux during an emergency.

Controlling lighting

Why control lighting?

Switching to LED from traditional lighting technology, such as halogen or fluorescent, can provide up to 90% energy savings. However, LED lighting can provide other benefits, such as instantly controlling on/off without deterioration in the fittings operating life. These benefits are suitable for lighting control and allow for significantly improved energy savings and a better lit environment.

Lighting controls can provide an additional 50% energy saving

The government recognises the benefit of lighting control and is starting to introduce regulation that focuses on improvements in the energy efficiency of a complete building. The introduction of Building Regulations Part L (2013) is an example of this change and introduces the concept of a Lighting Energy Numeric Indicator (LENI – see page 256) that calculates the energy usage of a building per metre^2.

LENI

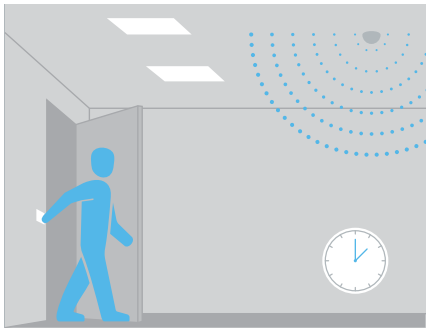
LENI is a new measurement of lighting that changes the focus from the performance of an individual fitting, to the performance of the full lighting installation (see page 256).

What are the types of lighting control?

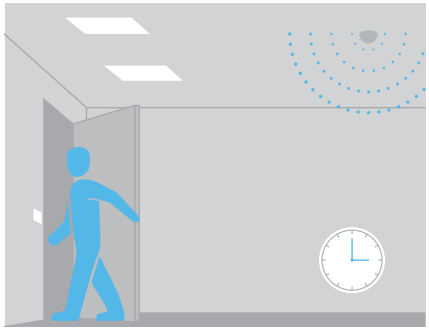
Good lighting control systems should adjust the lighting to compensate for changes in daylight levels and the usage of the area. The main types of control are:

1 ABSENCE DETECTION

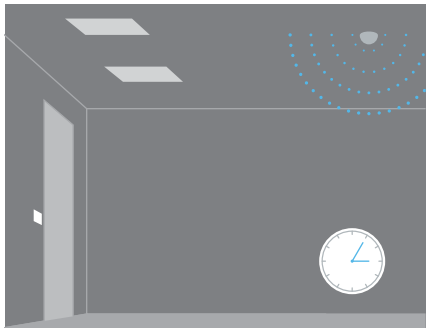
Manual on, auto off



Lighting is switched on using a time switch or detection from an occupancy sensor.



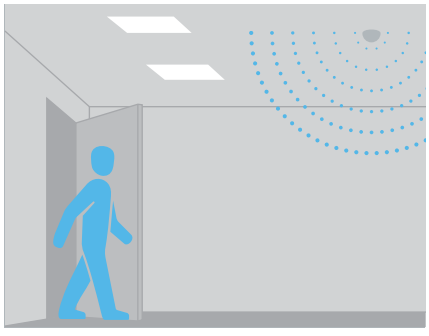
The lighting stays on using a timer.



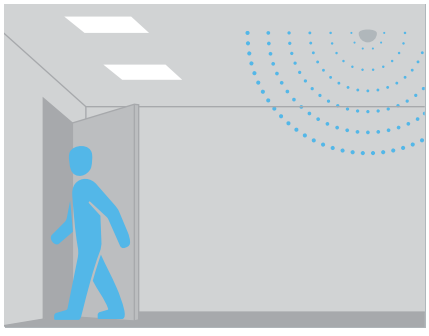
The lighting is automatically switched off after a specified period of time.

2 PRESENCE DETECTION

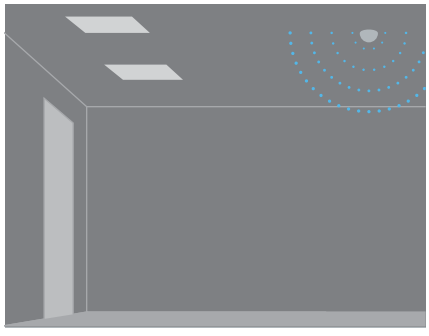
Auto on, auto off



The lighting is switched on after detection by an occupancy sensor.



The sensor detects any further activity.

