



SMART SOLUTIONS FOR LED LIGHTING

Industrial & Commercial







LUX was born creating a family of premium industrial and commercial LED lighting products within the UK market

EXPERTLY MADE IN ITALY PROFESSIONALLY DISTRIBUTED IN THE UK

Established in 1946, Lewden is renowned as a supplier of high quality, innovative electrical solutions in the UK market. The engineering prowess of the company was enhanced in 2006 when it became a part of the Palazzoli group.

With over a hundred years of industrial excellence as a manufacturer of electrical products, Palazzoli has a state of the art manufacturing plant in Brescia, Northern Italy boasting the latest technology and innovation in developing quality engineered products.

Its lighting division has expertly engineered, designed and manufactured leading commercial and industrial lighting fixtures within the European market for over thirty years.









TESTING & WARRANTY

Each fitting is 100% individually tested with 24hr burn-in tests in our Italian manufacturing facility.

All products are certified to the latest European standards. Expertly made in Italy all products are professionally distributed within the UK through Lewden.

Our experienced lighting product designers continue to work with specifiers, architects and installers as they strive for excellence in meeting the ever-changing needs of customers.







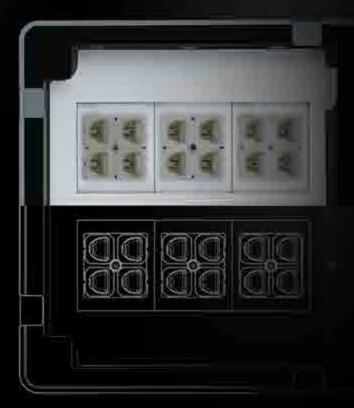


FUTURE PROOF AESTHETIC DESIGN

All Lewden Lux products have been developed with a "future-proof" chassis. As the technology within our products changes, the aesthetics of the product remains the same ensuring that replacement fixtures will retain an identical appearance when installed alongside existing fixtures.

All of our products carry a five year warranty that is simply claimed through proof of purchase.

Lewden is a member of the Lighting Industry Association (LIA) and Lumicom to ensure compliance to best industry practices and that we are at the forefront of the latest industry developments





KEY PERFORMANCE CRITERIA

Ingress Protection Rating

Our LUX range of light fixtures is totally protected against ingress of dust and the effects of being subject to powerful jets of water and temporary water immersion within defined duration and pressure

1st digit PROTECTION AGAINST PENETRATION OF SOLID FOREIGN BODIES

Totally protected against dust.

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conditions in the international standard EN 60529 (British BS EN 60529:1992, European IEC 60509:1989).

2nd digit PROTECTION AGAINST PENETRATION OF LIQUID

5	Protected against jets of water coming from all directions.
6	Protected against powerful water jets.
7	Protected against the effects of temporary water immersion within defined duration and pressure conditions.

Corrosion Criteria

ISO 9223:2012 establishes a classification system for the corrosion of metals and alloys, corrosivity of atmospheres, their classification, determinations and estimation. It defines corrosivity categories for the atmospheric environments by the first-year corrosion rate of standard specimens and makes possible an informative estimation of the corrosivity category based on knowledge of the local environmental situation. Our lighting fixtures have a range of corrosion classes from C3 to C5 that makes them suitable for exterior installations in urban and industrial environments with low to high levels of pollution or coastal areas with low to high concentration of chlorides and interior manufacturing spaces with high humidity and high air pollution, for example swimming pools, chemical plants, buildings or permanent condensation areas.

CORROSION	TYPICAL ENVIRON	MENTS EXAMPLES
CLASS	EXTERIOR	INTERIOR
C3 MEDIUM	Urban and industrial environments with moderate pollution or coastal areas with low concentration of chlorides	Manufacturing spaces with high humidity and low air pollution for example swimming pools and chemical plants
<mark>C4</mark> HIGH	Industrial environments with moderate pollution or coastal areas with moderate concentration of chlorides	Manufacturing spaces with high humidity and low air pollution for example swimming pools and chemical plants
C5-I VERY HIGH (industrial)	Industrial environments with high humidity and high pollution	Buildings or permanent condense and high pollution areas
C5-M VERY HIGH (marine)	Coastal and marine areas with high concentration of chlorides	Buildings or permanent condense and high pollution areas

Lux Lighting Scheme

A part of the Lewden Lux promise is a comprehensive lighting scheme designed to your requirements in accordance with the latest standards. Lewden Lux can provide you with the technical support required for design and installation of your lighting project. Using 3D printing techniques, experienced lighting professionals will provide a detailed plan showing the optimum light levels and fixture positioning. We support you through every step during the realisation of the project.





TABLE OF CONTENTS LED LIGHTING









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RINOLud LED LINEAR STAINLESS STEEL





TIGUALed **BAY** LED LOW BAY & HIGH BAY

Suspended fixtures for Low Bay & High Bay applications

Universal Rectangular Body Size With Large Heat Sink Capacity In EN44300 Aluminium Alloy With Anti Scratch Passivation Treatment and RAL7011 Colour Finish.



reddot award 2018 winner

Flexible relamping: Complete availability

of accessories for any installation need.

Plug & Play Electrical Connection

5 x 1.5mm² terminals

Light weight and compact Easy to install weighing only 6.5 kg

High protection:

The control gears are selfprotected against the surges present on the industrial electricity networks up to 8kV

Great versatility

The versatility of the available light outputs allows the ideal solution for any lowbay and highbay application.

Uniform Lighting

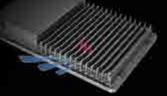
Multiple photometric solutions based on 5 Beam angles utilizing PMMA or PC Lenses

Key features



Anti condensation breather valve to vent pressure build-up inside the light fixture

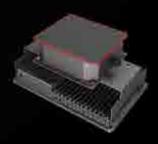




Heat Dissipation is aided by The LED & Power Supply Positioning



Large Heat Sink Capacity In EN44300 Aluminium Alloy With Anti Scratch Passivation Treatment.



Emergency versions available



TIGUALed BAY LED LOW BAY & HIGH BAY







LDT files & lighting schemes

CORROSION C4 5 as per ISO 9223







ENERGY SAVING

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Suspension options







Double chain adjustable



Emergency bracket

Technical specifications

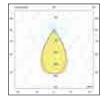
	Directive 2014/35/UE	LED Colour Temperature	4000K
	EN 60598-1: 2015 EN 60598-2-1:1997	CRI	≥ 80
	EN 60598-2-5: 2015	Insulation class	I
Conformity to standards	EN 60598-2-22: 2014 EN 62471: 2008	Rated voltage	200-240 V 50-60 Hz (others in request)
	Directive 2014/30/UE EN 62493: 2015 Directive 2011/65/UE ENEC approval in progress	Protection against surge discharges	8 kV common mode 6 kV differential mode EN 61000 (10kV on request)
Body material	EN 44300 die-cast aluminium	Power factor	≥ 0,95
Surface treatment	Passivation with zirconium-fluoro	Unified Glare Rating (UGR)	< 22
		Max cable section	1,5 mm²
Diffuser material	Extraclear tempered glass or polycarbonate	Entry cable diameter	7-13 mm
Painting	Hot polymerized	Emergency battery lifetime	3 h
	non-toxic polyester	Estimated device lifetime	L80B20 @ 120.000h Tq=-30 °C - +40 °C
Colour	RAL 7011	Storage temperature	-40 °C - +70 °C
Weight	6,5 kg	<u> </u>	-30 °C - +40 °C (on request up to +55°C
LED device efficiency	≥ 110 lm/W	Operating temperature	or other special configurations)

