



Floodlighting

Project Football Pitches - Leeds, UK



Aztec LED Asymmetric - p405

Floodlighting



















Aztec LED Symmetrical

Mira LED





Vaste LED

Zion LED Black

Zion LED White







Zion LED 110V

Calinor LED

Eden LED

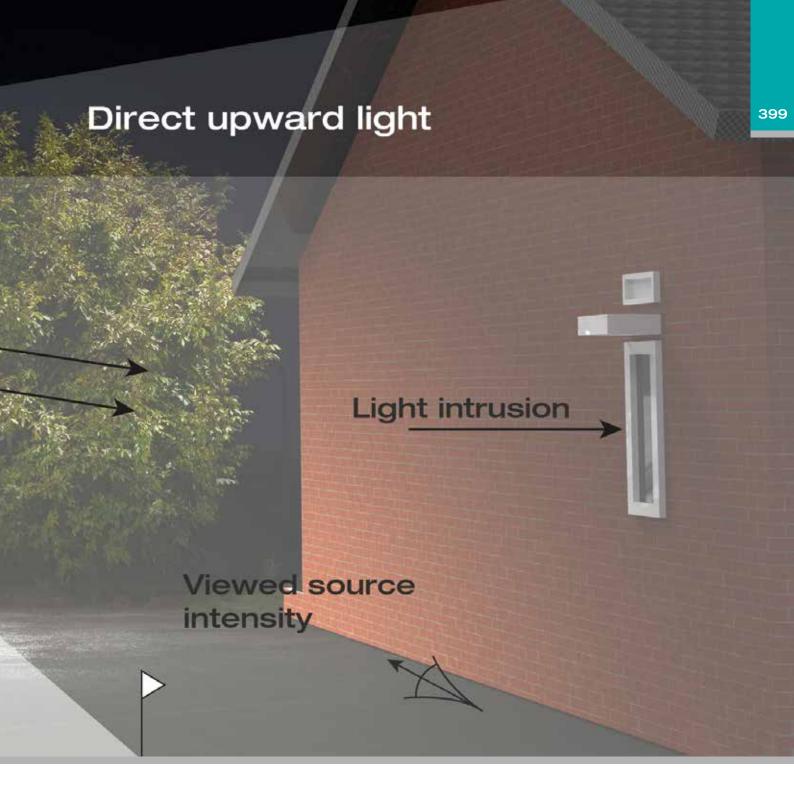




Asymmetrical vs Symmetrical **Floodlights** 398 Spill Light Task Light Upward reflected Light **Back Light** Area to be lit

Asymmetrical

- Asymmetrical light is directed in front of the fixture and where illuminance is required
- Integrated advanced optics that allow to direct the light beam
- Ideal for use in built up areas such sports grounds, open car parks and tennis courts where light pollution for neighbouring properties is a consideration
- Asymmetrical floodlights are able to provide up to 50% better output utilisation into the intended illuminated area and achieve up to 50% less light pollution



Symmetrical

- Symmetrical light sources distribute light evenly in all directions,
- Suitable for general lighting of open spaces
- Ideal for installation in large spaces such as construction sites, outdoor storage and warehouse yards

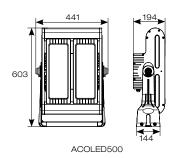


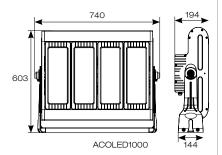


Colossus HO LED

Supplied c/w Remote LED Driver in a IP65 Enclosure

- Die-cast aluminium luminaire with symmetrical light distribution
- High output, high efficiency floodlight
- Suitable for large external sports or industrial applications
- 500W exceeds the performance of 1000W HQI
- 1000W comparable to performance of 2000W HQI
- Supplied with remote mounted control gear in an IP65 enclosure
- LED Lifespan L70 50,000 hours
- Non-dimmable





LED Information

Total (Watts)	500W
	1000W
Lumens Delivered	b
500W	66489lm
1000W	132827lm
Beam Angle	60°
Lm/W 500W	133lm
Lm/W 1000W	133lm
CRI	Ra 70
CCT	5000K
Input	100/240V
Hertz	50/60Hz
Operating Temp	-40°C to 40°C





















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MEAN WELL



Remote IP65 Enclosure

Code	Lamp	Description	Windage	Trade
ACOLOED500	LED	500W - Daylight	0.27	£1,514.00
ACOLOED1000	LED	1000W - Daylight	0.45	£2,920.00

402



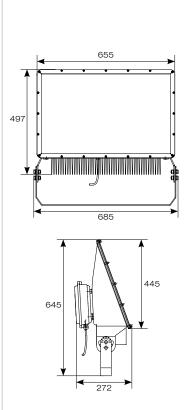






•	Die-cast LED floodlight with
	textured graphite
	colour finish

- Asymmetric reflector for anti-light pollution
- Exceeds the performance of 1000W HQI
- Lighting for large open spaces, sports centres and industrial spaces
- LED lifespan L70 50,000 hours
- Non-dimmable



Total (Watts)	500W
	789W
Lumens Delivered	k
500W	72862lm
789W	109264lm
Lm/W 500W	146lm
Lm/W 789W	138lm
CRI	Ra 70
CCT	5000K
Input	100/270V
Hertz	50/60Hz
Operating Temp	-20°C to 50°C







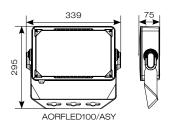


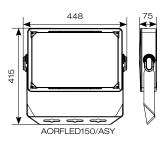
Code	Lamp	Description	Windage	Trade
AM2LED/ASY/500	LED	500W - Daylight	0.30	£1,481.00
AM2LED/ASY/800	LED	789W - Daylight	0.30	£2,286.00

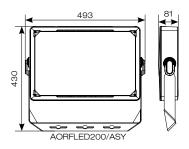
Options	/PC	Electronic Photocell	+ £33.00

High performance die-cast aluminium LED floodlight

- High output, high efficiency asymmetric lens technology for anti-light pollution
- High specification IP66, IK08 ratings
- 100W exceeds performance of 150W HQI-T
- 150W exceed performance of 250W HQI-T
- 200W comparable light output of 400W HQI-T
- Pre-wired with 1 metre of rubber insulated cable for ease of installation
- LED lifespan L80 36,000 hours
- Non-dimmable







LED Information

Total (Watts)	100W
	150W
	200W
Lumens Delivered	t l
100W	12298lm
150W	20331lm
200W	27577lm
Lm/W	
100W	123lm
150W	136lm
200W	138lm
CRI	Ra 70
CCT	4000K
Input	100-240VAC
Hertz	50/60Hz
Operating Temp	-40°C to 40°C



Orion Asymmetrical LED Supplied c/w Integral Driver













AORFLED150/ASY



AORFLED200/ASY

Code	Lamp	Description	Windage	Trade
AORFLED100/ASY	LED	100W - Cool White	0.11	£186.00
AORFLED150/ASY	LED	150W - Cool White	0.24	£227.00
AORFLED200/ASY	LED	200W - Cool White	0.27	£287.00

Belfast:

Warrington: +44 (0) 1942 433333 +44 (0) 2890 773750











AAZLED50/ASY



AAZLED100/ASY



AAZLED150/ASY

Code	Lamp	Description	Windage	Trade
AAZLED50/ASY	LED	50W - Cool White	0.07	£171.00
AAZLED100/ASY	/ LED	100W - Cool White	0.09	£321.00
AAZLED150/ASY	/ LED	150W - Cool White	0.11	£376.00