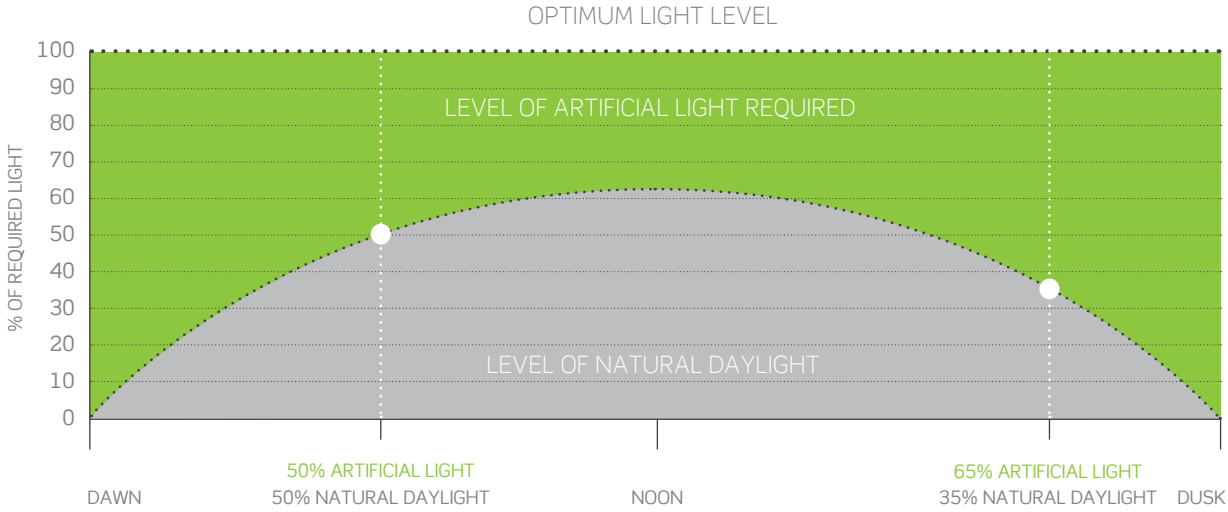


The lighting is switched off when the sensor doesn't detect any further activity.

3 DAYLIGHT COMPENSATION

Harvesting

The cheapest and best form of lighting is natural daylight. Lighting controls can be designed to adjust the light output from the light fittings when the amount of daylight in a room changes throughout the day and seasons.



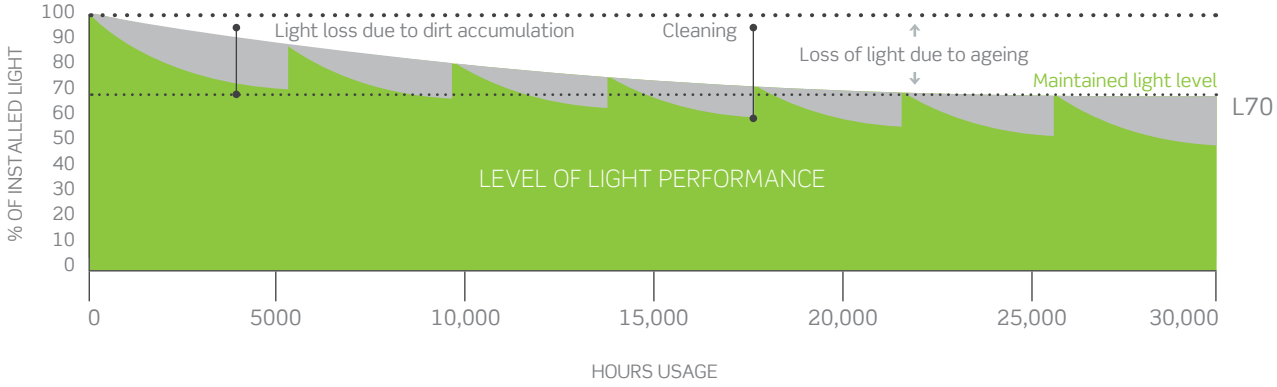
4 CONSTANT ILLUMINANCE

Light fittings lose some of their brightness over time, measured as the time taken to lose 30% of the original light output (L70). LED lights generally have a much better L70 performance than traditional lighting. If lighting controls are used then the area can be maintained at the correct level (maintained level).