Tigua Bay LED Low Bay & High Bay Lighting - For Industrial Use



Extra wide beam **Glass Diffuser**

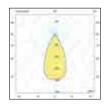
Typical height of installation between 4m and 7m



Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
33W	4625LM	817304	
67W	9250LM	817308	
99W	13875LM	817312	1-10V Dimmable
132W	18500LM	817316	Electronic
164W	23125LM	817320	
196W	27750LM	817324	
33W	4625LM	817305	
67W	9250LM	817309	
99W	13875LM	817313	Encourse an au
132W	18500LM	817317	Emergency
164W	23125LM	817321	
196W	27750LM	817325	

Medium beam

Glass Diffuser Typical height of installation between 5m and 8m



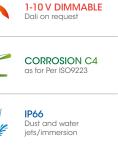
Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
33W	4625LM	817354	
67W	9250LM	817358	
99W	13875LM	817362	1-10V Dimmable
132W	18500LM	817366	Electronic
164W	23125LM	817370	
196W	27750LM	817374	
33W	4625LM	817355	
67W	9250LM	817359	
99W	13875LM	817363	Emorgonov
132W	18500LM	817367	Emergency
164W	23125LM	817371	
196W	27750LM	817375	



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EMERGENCY

Emergency pack 811924 is required with Emergency lighting fixtures







CLASSIFICATION Insulation Class I

LED 4000K CRI>80

CONSTRUCTION

Body:EN44300 aluminium alloy Diffuser: Extra clear tempered glass

Anti-scratch passivation treatment

Equipment included:

Support brackets for double chain and busbar trunking Electrical supply through rapid connector Note: the declared values may be subject to a tolerance of +/- 7%

Tigua Bay LED Low Bay & High Bay Lighting - For Industrial Use



Narrow beam **Glass Diffuser**

Typical height of installation above 6m



Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
33W	4625LM	817404	
67W	9250LM	817408	
99W	13875LM	817412	1-10V Dimmable
132W	18500LM	817416	Electronic
164W	23125LM	817420	
196W	27750LM	817424	
33W	4625LM	817405	
67W	9250LM	817409	
99W	13875LM	817413	Emonance
132W	18500LM	817417	Emergency
164W	23125LM	817421	
196W	27750LM	817425	

Elliptical beam

Glass Diffuser Suitable for high reach installations



Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
33W	4625LM	817454	
67W	9250LM	817458	
99W	13875LM	817462	1-10V Dimmable
132W	18500LM	817466	Electronic
164W	23125LM	817470	
196W	27750LM	817474	
33W	4625LM	817455	
67W	9250LM	817459	
99W	13875LM	817463	
132W	18500LM	817467	Emergency
164W	23125LM	817471	
196W	27750LM	817475	



EMERGENCY

Emergency pack 811924 is required with Emergency lighting fixtures



CLASSIFICATION Insulation Class I

SAVING

LED

4000K CRI>80

CONSTRUCTION

Body:EN44300 aluminium alloy Diffuser: Extra clear tempered glass

Anti-scratch passivation treatment

Equipment included:

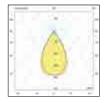
Support brackets for double chain and busbar trunking Electrical supply through rapid connector Note: the declared values may be subject to a tolerance of +/- 7%

Tigua Bay LED Low Bay & High Bay Lighting - For Use in Food Industry (HACCP)



Extra wide beam Polycarbonate Diffuser

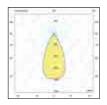
Typical height of installation between 4m and 7m



Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
33W	4625LM	817504	
67W	9250LM	817508	
99W	13875LM	817512	1-10V Dimmable
132W	18500LM	817516	Electronic
164W	23125LM	817520	
196W	27750LM	817524	
33W	4625LM	817505	
67W	9250LM	817509	
99W	13875LM	817513	Freezener
132W	18500LM	817517	Emergency
164W	23125LM	817521	
196W	27750LM	817525	



Polycarbonate Diffuser Typical height of installation between 5m and 8m



Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
33W	4625LM	817554	
67W	9250LM	817558	
99W	13875LM	817562	1-10V Dimmable
132W	18500LM	817566	Electronic
164W	23125LM	817570	
196W	27750LM	817574	
33W	4625LM	817555	
67W	9250LM	817559	
99W	13875LM	817563	Emorgonov
132W	18500LM	817567	Emergency
164W	23125LM	817571	
196W	27750LM	817575	



EMERGENCY

Emergency pack 811924 is required with Emergency lighting fixtures



1-10 V DIMMABLE



SAVING

Insulation Class I

LED 4000K CRI>80

CONSTRUCTION

Body:EN44300 aluminium alloy Diffuser:HACCP approved Polycarbonate

Equipment included:

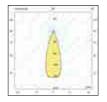
Support brackets for double chain and busbar trunking Electrical supply through rapid connector Note: the declared values may be subject to a tolerance of +/- 7%

Tigua Bay LED Low Bay & High Bay Lighting - For Use in Food Industry (HACCP)



Narrow beam Polycarbonate Diffuser

Typical height of installation above 6m



Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
33W	4625LM	817604	
67W	9250LM	817608	
99W	13875LM	817612	1-10V Dimmable
132W	18500LM	817616	Electronic
164W	23125LM	817620	
196W	27750LM	817624	
33W	4625LM	817605	
67W	9250LM	817609	
99W	13875LM	817613	Emonancia
132W	18500LM	817617	Emergency
164W	23125LM	817621	
196W	27750LM	817625	

Elliptical beam

Polycarbonate Diffuser Suitable for high reach installations



Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
33W	4625LM	817654	
67W	9250LM	817658	
99W	13875LM	817662	1-10V Dimmable
132W	18500LM	817666	Electronic
164W	23125LM	817670	
196W	27750LM	817674	
33W	4625LM	817655	
67W	9250LM	817659	
99W	13875LM	817663	F
132W	18500LM	817667	Emergency
164W	23125LM	817671	
196W	27750LM	817675	



EMERGENCY

Emergency pack 811924 is required with Emergency lighting fixtures



CLASSIFICATION Insulation Class I

LED 4000K CRI>80

CONSTRUCTION

Body:EN44300 aluminium alloy Diffuser:HACCP approved Polycarbonate

Equipment included:

Support brackets for double chain and busbar trunking Electrical supply through rapid connector Note: the declared values may be subject to a tolerance of +/- 7%

Tigua Bay LED Low Bay & High Bay Lighting - ACCESSORIES

Dimensions with Emergency Kit



And and	Support bracket for 0-90° adjustable double chain	Manufacturing Material	Part number
7	suspension	Electrogalvanized steel	811919
	Support bracket	Manufacturing Material	Part number
9	for ceiling mounting	Electrogalvanized steel	811916
		Manufacturing Material	Emergency battery lifetime
	Kit for emergency	Boxes in aluminium alloy and bracket in Electrogalvanized steel	3h 811924
		Luminous flux (Im) Tj= 25 °C	Flux in emergency (Im) 1-3h
-		4625LM	
1	The Alt	9250LM	
fir.	The P	13875LM	995
States.		18500LM	,,,0
- ALINE	Internal Contraction	23125LM	
	Company of the second	27750LM	