Options	/PC	Electronic Photocell	+ £33.00
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- High performance die-cast aluminium LED floodlight
- High output, high efficiency asymmetric lens technology for anti-light pollution
- Pre-installed breathable gland prevents internal moisture accumulation
- High specification IP66, IK08 ratings
- $60^{\circ} \times 120^{\circ}$ beam angle
- 50W exceeds performance of 70W HQI-TS
- 100W exceeds performance of 150W HQI-TS
- 150W exceeds performance of 250W HQI-TS
- Pre-wired with 1.5 metre of rubber insulated cable for ease of installation
- LED lifespan L80 B10 54,000 hours
- Non-dimmable



AAZLED100

AAZLED50



LED Information

Total (Watts)	50W
	100W
	150W
Lumens Delivered	
50W	6800lm
100W	14250lm
150W	21100lm
Lm/W	
50W	136lm
100W	143lm
150W	141lm
CRI	Ra 70
CCT	5000K
Input	230V
Hertz	50/60Hz



Operating Temp -30°C to 50°C





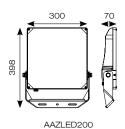
Aztec LED Asymmetric Supplied c/w Integral Driver

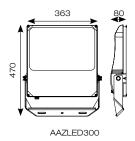






- High performance die-cast aluminium LED floodlight
- High output, high efficiency asymmetric lens technology for anti-light pollution
- Pre-installed breathable gland prevents internal moisture accumulation
- High specification IP66, IK08 ratings
- 60° x 120° beam angle
- 200W exceeds performance of 320W HQI-T
- 300W exceeds performance of 400W HQI-T
- Pre-wired with 1.5 metre of rubber insulated cable for ease of installation
- LED lifespan L80 B10 54,000 hours
- Non-dimmable





Total (Watts)	200W
	300W
Lumens Delivered	t l
200W	28250lm
300W	42500lm
Lm/W	
200W	141lm
300W	142lm
CRI	Ra 70
CCT	5000K
Input	230V
Hertz	50/60Hz
Operating Temp	-30°C to 50°C





AAZLED200/ASY



AAZLED300/ASY

Code	Lamp	Description	Windage	Trade
AAZLED200/ASY	LED	200W - Cool White	0.14	£428.00
AAZLED300/ASY	LED	300W - Cool White	0.2	£695.00

Options	/PC	Electronic Photocell	+ £33.00









AAZLED50



AAZLED100

100W

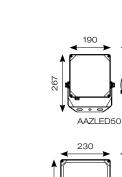


AAZLED150

Code	Lamp	Description	Windage	Trade
AAZLED50) LED	50W - Cool White	0.07	£171.00
AAZLED10	O LED	100W - Cool White	0.09	£321.00
AAZLED15	O LED	150W - Cool White	0.11	£376.00

Options	/PC	Electronic Photocell	+ £33.00
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- High performance die-cast aluminium luminaire with symmetrical light distribution
- High output, high efficiency floodlight
- Pre-installed breathable gland prevents internal moisture accumulation
- High specification IP66, IK08 ratings
- 120° beam angle
- 50W exceeds performance of 70W HQI-TS
- 100W exceeds performance of 150W HQI-TS
- 150W exceeds performance of 250W HQI-TS
- Pre-wired with 1.5 metre of rubber insulated cable for ease of installation
- LED lifespan L80 B10 54,000 hours
- Non-dimmable







LED Information

Total (Watts)	50W
	100W
	150W
Lumens Delivered	
50W	7000lm
100W	14750lm
150W	21750lm
Lm/W	
50W	140lm
100W	148lm
150W	145lm
CRI	Ra 70
CCT	5000K
Input	230V



Operating Temp -30°C to 50°C





Aztec LED Symmetrical Supplied c/w Integral Driver











High output, high

- High specification IP66, IK08 ratings
- 120° beam angle
- 200W exceeds performance of 320W HQI-T

High performance die-cast aluminium luminaire with symmetrical light distribution

- 300W exceeds performance of 400W HQI-T
- Pre-wired with 1.5 metre of rubber insulated cable for ease of installation
- LED lifespan L80 B10 54,000 hours
- Non-dimmable





Total (Watts)	200W
	300W
Lumens Delivered	d
200W	28500lm
300W	44000lm
Lm/W	
200W	143lm
300W	147lm
CRI	Ra 70
CCT	5000K
Input	230V
Hertz	50/60Hz
Operating Temp	-30°C to 50°C





AAZLED200



AAZLED300

Code	Lamp	Description	Windage	Trade
AAZLED200	LED	200W - Cool White	0.14	£428.00
AAZLED300	LED	300W - Cool White	0.2	£695.00

Options	/PC	Electronic Photocell	+ £33.00









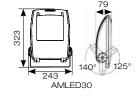


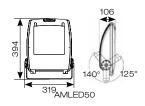


	Code	Lamp	Description	Windage	Trade
Standard	AMLED30	LED	30W - Cool White	0.08	£172.00
PIR	AMLED30/PIR	LED	30W c/w PIR - Cool White	9 0.08	£189.00
Standard	AMLED50	LED	50W - Cool White	0.13	£224.00

Option	/PC	Electronic Photocell (50W only)	+ £33.00

- Architectural slim die-cast LED floodlight
- 30W LED comparable light output to 35W HQI
- 50W LED comparable light output to 70W HQI
- Optically textured glass for enhanced light output
- Heat sink design provides optimum LED life
- Graphite textured paint finish
- Pre-wired with 1 metre of rubber insulated cable for ease of installation
- PIR versions complete with manual override facility
- LED lifespan L70 30,000 hours
- Non-dimmable





LED Information	n
Total (Watts)	30W
	50W
Lumens Delivered	
30W	2816lm
50W	4805lm
Lm/W 30W	91lm
Lm/W 50W	96lm
CRI	Ra 70
CCT	4750K
Input	230V
Hertz	50Hz
Operating Temp	-20°C to 50°C









Mira LED Supplied c/w Integral Driver



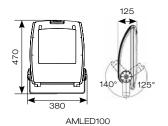


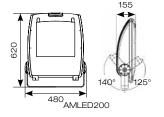






- 200W LED comparable performance to 400W HQI
- Optically textured glass for enhanced light output
- Heat sink design provides optimum LED life
- Graphite textured paint finish
- Pre-wired with 1 metre of rubber insulated cable for ease of installation
- LED lifespan L70 30,000 hours
- Non-dimmable





LED Information

Total (Watts)	100W
	200W
Lumens Delivered	d
100W	9390lm
200W	19712lm
Lm/W 100W	96lm
Lm/W 200W	101lm
CRI	Ra 70
CCT	4750K
Input	230V
Hertz	50Hz
Operating Temp	-20°C to 50°C















Code	Lamp	Description	Windage	Trade
AMLED100	LED	100W - Cool White	0.18	£401.00
AMLED200	LED	200W - Cool White	0.30	£614.00

Note: 100W and 200W versions are not suitable for interior use

Options /PC Electronic Photocell +	£33.00
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AC LED (No Driver Required)

