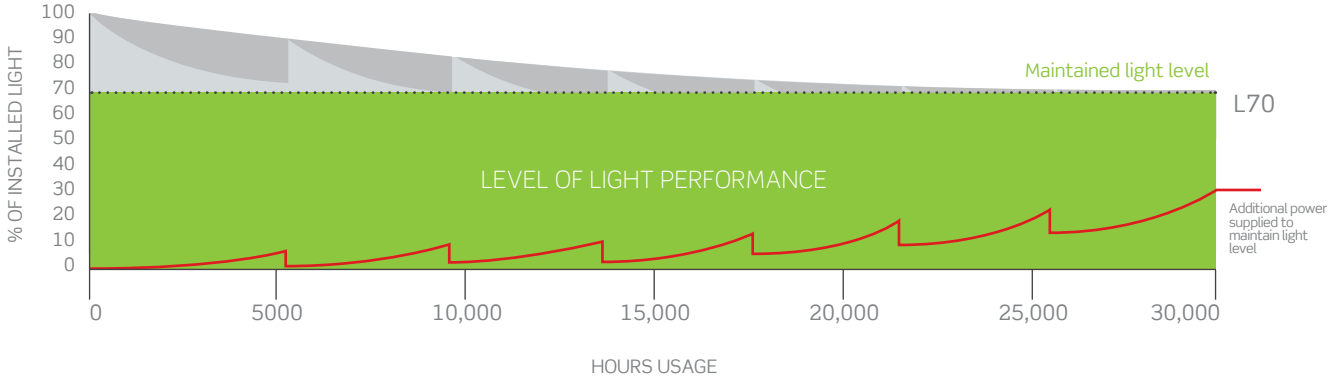
However, if controls are not used then the options available are to:

- Initially over-light an area which will achieve the correct future lighting level, or
- Initially light an area to the correct level and accept that in future the light level will deteriorate.

WITHOUT CONSTANT ILLUMINANCE



WITH CONSTANT ILLUMINANCE



Components of lighting control systems

A lighting control system is constructed from a range of individual components that may be supplied by different manufacturers. Understanding these components and their ease of integration is important when designing a good lighting control system.

DRIVERS

Drivers are the electronic systems that manage the power to an LED fitting and therefore change the light output.
The primary driver types are:

Non-dimmable	The driver cannot adjust the power to the LED fitting and can therefore only be switched on/off.
Dimmable	The power to the LED fitting is changed by the driver when it receives a signal from a controller.
Step dimming	The power to the LED fitting can be changed but only in fixed incremental amounts. This is useful when limited illumination is required for safety or security.

DETECTORS

Detectors provide the lighting control system with information on its environment; has the light level changed or are there people in the area? Multi-sensor technologies can be combined into a single detector or operate separately.
The primary sensor types are:

PIR	Identifies people by looking for changes in the heat pattern, heat is always generated by people.
Microwave	A transmitter sends out microwaves that bounce off people and are received back at the sensor. These detectors can be more robust than a PIR but travel through walls and can cause unplanned detection.
Ultrasonic	Operate on the Doppler principle by emitting ultrasonic high-frequency sound waves into the room and then monitoring the variations of that signal as they return to a microphone within the sensor.
Photocell	Detects the amount of light entering the sensor.

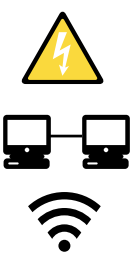
SWITCHES

Switches are the manual method of managing lighting.
The primary switch types are:

On/off	Simply interrupts the electrical supply to the light fitting.
On/off timed	Switches the lights on for a pre-programmed time and are often used in communal access corridors and staircases.
Dimmable	Switches allow adjustment of the lighting, often adjusted by rotation or the length of time the switch is held down.

TRANSMISSION OPTIONS

There are three primary types of transmitting control information to light fittings:



Mains power	Simple to install as it only requires a mains supply cable and is used for applications that use limited power such as domestic lighting. Phase dimming uses this form of transmission and the dimmable FGLED® range uses this technology.
Separate control wire	Used to control most commercial applications where the power usage is greater. Allows the transmission of 1-10 Volt, DALI, and DSI directly to the light fittings.
Wireless transmission	Used to transmit a digital signal and doesn't require a separate control wire, however wireless links can suffer interference and are limited in range particularly where walls and metal objects exist. ZigBee is an example standard that allows meshing to increase range and reliability.

Communication protocols

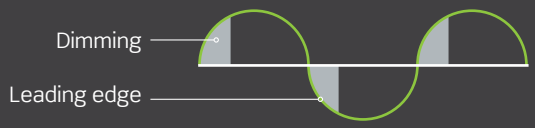
Communications protocols are the method of transmitting information to the light fittings.