ENERGY SAVING

CLASSIFICATION

Insulation Class I

LED 4000K CRI>80

CONSTRUCTION Body:EN44300 aluminium alloy Diffuser:Extra clear tempered glass

Anti-scratch passivation treatment

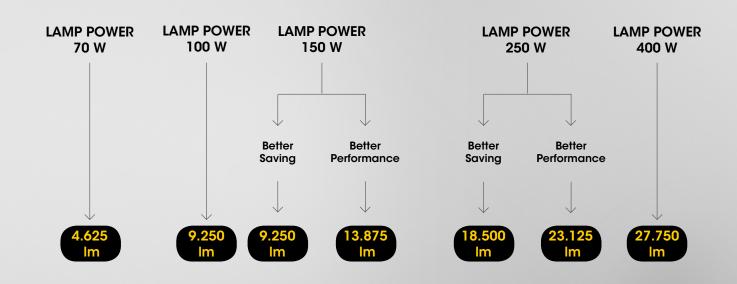
Equipment included:

The emergency kit is complete with junction box, battery, inverter and support for rapid pendant suspension.

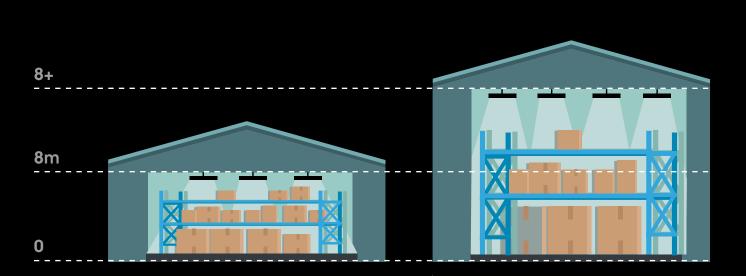
Characteristics: No. 1 M20 entry; No. 1 output with connector. Note: The support is suited for mounting fixed on double chain.



LED equivalents for existing installations using Sodium /Metal Halide Discharge Lamps

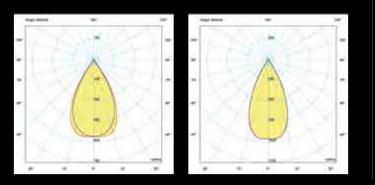


Installation height

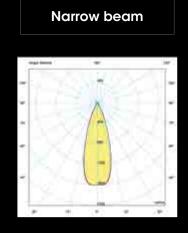


From 4 to 8 metres

Extra-wide or medium beam



Above 8 metres



MITOLed **LED RETRO-FIT** HIGH BAY

reddot award 2018

winner

Retrofitting fixtures for High Bay applications

Universal Cyclical Body Size With Large Heat Sink Capacity In EN46100 Aluminium Die cast With Anti Scratch Passivation Treatment and RAL7011 Colour Finish.

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Simple to retrofit

The pendant suspension system makes the fixture replacement operation simple and fast

High Thermal Performance The helical shape of the heat sink guarantees a curved shape dissipation

High protection:

The control gear is protected against surge discharges up to 6kV between phases and 10kV phase to earth **Optimal flux distribution**

In standard applications, thanks to the circular disposition of the LEDs, the lighting fixtures are always aligned

Key features

Palazzoli

Emergency lighting Versions available

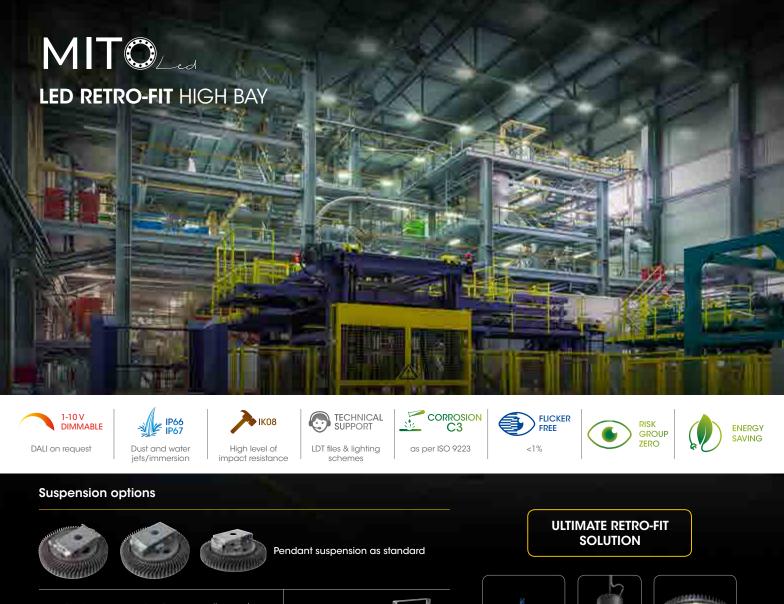


Easy connection Thanks to the external connector there is no need to open the High Bay when wiring.

Simple to retro-fit Pendant suspension fixing and plug in cable connector







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Double chain adjustable



Floodlight adjustable bracket







Technical specifications

	Directive 2014/35/EU EN 60598-1: 2015	CRI	≥ 80
	EN 60598-2-1:1997	Insulation class	I (class II on request)
Conformity to standards	EN 60598-2-5: 2015 EN 60598-2-22: 2014	Rated voltage	200-240 V 50-60 Hz
	EN 62471: 2008 Directive 2014/30/EU EN 62493: 2015 Directive 2011/65/EU	Protection against surge discharges	10 kV common mode 6 kV differential mode EN 61000
	ENEC in progress for approval	Power factor	≥ 0,95
Body material	Aluminium alloy	Unified Glare Rating (UGR)	≤ 22
Surface treatment	Passivation with fluoro-zirconium	Max cable section	1,5 mm2
Diffuser material	Extraclear tempered glass or polycarbonate	Entry cable diameter	7-13 mm
Painting	Hot polymerized non-toxic polyester	Emergency battery lifetime	3 h
Colour	RAL 7011	Estimated device lifetime	L80 B20 @ 110.000h Ta=-30 °C - +40 °C
Weight	9.5kg max	Storago tomporaturo	-40 °C - +70 °C
LED device efficiency	≥ 106 lm/W	Storage temperature	
LED Colour Temperature	4000K (other temperatures on request)	Operating temperature	-30 °C - +40 °C (on request up to +55 °C or other special configurations)

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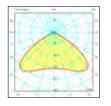
Mito LED High Bay Lighting - For Industrial Use



Extra wide beam - Symmetrical light distribution **Glass Diffuser**

Typical height of installation between 5m and 9m

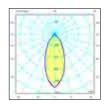
Luminous flux



Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
99W	13230lm	810090	
133W	17640lm	810020	1-10V Dimmable
168W	22050lm	810050	Electronic
199W	26460lm	810080	
99W	13230lm	810190	
133W	17640lm	810120	Emorgonov
168W	26460lm	810150	Emergency
199W	26460lm	810180	

Narrow beam - Symmetrical light distribution **Glass Diffuser**

Typical height of installation above 9m



lm) Tj= 25 °C	Part numbers	Power Supply
3230lm	810091	
7640lm	810021	1-10V Dimmable
22050lm	810051	Electronic
26460lm	810081	
3230lm	810191	
7640lm	810121	Emergency
22050lm	810151	
26460lm	810181	
	3230lm 7640lm 22050lm 26460lm 3230lm 7640lm 22050lm	Statistics 3230lm 810091 7640lm 810021 22050lm 810051 26460lm 810081 3230lm 810191 7640lm 810121 22050lm 810151

Elliptical light distribution

Glass Diffuser

Suitable for installation between the aisles of the industrial warehouses, etc.