AVFLED20

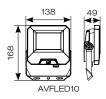
AVFLED10/PIR

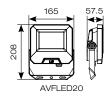


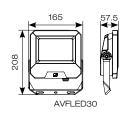
AVFLED30

	Code	Lamp	Description	Windage	Trade
Standard	AVFLED10	LED	10W - Cool White	0.01	£37.50
PIR	AVFLED10/PIR	LED	10W c/w PIR - Cool White	0.01	£54.50
Standard	AVFLED20	LED	20W - Cool White	0.04	£80.00
Standard	AVFLED30	LED	30W - Cool White	0.02	£129.00
Option	/PC	Electronic	c Photocell (50W only)		+ £33.00
Accessory	AMFLSA	Floodlight	ting Spike Accessory		£6.20

- Modern architectural slim die-cast LED floodlight
- 10W ideal for halogen replacement
- 20W LED exceeds performance of 20W HQI
- 30W comparable light output to 35W HQI
- Die-Cast construction and heat sink design providing optimised thermal characteristics for optimum LED life and performance
- Graphite textured paint finish
- Pre-wired with 1 metre of rubber insulated cable for ease of installation
- Polycarbonate spike accessory (up to 50W versions only) allowing installation into lawn and garden applications
- PIR versions complete with manual override facility
- LED lifespan L80 60,000 hours
- Non-dimmable







Total (Watts)	10W
	20W
	30W
Lumens Delivered	
10W	938lm
20W	1800lm
30W	2899lm
Lm/W 10W	94lm
Lm/W 20W	90lm
Lm/W 30W	97lm
CRI	Ra 80
CCT	4000K
Input	220-240V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C

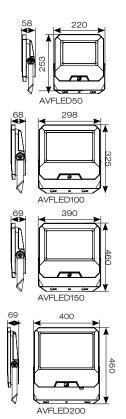








- Modern architectural slim die-cast LED floodlight
- 50W comparable light output to 70W HQI-TS
- 100W comparable performance of 150W HQI-TS
- 150W comparable
- performance of 200W HQI-T 200W exceeds performance of 250W HQI-T
- Die-Cast construction and heat sink design providing optimised thermal characteristics for optimum LED life and performance
- Graphite textured paint finish
- Pre-wired with 1 metre of rubber insulated cable for ease of installation
- LED lifespan L80 60,000 hours
- Non-dimmable



LED Information

Total (Watts)

, ,	
	100W
	150W
	200W
Lumens Delivered	
50W	4822lm
100W	10055lm
150W	16900lm
200W	19996lm
Lm/W 50W	96lm
Lm/W 100W	102lm
Lm/W 150W	112lm
Lm/W 200W	102lm
CRI	Ra 80
CCT	4000K
Input	220-240V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C























AVFLED200

Code	Lamp	Description	Windage	Trade
AVFLED50	LED	50W - Cool White	0.04	£171.00
AVFLED100	LED	100W - Cool White	0.07	£321.00
AVFLED150	LED	150W - Cool White	0.15	£340.00
AVFLED200	LED	200W - Cool White	0.1	£428.00

Note: 100W, 150W and 200W versions are not suitable for interior use

Options /PC Electronic Photocell + £33.00	Options	/PC	Electronic Photocell	+ £33.00
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Zion LED Range

The Zion LED range includes 10W, 20W, 30W and 50W variants in both black and white finishes in standard and PIR versions, also available in cool white and warm white



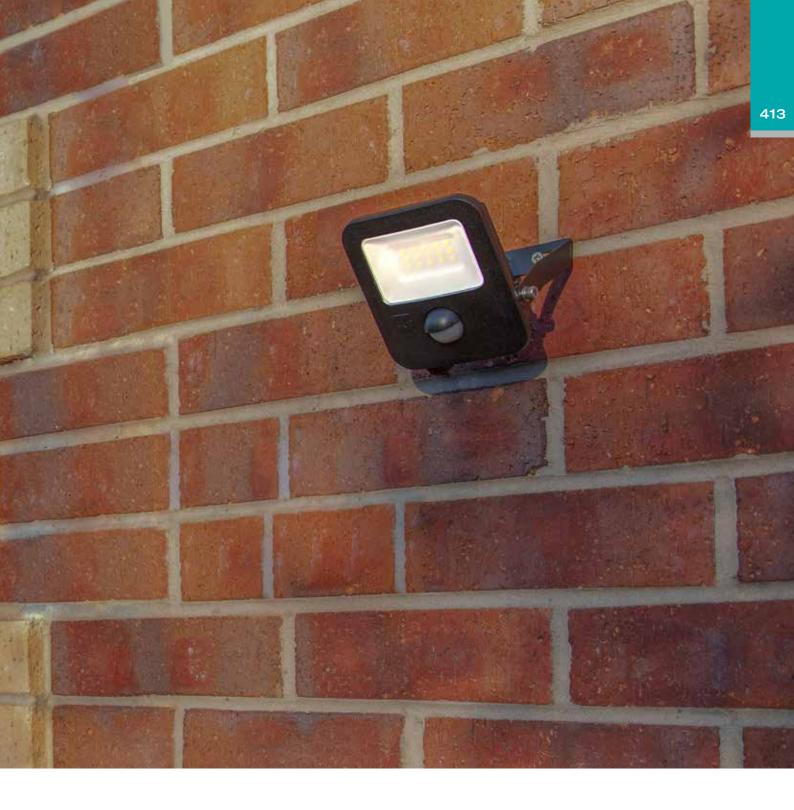
Die-cast aluminium heatsink

Robust powder coated die-cast aluminium heatsink provides excellent thermal management properties



Diffuser and reflector design

Internal mirrored reflector enhances light output from the LED array. The textured polycarbonate diffuser optimises distribution to provide excellent performance.





Fast and easy Installation

Angled mounting bracket design allows installation of the product without having to remove the bracket



Integrated PIR design Detection Range -120°

The integrated PIR design enhances the sleek and minimal appearance. Additionally all PIR versions are supplied with manual override facility and are IP65 rated

Supplied c/w Integral Driver









PIR

8 Seconds - 12 Minutes 0 - 1000 LUX Detection Angle - 120°





AZILED10/PIR

AZILED20

Code



AZILED20/PIR



Floodlighting Spike Accessory

Trade

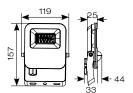
Windage

Standard	AZILED10	LED	10W - Cool White	0.02	£27.05
PIR	AZILED10/PIR	LED	10W c/w PIR - Cool White	0.02	£42.05
Standard	AZILED20	LED	20W - Cool White	0.04	£46.55
PIR	AZILED20/PIR	LED	20W c/w PIR - Cool White	0.04	£61.55
Standard	AZILED10/WW	LED	10W - Warm White	0.02	£27.05
PIR	AZILED10/WW/PIR	LED	10W c/w PIR - Warm White	0.02	£42.05
Standard	AZILED20/WW	LED	20W - Warm White	0.04	£46.55
PIR	AZILED20/WW/PIR	LED	20W c/w PIR - Warm White	0.04	£61.55
Accessory	AMFLSA	Floodlig	hting Spike Accessory		£6.20

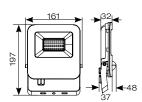
Description

Lamp

- Compact and economic polycarbonate LED floodlight
- Only suitable for semi commercial applications
- 10W LED ideal for halogen replacement
- 20W LED exceeds performance of 20W HQI
- Polished faceted reflector and textured polycarbonate for optimum performance
- Bracket design allows installation without removing mounting bracket
- Pre-wired with 1 metre of rubber insulated cable for ease of installation (500mm for 10W)
- Polycarbonate spike accessory (up to 50W versions only) allowing installation into lawn and garden applications
- PIR versions complete with manual override facility
- LED lifespan L70 52,000 hours
- Non-dimmable