PHASE DIMMING

Uses the mains alternating current (AC) to reduce power to the light fitting by cutting out sections of the AC supply. Phase dimming was designed for traditional lighting technology and is common in lower power domestic lighting but is unsuitable for commercial applications due to the larger power requirements.

The supply can be cut from:

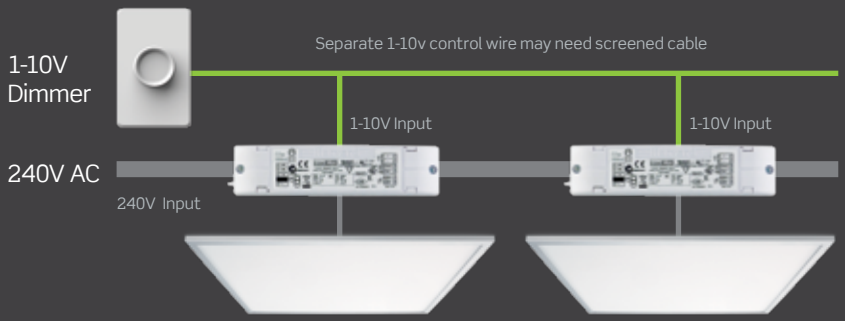
- The front of the AC wave (leading edge dimming) and/or
- The back edge (trailing edge dimming)

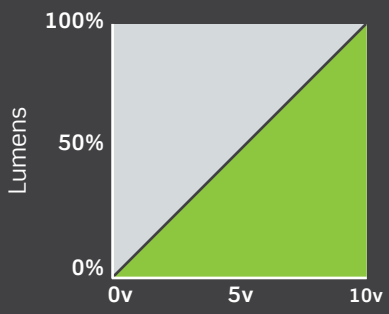


- Separate control wire not required
- For lower power applications

1-10 VOLT ANALOGUE

Uses a separate control wire to notify the driver that the power to the LEDs should be changed. The separate control signal is a direct current (DC) and can be adjusted from 1 up to 10 volts, the voltage level is interpreted by the driver to set the LED power.



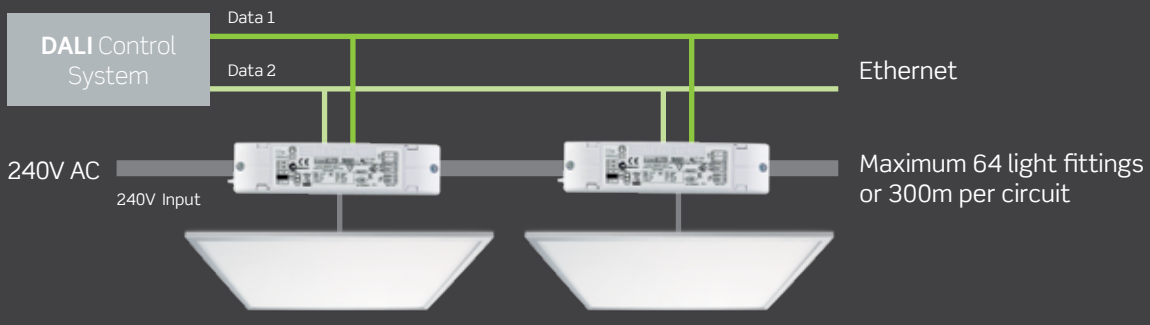


- No setup, easy installation
- No third party commissioning or site visit

This method of control is a low current system (typically 1mA) meaning it can be run along relatively thin cables with little voltage drop and depending on dimmer manufacturer recommendations, allows for up to 50 LED dimmable drivers on one wall mounted dimmer.

DALI (DIGITAL ADDRESSABLE LIGHTING INTERFACE)

This is a digital communications protocol that was developed for the lighting industry. A separate control wire or BUS is used to send digital information to light fittings and allows the individual light fittings and sensors to communicate with an advanced lighting control system. Although DALI is a standard protocol beware of mixing components between manufacturers without first testing. Along with the correct LED driver the DALI system requires additional control equipment including DALI BUS controllers, power supplies, sensors and user interfaces.



- Fully programmable lighting sleeves
- Individually addressable light fittings

DSI (Digital Serial Interface) – developed by Tridonic, the driver manufacturer. The specification is simpler than DALI but doesn't have the same general industry support.

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JCC® | a LEVITON® company

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All information is correct at the time of printing, but may be subject to change without prior notice. For the latest information of product specifications, please refer to our website: **jcc.co.uk**

Notes

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Notes

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