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Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
99W	13230lm	810092	
133W	17640lm	810022	1-10V Dimmable
168W	22050lm	810052	Electronic
199W	26460lm	810082	
99W	13230lm	810192	
133W	17640lm	810122	Emorgonov
168W	22050lm	810152	Emergency
199W	26460lm	810182	







CLASSIFICATION

Insulation Class I (II on request)

LED

4000K (other temperatures on request) CRI>80

CONSTRUCTION

Body:EN46100 aluminium alloy Diffuser:Extra clear tempered glass

Anti-scratch passivation treatment

Equipment included:

Support for rapid pendant suspension Electrical supply through rapid connector Note: the luminous flux may be subject to a tolerance of +/- 7%

EMERGENCY Pack 810991 is required

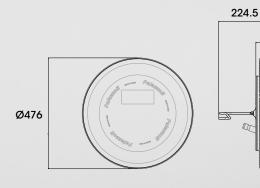
with Emergency lighting fixtures





Mito LED High Bay Lighting - Use in Food Industry (HACCP)

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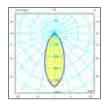
Extra wide beam - Symmetrical light distribution Polycarbonate Diffuser Typical height of installation between 5m and 9m



Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
99W	13230lm	810093	
133W	17640lm	810023	1-10V Dimmable
168W	22050lm	810053	Electronic
199W	26460lm	810083	
99W	13230lm	810193	
133W	17640lm	810123	
168W	22050lm	810153	Emergency
199W	26460lm	810183	

Narrow beam - Symmetrical light distribution Polycarbonate Diffuser

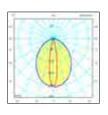
Typical height of installation above 9m



Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
99W	13230lm	810094	
133W	17640lm	810024	1-10V Dimmable
168W	22050lm	810054	Electronic
199W	26460lm	810084	
99W	13230lm	810194	
133W	17640lm	810124	Freezener
168W	26460lm	810154	Emergency
199W	26460lm	810184	

Elliptical light distribution

Polycarbonate Diffuser Suitable for high reach installation



Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
99W	13230lm	810095	
133W	17640lm	810025	1-10V Dimmable
168W	22050lm	810055	Electronic
199W	26460lm	810085	
99W	13230lm	810195	
133W	17640lm	810125	Emorrow
168W	26460lm	810155	Emergency
199W	26460lm	810185	









CLASSIFICATION

Insulation Class I (II on request)

LED

4000K (other temperatures on request) CRI>80

CONSTRUCTION

Body:EN46100 aluminium alloy Diffuser:Polycarbonate

Anti-scratch passivation treatment

Equipment included:

Support for rapid pendant suspension Electrical supply through rapid connector Note: the luminous flux may be subject to a tolerance of +/- 7%

EMERGENCY

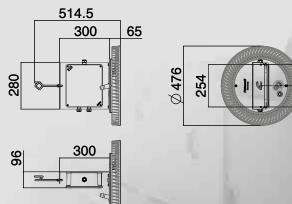
Pack 810991 is required with Emergency lighting fixtures

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Mito LED High Bay Lighting - ACCESSORIES

Dimensions with Emergency Kit



	Support brackets for double chain suspension and cable	Manufacturing Material	Part number	1-10 V DIMMABLE Dali on request
	tray suspension	Electrogalvanized steel	810997	
				corrosion c3 as for Per ISO9223
P	Support bracket for 0 - 90° adjustable	Manufacturing Material	Part number	
CEN .	double chain suspension	Electrogalvanized steel	810996	IP66 IP67 Dust and water jets/immersion
No.	Support brackets for	Manufacturing Material	Part number	
	ceiling mounting	Electrogalvanized steel	810998	High impact resistance
				ENERGY
A D	Support brackets for horizontal pole mounting	Manufacturing Material	Part number	SAVING
	60 mm diameter	Electrogalvanized steel	810995	
				CLASSIFICATION
-	Adjustable bracket	Manufacturing Material	Part number	Insulation Class I (II on request)
	for wall mounting,	•		LED
L. *	poles and lighting towers	Electrogalvanized steel	810999	4000K (other temperatures on reques CRI>80
1223				CONSTRUCTION
	Protective wire guard	Manufacturing Material	Part number	Body:EN46100 aluminium alloy Diffuser:Glass & Polycarbonate
		Electrogalvanized steel	810993	Anti-scratch passivation treatmen
				Equipment included:
CONNECTOR		Manufacturing Material	Emergency battery lifetime	Support for rapid pendant
	Kit for emergency 3h	Aluminium alloy	3h 810991	suspension Electrical supply through rapid
Contraction of the second seco				connector

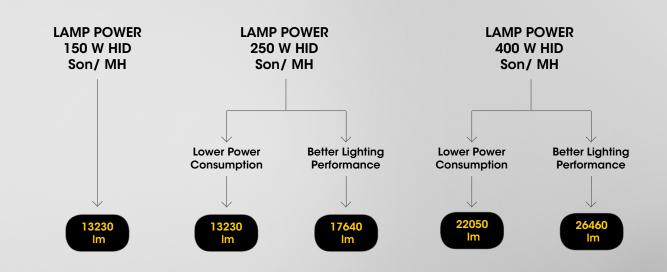
127

127

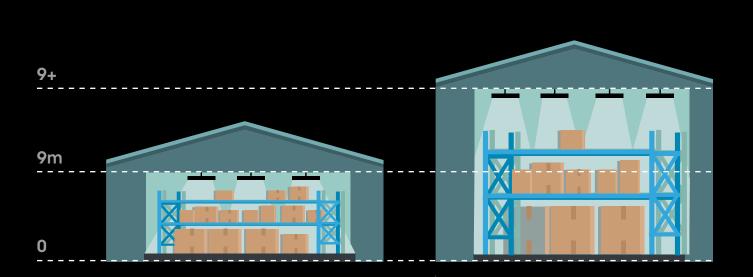
Note: the luminous flux may be subject to a tolerance of +/- 7%



LED equivalents for existing installations using Sodium /Metal Halide Discharge Lamps



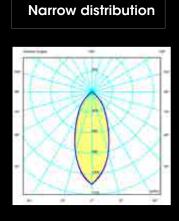
Installation height



From 5 to 9 metres

Extra-wide distribution

Above 9 metres





TIGUAL FLOOD

Fixtures for Focused or Flood Illumination

Universal Rectangular Body Size With Large Heat Sink Capacity In EN44300 Aluminium Alloy With Anti Scratch Passivation Treatment and RAL7011 Colour Finish.