AZILED10 - AZILED10/PIR



AZILED20 - AZILED20/PIR

Total (Watts)	10W		
	2	OW	
Lumens Delivered	Cool White	Warm White	
10W	843lm	771lm	
20W	1709lm	1575lm	
Lm/W 10W	84lm	77lm	
Lm/W 20W	90lm	83lm	
CRI		Ra 70	
CCT		4000K	
		3000K	
Input		230V	
Hertz		50Hz	
Operating Temp	-10	°C to 40°C	

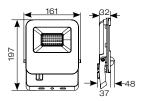




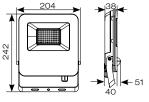




- Compact and economic polycarbonate LED floodlight
- Only suitable for semi commercial applications
- 30W LED comparable light output of 35W HQI
- 50W LED exceeds performance of 70W HQI
- Polished faceted reflector and textured polycarbonate for optimum performance
- Bracket design allows installation without removing mounting bracket
- Pre-wired with 1 metre of rubber insulated cable for ease of installation
- Polycarbonate spike accessory (up to 50W versions only) allowing installation into lawn and garden applications
- PIR versions complete with manual override facility
- LED lifespan L70 52,000 hours
- Non-dimmable



AZILED30 - AZILED30/PIR



AZILED50 - AZILED50/PIR

LED Information

Total (Watts)	30W		
	50W		
Lumens Delivered	Cool White	Warm White	
30W	2614lm	2415lm	
50W	4698lm	4198lm	
Lm/W 30W	84lm	78lm	
Lm/W 50W	94lm	84lm	
CRI		Ra 70	
CCT		4000K	
		3000K	
Input		230V	
Hertz		50Hz	
Operating Temp	-1	0°C to 40°C	



















10 Metres Fixed 8 Seconds - 12 Minutes

0 - 1000 LUX

Detection Angle - 120°





AZILED50









AZILED50/PIR

	Code	Lamp	Description	Windage	Trade
Standard	AZILED30	LED	30W - Cool White	0.04	£55.00
PIR	AZILED30/PIR	LED	30W c/w PIR - Cool White	0.04	£70.00
Standard	AZILED50	LED	50W - Cool White	0.05	£85.50
PIR	AZILED50/PIR	LED	50W c/w PIR - Cool White	0.05	£100.50
Standard	AZILED30/WW	LED	30W - Warm White	0.04	£55.00
PIR	AZILED30/WW/PIR	LED	30W c/w PIR - Warm White	0.04	£70.00
Standard	AZILED50/WW	LED	50W - Warm White	0.05	£85.50
PIR	AZILED50/WW/PIR	LED	50W c/w PIR - Warm White	0.05	£100.50

Accessory AMFLSA	Floodlighting Spike Accessory	£6.20
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Warrington: Belfast:

+44 (0) 1942 433333 +44 (0) 2890 773750



Supplied c/w Integral Driver









AWZILED10



AWZILED10/PIR



AWZILED20



AWZILED20/PIR



8 Seconds - 12 Minutes

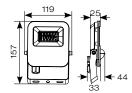
0 - 1000 LUX

AMFLSA Floodlighting Spike Accessory

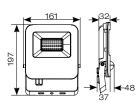
	Code	Lamp	Description	Windage	Trade
Standard	AWZILED10	LED	10W - Cool White	0.02	£27.05
PIR	AWZILED10/PIR	LED	10W c/w PIR - Cool White	0.02	£42.05
Standard	AWZILED20	LED	20W - Cool White	0.04	£46.55
PIR	AWZILED20/PIR	LED	20W c/w PIR - Cool White	0.04	£61.55
Standard	AWZILED10/WW	LED	10W - Warm White	0.02	£27.05
PIR	AWZILED10/WW/PIR	LED	10W c/w PIR - Warm White	0.02	£42.05
Standard	AWZILED20/WW	LED	20W - Warm White	0.04	£46.55
PIR	AWZILED20/WW/PIR	LED	20W c/w PIR - Warm White	0.04	£61.55

Accessory AMFLSA	Floodlighting Spike Accessory	£6.20

- Compact and economic polycarbonate LED floodlight
- Only suitable for semi commercial applications
- 10W LED ideal for halogen replacement
- 20W LED exceeds performance of 20W HQI
- Polished faceted reflector and textured polycarbonate for optimum performance
- Bracket design allows installation without removing mounting bracket
- Pre-wired with 1 metre of rubber insulated cable for ease of installation (500mm for 10W)
- Polycarbonate spike accessory (up to 50W versions only) allowing installation into lawn and garden applications
- PIR versions complete with manual override facility
- LED lifespan L70 25,000 hours
- Non-dimmable



AWZILED10 - AWZILED10/PIR



AWZILED20 - AWZILED20/PIR

Total (Watts)	1	WOI
	2	2OW
Lumens Delivered	Cool White	Warm White
10W	843lm	771lm
20W	1709lm	1575lm
Lm/W 10W	84lm	77lm
Lm/W 20W	90lm	83lm
CRI		Ra 70
CCT		4000K
		3000K
Input		230V
Hertz		50Hz
Operating Temp	-10	°C to 40°C









Zion LED White Polycarbonate

Supplied c/w Integral Driver

















10 Metres Fixed 8 Seconds - 12 Minutes 0 - 1000 LUX Detection Angle - 120°



installation into lawn and garden applications PIR versions complete with

Compact and economic polycarbonate LED

commercial applications 30W LED comparable light output of 35W HQI 50W LED exceeds performance of 70W HQI Polished faceted reflector and textured polycarbonate for optimum performance Bracket design allows

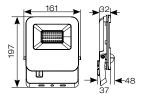
Only suitable for semi

installation without

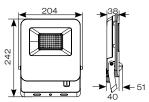
removing mounting bracket

Pre-wired with 1 metre of rubber insulated cable for ease of installation Polycarbonate spike accessory (up to 50W versions only) allowing

floodlight



AWZILED30 - AZILED30/PIR



AWZILED50 - AZILED50/PIR

AWZILED30



AWZILED50



AWZILED30/PIR



Accessory

AWZILED50/PIR

	Code	Lamp	Description	Windage	Trade
Standard	AWZILED30	LED	30W - Cool White	0.04	£55.00
PIR	AWZILED30/PIR	LED	30W c/w PIR - Cool White	0.04	£70.00
Standard	AWZILED50	LED	50W - Cool White	0.05	£85.50
PIR	AWZILED50/PIR	LED	50W c/w PIR - Cool White	0.05	£100.50
Standard	AWZILED30/WW	LED	30W - Warm White	0.04	£55.00
PIR	AWZILED30/WW/PIR	LED	30W c/w PIR - Warm White	0.04	£70.00
Standard	AWZILED50/WW	LED	50W - Warm White	0.05	£85.50
PIR	AWZILED50/WW/PIR	LED	50W c/w PIR - Warm White	0.05	£100.50

Accessory AMFLSA	Floodlighting Spike Accessory	£6.20

Total (Watts)	(30W
	Ę	50W
Lumens Delivered	Cool White	Warm White
30W	2614lm	2415lm
50W	4698lm	4198lm
Lm/W 30W	84lm	78lm
Lm/W 50W	94lm	84lm
CRI		Ra 70
CCT		4000K
		3000K
Input		230V
Hertz		50Hz
Operating Temp	-10	0°C to 40°C