Plug & Play Electrical Connection IP67 (5x1.5mm terminals) Light weight and compact Easy to install weighing only 6.5 kg

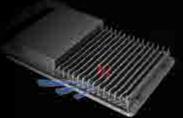
Flexible

Easy to install (+-135°) thanks to the adjustable bracket supplied with the fixture

Key features



Anti condensation breather valve to vent pressure build-up inside the light fixture



Optimum management of

the lighting flux

architectural, etc.

Thanks to the many light distributions, you can illuminate different places: industrial, sport,

Heat Dissipation is aided By The LED & Power Supply Positioning



Uniform Lighting

PMMA or PC Lenses

Multiple photometrric solutions

based on 5 Beam angles utilizing

Large Heat Sink Capacity In EN44300 Aluminium Alloy With Anti Scratch Passivation Treatment.







TIGUAL FLOOD



IP66

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Dust and water

jets/immersion



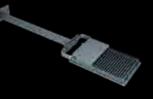
Adjustable wall bracket

IK08

High level of

impact resistance

Technical specifications



CORROSION C4

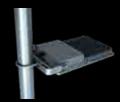
as per ISO 9223

TECHNICAL SUPPORT

LDT files & lighting

schemes

Bracket for wall-mounting



FLICKER

FREE

Pole collar (adaptor)



ENERGY

SAVING

RISK

ZERO

GROUP

Pole-top spigot (adaptor)

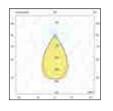
	Directive 2014/35/EU	LED Colour Temperature	4000K (other temperatures on request)
	EN 60598-1: 2015 EN 60598-2-1:1997	CRI	≥ 80
	EN 60598-2-5: 2015 EN 60598-2-22: 2014	Insulation class	II
Conformity to standards	EN 62471: 2008	Rated voltage	200-240 V 50-60 Hz
	Directive 2014/30/EU EN 62493: 2015 Directive 2011/65/EU ENEC in progress for approval	Protection against surge discharges	8 kV common mode 6 kV differential mode EN 61000
Body material	Aluminium alloy EN 44300	Power factor	≥ 0,95
Surface treatment	Passivation with fluoro-zirconium	Unified Glare Rating (UGR)	≤ 22
Diffuser material	Extraclear tempered glass	Max cable section	1,5 mm2
Painting	Hot polymerized non-toxic polyester	Entry cable diameter	7-13 mm
Colour	RAL 7011	Estimated device lifetime	L80 B20 @ 100.000h Tg=-30 °C - +40 °C
Weight	6,5 kg	Storage temperature	-40 °C - +70 °C
Device tilting	-135 ° - +135 °		-30 °C - +40 °C (on request up to
LED device efficiency	≥ 110lm/W	Operating temperature	+55 °C or other special configurations)



Tigua Flood LED Floodlight



Extra wide beam - Symmetrical light distribution



Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
67W	9250lm	817008	
99W	13875lm	817012	
132W	18500lm	817016	Electronic
164W	23125lm	817020	
196W	27750lm	817024	

Narrow beam - Symmetrical light distribution

Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
67W	9250lm	817058	
99W	13875lm	817062	
132W	18500lm	817066	Electronic
164W	23125lm	817070	
196W	27750lm	817074	

Extra wide beam - Asymmetrical light distribution



22

Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
67W	9250lm	817108	
99W	13875lm	817112	
132W	18500lm	817116	Electronic
164W	23125lm	817120	
196W	27750lm	817124	







CLASSIFICATION Insulation Class II

LED 4000K CRI>80

CONSTRUCTION

Body:EN46100 aluminium alloy Diffuser:Extra clear tempered glass

Anti-scratch passivation treatment

Equipment included: Bracket for wall mounting

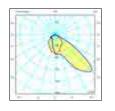
Electrical supply through rapid connector Note : the declared values may be subject to a tolerance of +/- 7%



Tigua Flood LED Floodlight



Narrow beam - Asymmetrical light distribution



Power (W) Luminous flux (Im) Tj= 25 °C Part numbers Power Supply 67W 9250lm 817158 99W 13875lm 817162 132W 18500lm 817166 Electronic 164W 23125lm 817170 196W 27750lm				
99W 13875lm 817162 132W 18500lm 817166 164W 23125lm 817170	Power (W)		Part numbers	Power Supply
132W 18500lm 817166 Electronic 164W 23125lm 817170 1000000000000000000000000000000000000	67W	9250lm	817158	
164W 23125Im 817170	99W	13875lm	817162	
	132W	18500lm	817166	Electronic
196W 27750lm 817174	164W	23125lm	817170	
	196W	27750lm	817174	

Extra wide - Roadway light distribution

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2	-	6		-
100				
1		+ -		1
1.2		-		

Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
67W	9250lm	817208	
99W	13875lm	817212	
132W	18500lm	817216	Electronic
164W	23125lm	817220	
196W	27750lm	817224	

CORROSION C4 as for Per ISO9223

IP66 Dust and water jets/immersion





CLASSIFICATION Insulation Class II

LED 4000K CRI>80

CONSTRUCTION

Body:EN46100 aluminium alloy Diffuser:Extra clear tempered glass

Anti-scratch passivation treatment

Equipment included: Bracket for

wall mounting Electrical supply through rapid connector Note : the declared values may be subject to a tolerance of +/- 7%



Tigua Flood LED Floodlight - ACCESSORIES

	Universal spigot adaptor for pole-head	Manufacturing Material	Part number
	fixing for Ø 60mm	Powder coated	811908
	and Ø 76 mm	electrogalvanized steel	011900
		Manufacturing Material	Part number
	Protective wire guard	-	
		Electrogalvanized steel	811911
	Support for wall	Manufacturing Material	Part numbe
	mounting with 750 mm	Powder coated	
7	projection	electrogalvanized steel	811914
N .			
	Kit composed of collar and plate for fixing	Manufacturing Material	Part numbe
	on Ø 60 mm and Ø 80 mm pole	Electrogalvanized steel	811912



CLASSIFICATION Insulation Class II

LED 4000K CRI>80

CONSTRUCTION

Body:EN46100 aluminium alloy Diffuser:Extra clear tempered glass

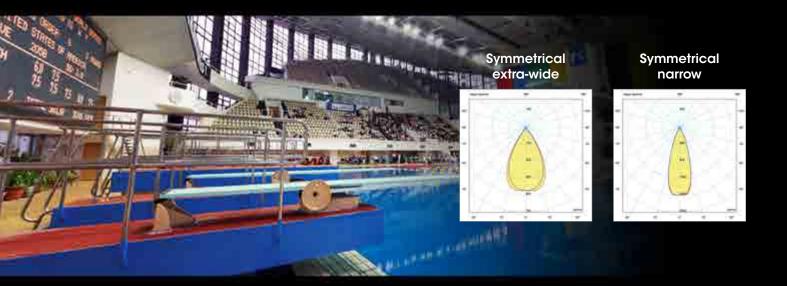
Anti-scratch passivation treatment

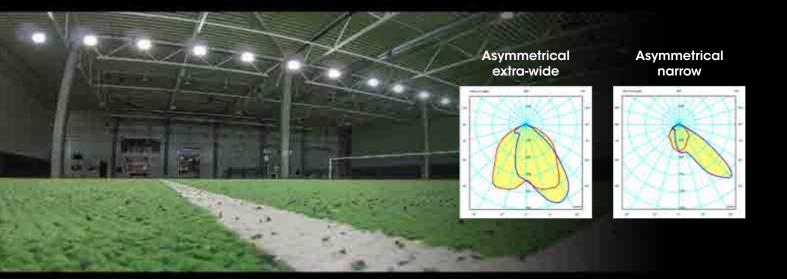
Equipment included: Bracket for wall mounting Electrical supply through rapid connector Note : the declared values may be subject to a tolerance of +/- 7%

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Tigua Flood LED Floodlight









RINOLed LED LINEAR - STAINLESS STEEL

Stainless Steel Non Corrosive Linear LED Solutions

Watertight linear lighting fixtures made of AISI 304 Stainless Steel

IP66 Special Reinforced gasket

Ensures protection against natural water jets (waves, storms) or used for washing (food & health sectors)

Non Welded joints

Guaranteed resistance in time even in aggressive atmospheres

Choice of Different Diffusers Satin finished Glass, Extra clear Glass & Polycarbonate

Diffuser without frame

Guaranteed IP66 Protection through improved coupling between the body and diffuser

Double Optic Solution

The differentiation of optics supplies a tailored solution for different installations

Key features



Non corrosive AISI 304 Stainless Steel construction makes it suitable for installation in coastal atmospheres



Energy saving More than 35-40% more energysaving compared to the same luminous flux of a fluorescent lamp



50.000 Hours of light Thanks to the new LED technology

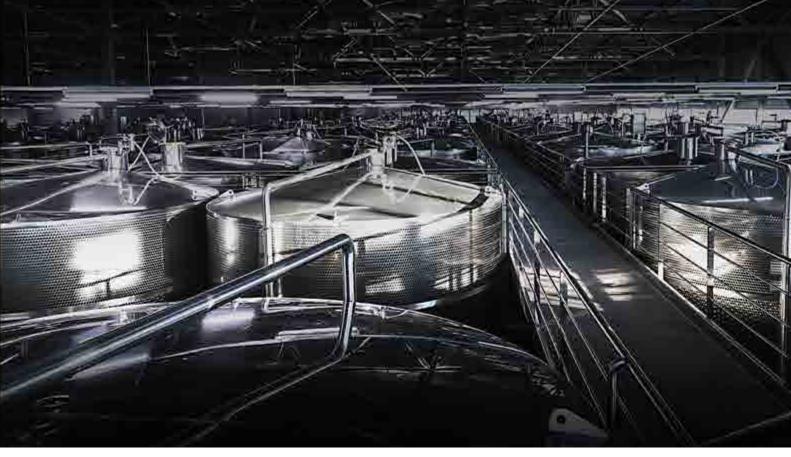


Non-deformable The non-deformable structure makes it suitable to be installed even when vibrations are present





RINOLA LED LINEAR - STAINLESS STEEL





Dust and water jets/immersion



LDT files & lighting schemes

TECHNICAL SUPPORT



FLICKER FREE





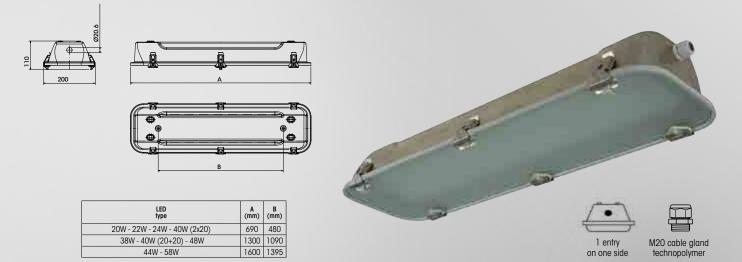
Technical specifications

	Directive 2014/35/EU EN 60598-1:2015	CRI	≥ 80
	EN 60598-2-1:1997	Insulation class	1
Conformity to standards	EN 60598-2-22:2014 EN 62471:2008	Rated voltage	230V 50-60Hz
	Directive 2014/30/EU EN 62493:2015 Directive 2011/65/EU	Protection against surge discharges	2 kV EN 61000
		Power factor	≥ 0,9
Body material	Stainless steel AISI 304 Zinced and powder coated steel	Max cable section	2,5 mm2
Diffuser material	Satin finished Glass, Extra Clear Glass & Polycarbonate	Entry cable diameter	7-14 mm
Painting	Non-toxic polyester resistant to	Estimated device lifetime	L80 B20 @50.000h Tq=25°C
	weather conditions and UV rays	Storage temperature	-40 °C - +70 °C
Colour	RAL 9003 (zinc and powder coated steel version)	Operating temperature	-25°C - +40°C (Special solutions available on request for extremely
LED Colour Temperature	4000K	operating temperature	cold temperature storage)



Rino LED

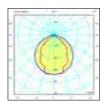
LED Linear Stainless Steel Lighting for Ceiling / Wall mounting





Wide beam - Satin Finished Glass Diffuser

Power (W)	Dimensions (mm)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
22W	690X200X100 mm	3170lm	822142	
48W	1300X200X100 mm	5900lm	822242	Electronic
58W	1600X200X100 mm	8000lm	822342	



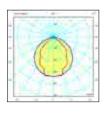
Narrow beam - Extra Clear Glass Diffuser

Power (W)	Dimensions (mm)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
48W	1300X200X100 mm	5900lm	820242	Electronic
58W	1600X200X100 mm	8000lm	820342	Electronic



Wide beam - Polycarbonate Diffuser

Power (W)	Dimensions (mm)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
22W	690X200X100 mm	3170lm	828142	Electronic
48W	1300X200X100 mm	5900lm	828242	Electronic



Narrow beam - Polycarbonate Diffuser

Power (W)	Dimensions (mm)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
48W	1300X200X100 mm	5900lm	825242	Electronic



CORROSION C4

as for Per ISO9223

CLASSIFICATION Insulation Class I

LED 4000K CRI>80

CONSTRUCTION

Body:Stainless steel AISI304 Diffuser:Satin finished Glass, Extra Clear Glass & Polycarbonate