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Zion LED 110V Polycarbonate

Supplied c/w Integral Driver

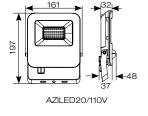








- Compact and economic polycarbonate LED floodlight
- 20W LED exceeds performance of 20W HQI
- Suitable for all types of 110V site lighting
- Polished faceted reflector and textured polycarbonate for optimum performance
- Bracket design allows installation without removing mounting bracket
- Pre-wired with 1 metre of rubber insulated cable for ease of installation
- LED lifespan L70 25,000 hours
- Non-dimmable



Lm/W	90lm
CRI	Ra 70
CCT	4000K
Input	110V
Hertz	50Hz
Operating Temp	-10°C to 40°C





Total (Watts)

Lumens Delivered







20W

1709lm 90lm



Supplied c/w Integral Driver















ACALED10/PIR



ACALED20



ACALED20/PIR



5 - 12 Metres

10 Seconds - 8 Minutes

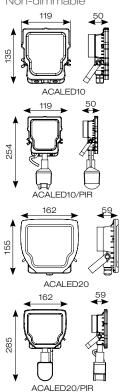
3 Lux - PC Off

Detection Angle - 120°

AMFLSA Floodlighting Spike Accessory

	Code	Lamp	Description	Windage	Trade
Standard	ACALED10	LED	10W - Cool White	0.02	£29.95
PIR	ACALED10/PIR	LED	10W c/w PIR - Cool White	0.04	£44.95
Standard	ACALED20	LED	20W - Cool White	0.03	£51.50
PIR	ACALED20/PIR	LED	20W c/w PIR - Cool White	0.05	£66.50
Standard	ACALED10/WW	LED	10W - Warm White	0.02	£29.95
PIR	ACALED10/WW/PIR	LED	10W c/w PIR - Warm White	0.04	£44.95
Standard	ACALED20/WW	LED	20W - Warm White	0.03	£51.50
PIR	ACALED20/WW/PIR	LED	20W c/w PIR - Warm White	0.05	£66.50
Accessory	AMFLSA	Flood	llighting Spike Accessory		£6.20

- Compact and economic polycarbonate LED floodlight
- Only suitable for semi commercial applications
- Warm and Cool white options
- 10W LED ideal for halogen replacement 20W LED exceeds performance of 20W HQI
- Polished faceted reflector and textured glass for optimum performance
- Pre-wired with 1 metre of rubber insulated cable for ease of installation (500mm for 10W)
- Polycarbonate spike accessory (up to 50W versions only) allowing installation into lawn and garden applications
- PIR versions complete with manual override facility
- LED lifespan L70 20,000 hours
- Non-dimmable



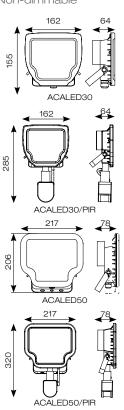
Total (Watts)		10W
		20W
Lumens Delivered	Cool White	e Warm White
10W	942lm	892lm
20W	1924lm	1807lm
Lm/W 10W	94lm	89lm
Lm/W 20W	96lm	90lm
CRI		Ra 80
CCT		4000K
		3000K
Input		230V
Hertz		50Hz
Operating Temp	-	15°C to 40°C







- Compact and economic polycarbonate LED floodlight
- Only suitable for semi commercial applications
- Warm and Cool white options
- 30W LED comparable light output of 35W HQI 50W LED exceeds performance of 70W HQI
- Polished faceted reflector and textured glass for optimum performance
- Pre-wired with 1 metre of rubber insulated cable for ease of installation
- Polycarbonate spike accessory (up to 50W versions only) allowing installation into lawn and garden applications
- PIR versions complete with manual override facility
- LED lifespan L70 20,000 hours
- Non-dimmable



LED Information

Total (Watts)		30W
		50W
Lumens Delivered	Cool Whit	e Warm White
30W	2708lm	2701lm
50W	4770lm	4511lm
Lm/W 30W	97lm	97lm
Lm/W 50W	99lm	94lm
CRI		Ra 80
CCT		4000K
		3000K
Input		230V
Hertz		50Hz
Operating Temp	-	15°C to 40°C



Calinor LED Polycarbonate

Supplied c/w Integral Driver















Detection Angle - 120°

ACALED30

ACALED30/PIR







Floodlighting Spike

Accessory

ACALED50

ACALED30

ACALED50

ACALED30/PIR

ACALED50/PIR

Code

Standard

Standard

PIR

PIR

ACALED50/PIR

Windage	Trade
0.03	£61.50
0.05	£76.50
0.05	£95.00
0.07	£110.00

Standard	ACALED30/WW	LED	30W - Warm White	0.03	£61.50
PIR	ACALED30/WW/PIR L	LED	30W c/w PIR - Warm White	0.05	£76.50
Standard	ACALED50/WW	LED	50W - Warm White	0.05	£95.00
PIR	ACALED50/WW/PIR	LED	50W c/w PIR - Warm White	0.07	£110.00

Lamp Description

LED

LED

LED

LED

30W - Cool White

50W - Cool White

30W c/w PIR - Cool White

50W c/w PIR - Cool White

Warrington: Belfast:

+44 (0) 1942 433333 +44 (0) 2890 773750



















AEDELED10/WW/PIR



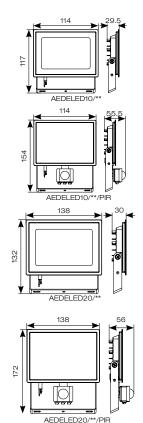
AEDELED20/WW

AEDELED20/WW/PIR

	Code	Lamp	Description	Windage	Trade
Standard	AEDELED10/CW	LED	10W - Cool White	0.02	£28.85
PIR	AEDELED10/CW/PIR	LED	10W c/w PIR - Cool White	0.02	£42.85
Standard	AEDELED20/CW	LED	20W - Cool White	0.02	£49.45
PIR	AEDELED20/CW/PIR	LED	20W c/w PIR - Cool White	0.03	£63.45
Standard	AEDELED10/WW	LED	10W - Warm White	0.02	£28.85
PIR	AEDELED10/WW/PIR	LED	10W c/w PIR - Warm White	0.02	£42.85
Standard	AEDELED20/WW	LED	20W - Warm White	0.02	£49.45
PIR	AEDELED20/WW/PIR	LED	20W c/w PIR - Warm White	0.03	£63.45
Accessory	AMFLSA	Floodligh	nting Spike Accessory		£6.20

- Compact and economic aluminium LED floodlight
- Only suitable for semi commercial applications
- 10W ideal for halogen replacement
- 20W exceeds performance of 20W HQI
- Bracket design allows installation without removing mounting bracket
- PIR versions complete with manual override facility
- Pre-wired with 1 metre of rubber insulated cable for ease of installation
- Polycarbonate spike accessory allowing installation into lawn and garden applications
- Cool white and warm white options available
- LED lifespan L90 36,000 hours
- Non-dimmable

AMFLSA Floodlighting Spike Accessory



LED Information

Total (Watts)		10W
		20W
Lumens Delivered	Cool White	Warm White
10W	953lm	894lm
20W	1834lm	1720lm
Lm/W 10W	95lm	89lm
Lm/W 20W	92lm	86lm
CRI		Ra 80
CCT		4000K
		3000K
Input		220-240V
Hertz		50/60Hz
Operating Temp	-20	0°C to 40°C