Anti-scratch passivation treatment

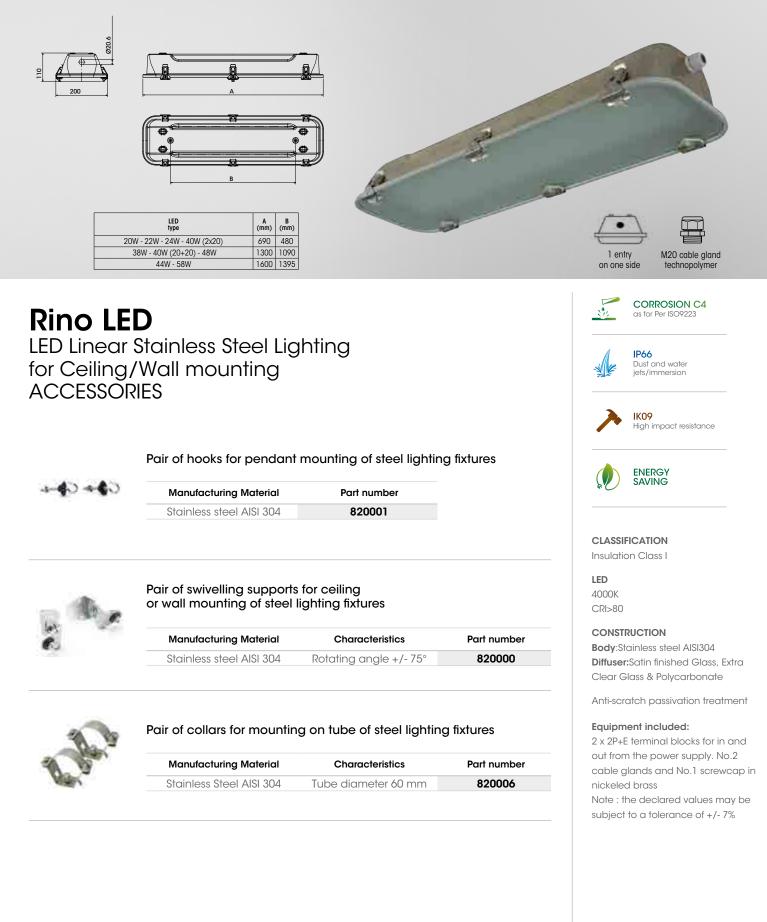
Equipment included:

2 x 2P+E terminal blocks for in and out from the power supply. No.2 cable glands and No.1 screwcap in nickeled brass Note : the declared values may be subject to a tolerance of +/- 7%



Rino LED

LED Linear Stainless Steel Lighting for Ceiling / Wall mounting



MITOL -EX MITO ATEX - HIGH BAY

High Bay fixtures for installation in areas at risk of explosive atmospheres as defined in ATEX Directive 2014/34/EU

Die-cast aluminium body prevents corrosion and the 4mm extra clear tampered glass diffuser ensures resistance to chemicals









100

C3 as per ISO 9223









Technical specifications

Ex

reddot award 2018

winner



ATEX products are required in places such as carpentries, bakeries, garages, thermal plants and pharmaceutical industries.



IMQ 07 ATEXQ 001

The production quality system is certified to guarantee the safety of the products installed in potentially explosive atmosphere.

	GAS				DUST	
ZONE	0	1	2	20	21	22
USABLE						Х

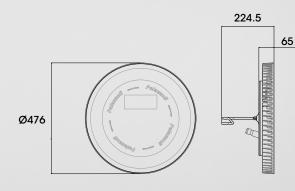
Technical specifications

	Directive 2014/35/EU EN 60598-1: 2015	LED device efficiency	≥ 106 lm/W
	EN 60598-2-1:1997	LED Colour Temperature	4000 K (other temperatures on request)
	EN 60598-2-5: 2015 EN 60598-2-22: 2014	CRI	≥ 80
Conformity to standards	EN 62471: 2008 Directive 2014/30/EU	Insulation class	1
	EN 62493: 2015 Directive 2014/34/EU EN 60079-0: 2012 + A11:2013 EN 60079-31:2014 Directive 2011/65/EU	Rated voltage	Insulation class I (II on request)
		Protection against surge discharges	10 kV common mode 6 kV differential mode EN 61000 (10 kV on request)
	ENEC in progress for approval	Unified Glare Rating (UGR)	≤ 22
ATEX execution	ⓑ II 3D Ex tc IIIC T100 °C Dc	Power factor	≥ 0,95
Body material	EN46100 Aluminium alloy	Max cable section	1,5 mm²
Surface treatment	Passivation with fluoro-zirconium	Entry cable diameter	7-13 mm
Diffuser material	Extraclear tempered glass	Entry cable	M20 ATEX cable gland
Painting	Hot polymerized non-toxic polyester	Estimated device lifetime	L80 B20 @110.000h Tq=-30 °C - +40 °C
Colour	RAL 9005	Storage temperature	-40 °C - +70 °C
Corrosion class	C3 as per ISO9223		-30 °C - +40 °C
Weight	9,5 Kg max	 Operating temperature 	(on request up to +55 °C or other special configurations)



Mito LED - Atex

LED High Bay Lighting - FOR ATEX ZONE 22



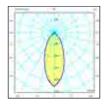


Extra wide beam - symmetrical light distribution **Glass Diffuser**

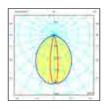
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Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
13230lm	810090EX	
17640lm	810020EX	1-10V Dimmable
22050lm	810050EX	Electronic
26460lm	810080EX	
	(im) Tj= 25 °C 13230Im 17640Im 22050Im	(Im) Tj= 25 °C Pdrf numbers 13230Im 810090EX 17640Im 810020EX 22050Im 810050EX

Narrow beam - symmetrical light distribution **Glass Diffuser** Typical height of installation above 9m



Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
99W	13230lm	810091EX	
133W	17640lm	810021EX	1-10V Dimmable
168W	22050lm	810051EX	Electronic
199W	26460lm	810081EX	



Elliptical beam - elliptical light distribution
Glass Diffuser

Power (W)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
99W	13230lm	810092EX	
133W	17640lm	810022EX	1-10V Dimmable
168W	22050lm	810052EX	Electronic
199W	26460lm	810082EX	

Conformity to ATEX standards	ATEX execution	Protection rating (IP as per IEC/EN 60529)	Colour	Entry cable
Directive 2014/34/UE EN 60079-0: 2012 + A11:2013 EN 60079-31:2014 Directive 2011/65/UE	€) II 3D Ex to IIIC T100 °C Do	IP66	RAL 9005	M20 ATEX cable gland



CLASSIFICATION

Insulation Class I (II on request)

LED 4000K CRI>80

CONSTRUCTION

Body:EN46100 aluminium alloy Diffuser:Extra clear tempered glass

Anti-scratch passivation treatment

Equipment included:

Support for rapid pendant suspension Electrical supply through rapid connector Note : the luminous flux may be subject to a tolerance of +/- 7%

RINO ATEX

STAINLESS STEEL

Watertight Linear lighting fixtures for installation in areas at risk of explosive atmospheres as defined in ATEX Directive 2014/34/EU

Equipped with LED strips, installed on an ultra bright aluminium reflector and the diffuser in tampered glass without the metallic frame





LDT files & lighting schemes

TECHNICAL SUPPORT









ENERGY SAVING

Technical specifications

Ex



ATEX products are required in places such as carpentries, bakeries, garages, thermal plants and pharmaceutical industries.



IMQ 07 ATEXQ 001

The production quality system is certified to guarantee the safety of the products installed in potentially explosive atmosphere.

	GAS				DUST	
ZONE	0	1	2	20	21	22
USABLE			Х			Х

Technical specifications

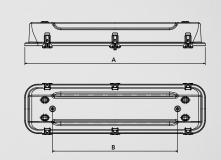
Directive 2014/35/EU EN 60598-1:2015 EN 60598-2:1:1997 EN 62471:2008 EN 60598-2:22:2014 Directive 2014/30/EU EN 62493:2015 Directive 2011/65/EU Directive 2011/65/EU Directive 2011/65/EU Directive 2012+A11:2013 EN 60079-0:2012+A11:2013 EN 60079-31:2014	EN 60598-1:2015	Painting	Non-toxic polyester resistant to weather conditions and UV rays
	EN 62471:2008 EN 60598-2-22:2014	Colour	RAL 9016 (zinced and powder coated steel version)
	LED Colour Temperature	4000 K	
	CRI	≥ 80	
		Insulation class	I
	Rated voltage	230V 50-60Hz	
	🔄 II 3G 3D	Power factor	≥ 0 , 9
ATEX execution Ex nR IIC T6 Gc Ex tc IIIC T 70 °C Dc Stainless steel AISI 3	Ex to IIIC T 70 °C Dc	Max cable section	2,5 mm ²
		 Estimated device lifetime 	L80 B10 @50.000h Tq=25°C
	Zinced and powder coated steel	Storage temperature	-40 °C - +70 °C
Diffuser material	Tempered glass	Operating temperature	-25°C - +40°C



Rino LED - Atex

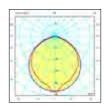
LED Linear Lighting for Ceiling / Wall mounting Suitable for ZONE 2 (GAS) and 22 (DUST)





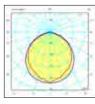
LED type	A (mm)	B (mm)
20W - 22W - 24W - 40W (2x20)	690	480
38W - 40W (20+20) - 48W	1300	1090
44W - 58W	1600	1395





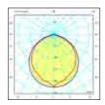
Extra Wide beam Glass Diffuser Stainless Steel

Power (W)	Dimensions (mm)	Luminous flux (Im) Tj= 25 °C	Part numbers	Power Supply
24W	690X200X100 mm	3300lm	822142EX	
38W	1300X200X100 mm	5600lm	822242EX	Electronic
44W	1600X200X100 mm	6500lm	822342EX	

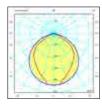




Other options available in Powder coated Steel



Also available Linear Fluorescent lighting fixtures





CORROSION C4

Insulation Class I

LED 4000K CRI>80

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CONSTRUCTION Body:Stainless steel AIS

Body:Stainless steel AISI304 Diffuser:Tempered glass.

Anti-scratch passivation treatment

Equipment included:

www.lewdenlux.co.uk

Pair of hooks in AISI 304 steel for pendant installation, code 820001. Note: the declared values may be subject to a tolerance of +/- 7%

ROSS LED ROUND/OVAL **BULKHEADS**

Round and Oval Bulkheads for Ceiling & Wall Mounting

Suitable for indoor and outdoor applications



jets/immersion



High level of impact resistance











ENERGY SAVING

Choice of Colours

Available in five different colours

Versatile solutions

Versions available with a day/night sensor, motion sensor and emergency function

Wide range of applications

Also suitable for outdoor use

Rapid Installation

Emergency available on request

Technical specifications

LED Colour Temperature

4000K (3000K or 2700K available on request)

Integrated Ballast

34

220-240V

Diffuser material

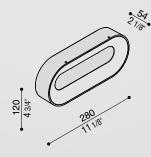
Polycarbonate

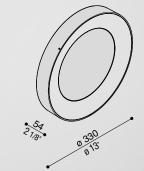
www.lewdenlux.co.uk





Ross LED Round / Oval Bulkheads









LED	Power (W)	Colour	Part Numbers	Power Supply
LED 1500lm 10W		White	LL124000NLW	Flactuania
	1014/	Black	LL124001NLW	Electronic
	TUVV	White	LL124025NLW	Encourse an av
		Black	LL124026NLW	Emergency



CLASSIFICATION Insulation Class I (II on request)

LED

4000K CRI>80

Body:Polycarbonate
Diffuser:Polycarbonate/Polyglass



Ross	330
1.000	

Ross 280

LED	Power (W)	Colour	Part Numbers	Power Supply
	B	White	LL124010NLW	Electronic Emergency
LED 2500lm		Black	LL124011NLW	
	2000	White	LL124020NLW	
		Black	LL124021NLW	

Available on request:

Sensor (Motion, Day night) Body colour (Grey high tech, Grey anthracite, Corten) Colour temperatures (3000K, 2700K)



Customisation Option using Laser Cutting

Examples of a 3 hours Emergency version customised through engraving by laser cutting

STRAL-ARCHITECTURAL LED OUTDOOR LIGHTING

IN AISI 316L STAINLESS STEEL

Marine grade Stainless Steel AISI 316L **Lighting fixtures**

Stainless Steel Lighting for architectural & commercial installations







TECHNICAL SUPPORT LDT files & lighting



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Non-Corrosive

Optimal corrosion resistance to aggressive agents

Powder Coating

Powder coating treatment of the fixtures in different colours are available on request

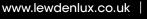
Electropolished Finish

Superior functional characteristics, making the surface smoother, brighter and very easy to clean

Technical specifications

EU Regulation	874/2012	Insulation Class	II / III
Body	AISI 316L Stainless Steel	Energy Class	A, A+, A++

6



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STRAL - ARCHITECTURAL

LED Outdoor Lighting in AISI 316L Stainless Steel





OLYMPIAD110

In-ground recessed lighting fitting available with circular or square frame in AISI 316L stainless steel, frame's Ø 110 mm. Power from 5W to 35W. Available optics: wall washer, 21°, 45° and 65°.



OLYMPIAD180

In-ground recessed lighting fitting available with circular or square frame in AISI 316L stainless steel, frame's Ø 173 mm. Power from 12W to 18W. Available optics: wall washer, 21°, 45° and 65°.



OLYMPIAD240

In-ground recessed lighting fitting available with circular or square frame in AISI 316L stainless steel, frame's Ø 235 mm. Power 24W. Available optics: wall washer, 21°, 45° and 65°.



OLYMPIAD300

In-ground recessed lighting fitting available with circular or square frame in AISI 316L stainless steel, frame's Ø 295 mm. Power 28W. Available optics: wall washer, 21°, 45° and 65°.



GAME180

Inground semi-recessed LED fitting in AISI 316L stainless steel with one window for the lighting emission from 180°. Ø 149mm. Power 4W.



Dust and water jets/immersion





CLASSIFICATION Insulation Class I (II on request)

LED 4000K (other temperatures on request) CRI>80

CONSTRUCTION Body:AISI 316L stainless steel Diffuser:Extra clear tempered glass



STRAL - ARCHITECTURAL

LED Outdoor Lighting in AISI 316L Stainless Steel



CAPRI 100



CAPRI100

Wall mounted mono-emission and bi-emission LED lighting fitting in AISI 316L stainless steel. Power 5W and 2x5W. Available optics: street, asymmetrical, 21°, 45° and 65°.



OTTAGONO

Spot LED lighting fitting with square frame 76x76mm or 100x100mm in AISI 316L stainless steel. Maximum power 3W. Standard optics from 20°, 30° and 45°. Filters for scenographic effects are both available.



STRIKER50/70

Projector on spike available with LED or GU10 lighting source. Ø from 50mm or 70mm, body in AISI 316L stainless steel. Power from 3W up to 35W. Available optics: street, asymmetrical, 21°, 45° and 65°.

ACCESSORIES



GAME 180 drain casing for flush mounting.



OLYMPIAD110 flush and raised version OLYMPIAD180/240/300 flush and raised version

Drain casing for flush or raised mounting for OLYMPIAD range.

OLYMPIAD180/240/300 raised square version









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