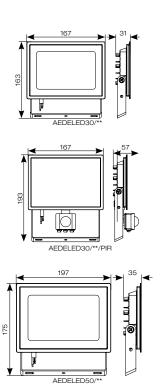








- Compact and economic aluminium LED floodlight
- Only suitable for semi commercial applications
- 30W comparable light output of 35W HQI
- 50W comparable light output of 70W HQI
- Bracket design allows installation without removing mounting bracket
- PIR versions complete with manual override facility
- Pre-wired with 1 metre of rubber insulated cable for ease of installation
- Polycarbonate spike accessory allowing installation into lawn and garden applications
- Cool white and warm white options available
- LED lifespan L90 36,000 hours
- Non-dimmable



LED Information

Total (Watts)		30W
		50W
Lumens Delivered	Cool White	Warm White
30W	2762lm	2547lm
50W	4359lm	3917lm
Lm/W 30W	92lm	85lm
Lm/W 50W	87lm	78lm
CRI		Ra 80
CCT		4000K
		3000K
Input		220-240V
Hertz		50/60Hz
Operating Temp	-2	20°C to 40°C













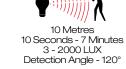
















AEDELED30/CW





AEDELED30/WW/PIR

AMFLSA Floodlighting Spike Accessory

	Code	Lamp	Description	Windage	Trade
Standard	AEDELED30/CW	LED	30W - Cool White	0.03	£71.00
PIR	AEDELED30/CW/PIR	LED	30W c/w PIR - Cool White	0.04	£85.00
Standard	AEDELED50/CW	LED	50W - Cool White	0.04	£95.00
PIR	AEDELED50/CW/PIR	LED	50W c/w PIR - Cool White	0.04	£109.00
Standard	AEDELED30/WW	LED	30W - Warm White	0.03	£71.00
PIR	AEDELED30/WW/PIR	LED	30W c/w PIR - Warm White	0.04	£85.00
Standard	AEDELED50/WW	LED	50W - Warm White	0.04	£95.00
PIR	AEDELED50/WW/PIR	LED	50W c/w PIR - Warm White	0.04	£109.00

Accessory AMFLSA Floodlighting Spike Accessory £6.20



Lynx Mini LED CCT Wallpack Supplied c/w Integral Driver



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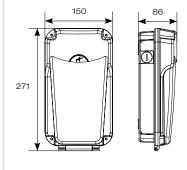




Selectable CCT switch between 3000K and 4000K located on the LED array

	Code	Lamp	Description	Irade
	AMLWPLED/CCT	LED	15W - Cool White/Warm White	£90.00
Options	/PC		Electronic Photocell	+ £33.00
	/MWS		Integral Microwave Sensor	+ £56.00

- Robust compact wall mounted luminaire for general accent illumination
- All polycarbonate vandal resistant body with fresnel lens
- Tamper-proof allen key screws supplied as standard
- Multiple conduit entry and BESA box fixing points
- Selectable CCT between 3000K and 4000K output
- Photocell and sensor options
- LED lifespan L70 56,000 hours



Total (Watts)	15W
Lumens Delivered	d
Cool White	1446lm
Warm White	1172lm
Lm/W	
Cool White	96lm
Warm White	78lm
CRI	Ra 80
CCT	4000K
	3000K
Input	230V
Hertz	50/60Hz
Operating Temp	-10°C to 40°C









Lynx LED Wallpack

Supplied c/w Integral Driver

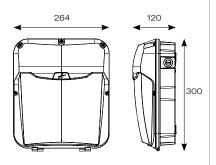








- Robust wall mounted luminaire for general accent illumination
- Integral emergency option provides downward illumination with a beam angle of 60°
- Die-cast aluminium body with vandal resistant polycarbonate Fresnel lens diffuser
- Tamper-proof allen key screws supplied as standard
- Multiple conduit entry and BESA box fixing points
- Photocell and sensor options
- LED lifespan L70 56,000 hours



Total (Watts)	29W
Lumens Delivered	
Cool White	2073lm
Warm White	1935lm
Lm/W	
Cool White	71lm
Warm White	67lm
CRI	Ra 80
CCT	4000K
	3000K
Input	230V
Hertz	50Hz
Operating Temp	0°C to 25°C









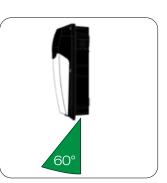












Emergency Standby Emergency Operation

Emergency Mode Beam Angle

	Code	Lamp	Description	Trade
	ALWPLED	LED	29W - Cool White	£152.00
	ALWPLED/WW	LED	29W - Warm White	£152.00
Options	/PC	Electronic Photocell		+ £33.00
	/M3	Emergency		+ £85.00
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)		+ £90.00
	/MWS	Integral Microwave Sensor		+ £56.00









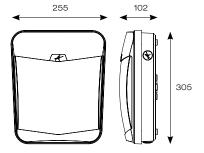


Selectable CCT switch between 3000K, 4000K and 6500K located on the LED array

Code	Lamp	Description	Trade
APANLED	LED	25W - Cool White, Warm White, Daylight	£75.00

Options	/PC	Electronic Photocell	+£33.00
	/MWS	Integral Microwave Sensor	+ £56.00

- Durable compact wall mounted luminaire for general illumination
- All polycarbonate construction ideal for coastal and adverse weather applications
- Multiple conduit entry and BESA box fixing points
- Selectable CCT between 3000K, 4000K and 6500K output
- Supplied c/w optional trim attachment which provides a more commercially aesthetic appearance
- Photocell and sensor options
- LED lifespan L80 B10 60,000 hours



Total (Watts)	25W
Lumens Delivered	b
Cool White	2250lm
Warm White	2100lm
Daylight	2150lm
Lm/W	
Cool White	90lm
Warm White	84lm
Daylight	86lm
CRI	Ra 80
CCT	3000K
	4000K
	6500K
Input	220-240V
Hertz	50Hz
Operating Temp	-10°C to 40°C









Asuri LED Post Top Supplied c/w Integral Driver

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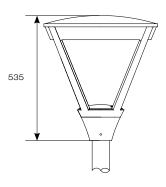


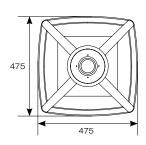


Code	Lamp	Description	Windage	Trade
ASULED/1/CW	LED	42W - Cool White	0.08	£730.00
ASULED/2/CW	LED	63W - Cool White	0.08	£815.00
ASULED/1/WW	LED	42W - Warm White	0.08	£730.00
ASULED/2/WW	LED	63W - Warm White	0.08	£815.00

Options	/PC	Electronic Photocell	+ £33.00
---------	-----	----------------------	----------

- Modern die-cast aluminium post top lantern
- Electrostatic paint finish for enhanced corrosion resistance
- Ideal for large carparks and large open areas
- Suitable for residential and commercial use
- Adjustable spigot bracket 50-76mm supplied as standard
- Powered by Philips
- LED lifespan L70 50,000 hours





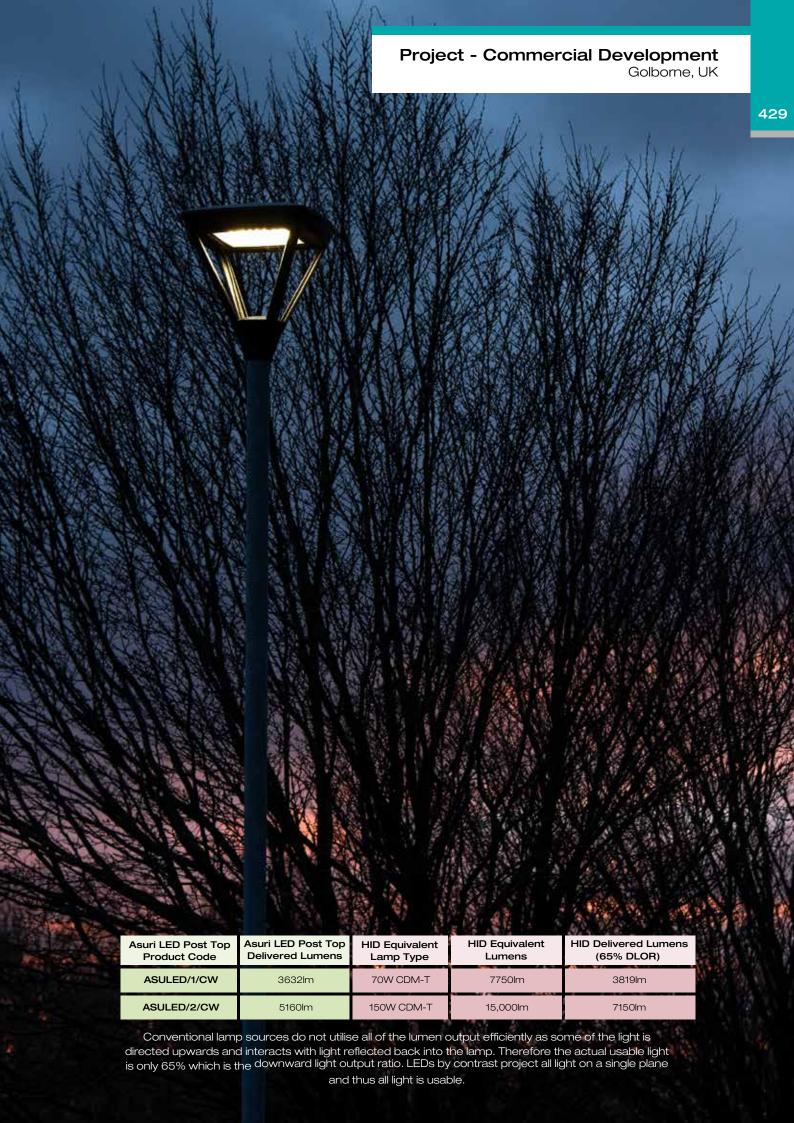
Total (Watt)	42W	63W
Lumens Delivered		
Cool White	3632lm	5160lm
Warm White	3060lm	4350lm
Lm/W		
Cool White	86lm	82lm
Warm White	77lm	73lm
CRI		Ra 70
CCT		4000K
		3000K
Input	10	00/240V
Hertz		50Hz
Operating Temp	-40°C	to 55°C











Helix LED CCT Post Top Supplied c/w Integral Driver







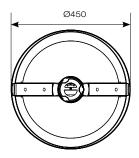


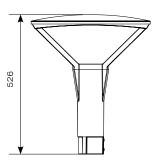


3000K and 4000K located on the post head

Code	Lamp	Description	Windage	Trade
AHPTLED/1	LED	40W - Cool White/Warm Wh	nite 0.24	£400.00
AHPTLED/2	LED	75W - Cool White/Warm Wh	nite 0.24	£450.00

- Modern die-cast aluminium post top lantern
- CCT selectable between 3000K and 4000K
- Electrostatic paint finish for enhanced corrosion resistance
- Advanced lens technology providing optimum performance and control.
- Ideal for large carparks and large open areas
- Suitable for residential and commercial use
- 76mm spigot bracket
- LED lifespan L70 B10 54,000 hours





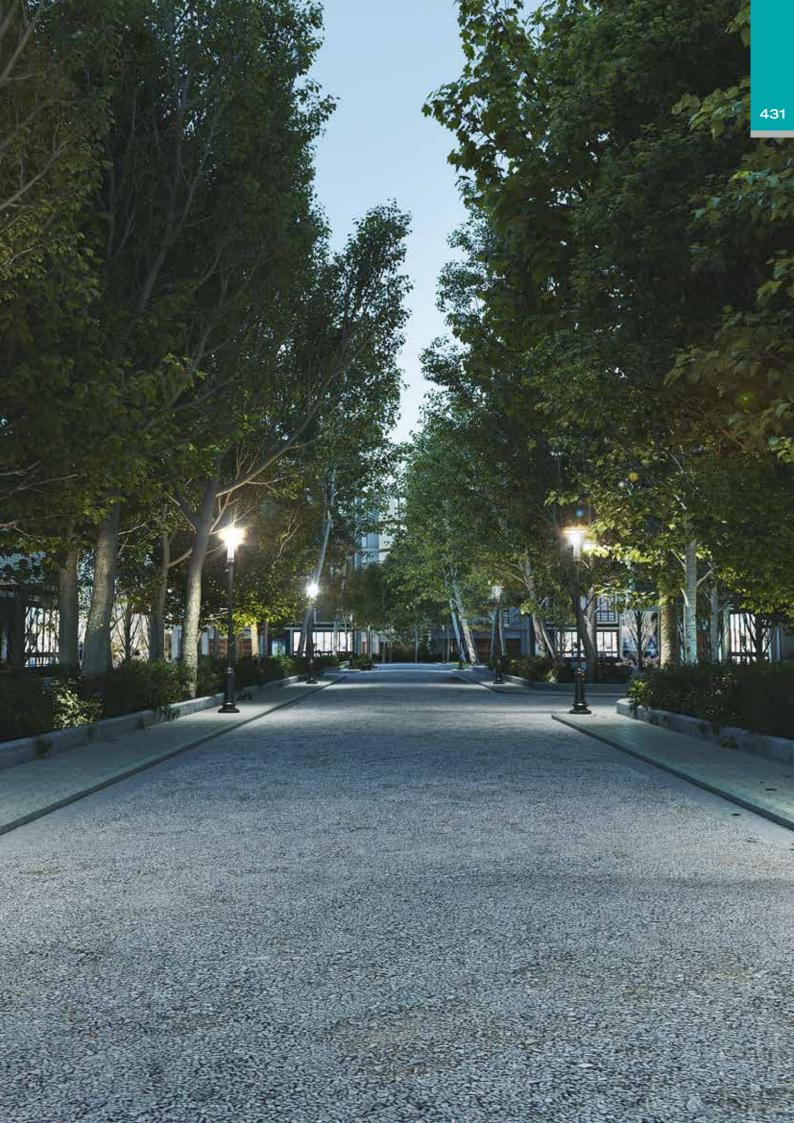
Total (Watt)	40W	75W
Lumens Delivered		
Cool White	4750lm	8500lm
Warm White	4600lm	8150lm
Lm/W		
Cool White	116lm	114lm
Warm White	114lm	109lm
CRI		Ra 70
CCT		4000K
		3000K
Input		230V
Hertz		50/60Hz
Operating Temp	-30°C	to 50°C

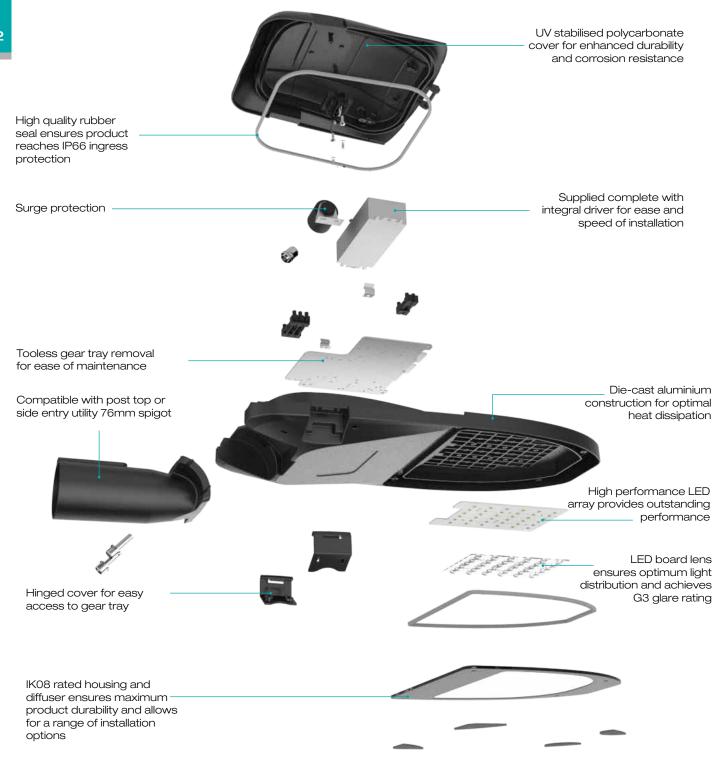










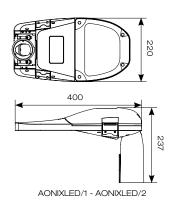


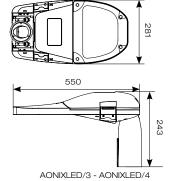
Onix LED Street Light Product Code	Onix LED Street Light Delivered Lumens	HID Equivalent Lamp Type	HID Equivalent Lumens	HID Delivered Lumens (65% DLOR)
AONIXLED1	1974lm	35W CDM-T	4000lm	2528lm
AONIXLED2	3936lm	70W HQI-E	5300lm	3816lm
AONIXLED3	6167lm	100W HQI-E	8100lm	6035lm
AONIXLED4	8222lm	150W HQI-E	13,300lm	8606lm

Conventional lamp sources do not utilise all of the lumen output efficiently as some of the light is directed upwards and interacts with light reflected back into the lamp. Therefore the actual usable light is only 65% which is the downward light output ratio. LEDs by contrast project all light on a single plane and thus all light is usable.

Die-cast aluminium construction for optimal heat dissipation and performance

- UV stabilized polycarbonate cover
- Toolless gear tray removal for ease of maintenance
- Built in anti-tamper isolation facility
- Compatible with post top or side entry utility 76mm spigot
- G3 Glare Rating
- Surge protection
- Available in standard, complete with photocell option
- LED lifespan L70 50,000 hours
- Please note: when installing the wall bracket accessory (AONIXLED/WB) the spigot accessory (AONIXLED/SBA) is also required to ensure a secure installation





LED Information

Total (Watts)	20W	60W
	40W	80W
Lumens Delivered	1974lm	6167lm
	3936lm	8222lm
Lm/W	104lm	103lm
	98lm	103lm
CRI		Ra 70
CCT		5000K
Input	10	00/240V
Hertz		50Hz
Operating Temp	-20°C	to 50°C



Onix LED Street Light

Supplied c/w Integral Driver











Code	Lamp	Description	Windage	Trade
AONIXLED/1	LED	20W - Cool White	0.04	£382.00
AONIXLED/2	LED	40W - Cool White	0.04	£427.00
AONIXLED/3	B LED	60W - Cool White	0.07	£547.00
AONIXLED/4	LED	80W - Cool White	0.07	£624.00

Options	/PC	Electronic Photocell	+ £33.00
Accessories	AONIXLED/SBA	48-60mm Spigot Bracket	£22.50
	AONIXLED/WB	Wall Bracket	£28.80

Belfast:

Warrington: +44 (0) 1942 433333 +44 (0) 2890 773750



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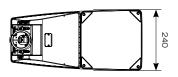


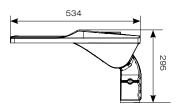


Side entry utility 76mm spigot

Code	Lamp	Description	Windage	Trade
AMAGLED/1	LED	30W - Cool White	0.16	£340.00
AMAGLED/2	LED	50W - Cool White	0.16	£375.00
AMAGLED/3	LED	70W - Cool White	0.16	£460.00

- Die-cast aluminium construction for optimal heat dissipation and performance
- UV stabilized polycarbonate cover
- Toolless gear tray removal for ease of maintenance
- Built in anti-tamper isolation facility
- Compatible with post top or side entry utility 76mm spigot
- Advanced lens technology providing optimum performance and control.
- G3 Glare Rating
- Surge protection
- Available in standard, complete with photocell option
- LED lifespan L80 B10 54,000 hours





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Total (Watts)	30W
	50W
	70W
Lumens Delivered	
30W	5300lm
50W	7800lm
70W	10900lm
Lm/W 30W	152lm
Lm/W 50W	152lm
Lm/W 70W	151lm
CRI	Ra 70
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-30°C to 50°C











Spirit LED Asymmetrical Projector Supplied c/w Integral Driver



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ASPPLED/ASY/WW



ASPPLED/ASY/CW

Code	Lamp	Description	Trade
ASPPLED/ASY/CW	LED	24W - Cool White	£190.00
ASPPLED/ASY/WW	LED	24W - Warm White	£190.00

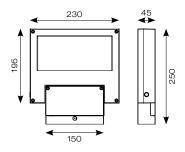
- High performance LED projector light
- Suitable for ground or wall mounting
- Die-cast aluminium construction with textured graphite finish
- LED lifespan L90 B50 36.000 hours
- Non-dimmable

Internal application examples:-

Transport hubs, churches and historical buildings amongst other commercial applications. Ideal to improve atmosphere and brighten indoor spaces

External application examples:-

Commercial buildings to provide a sufficient wall washer effect for projected facades



Total (Watts)	24W			
Lumens Delivered				
Cool White	1700lm			
Warm White	1600lm			
Lm/W				
Cool White	71lm			
Warm White	66lm			
CRI	Ra 80			
CCT	4000K			
	3000K			
Input	230V			
Hertz	50Hz			
Operating Temp	0°C to 25°C			





Spirit LED Symmetrical Projector

Supplied c/w Integral Driver









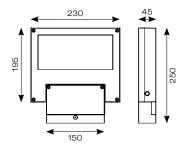
- High performance LED projector light
- Suitable for ground or wall mounting
- Die-cast aluminium construction with textured graphite finish
- Comparable performance to 35W CDM-T
- LED lifespanL90 B50 36,000 hours
- Non-dimmable

Internal application examples:-

Historical buildings, churches and hotel lobbies. Ideal at improving atmosphere and brightening indoor spaces

External application examples:-

Communal and residential gardens. ideal for illuminating landscapes providing a sufficient floodlight effect



LED Information

Total (Watts)	24W			
Lumens Delivered				
Cool White	2150lm			
Warm White	1975lm			
Lm/W				
Cool White	90lm			
Warm White	83lm			
CRI	Ra 80			
CCT	4000K			
	3000K			
Input	230V			
Hertz	50Hz			
Operating Temp	0°C to 25°C			





ASPPLED/SYM/WW



ASPPLED/SYM/CW

Code	Lamp	Description	Trade
ASPPLED/SYM/CW	LED	24W - Cool White	£230.00
ASPPLED/SYM/WW	LED	24W - Warm White	£230.00

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