



S13

Solutions 13

TRADE BUYERS GUIDE
EFFECTIVE 1st September 2019



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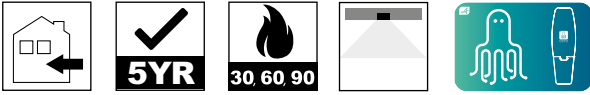
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Prism LED Fire Rated Downlight

Supplied c/w Integral Driver



Easy wiring access

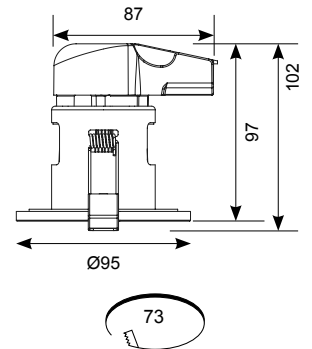
- LED dimmable fire-rated downlight for domestic applications
- Supplied with matt white bezel as standard
- Integral driver with push-fit loop-in, loop-out terminals for ease and speed of installation
- Fully tested for 30, 60 and 90 minute ceiling types to meet Part B of Building Regulations
- Fully tested to meet Part C (moisture) and Part E (acoustic) of Building Regulations
- Wide 60° beam angle for increased light distribution
- LED lifespan L70 40,000 hours

Dimming - for best compatibility the following products are recommended :-

- Ansell** **AORBLEDDIMMER**
- Zano** **ZGRID500**
- Varilight** **V-PRO**



Matt White Bezel fitted as standard



Chrome Trim Bezel Accessory



Satin Chrome Trim Bezel Accessory

LED Information

Total (Watts)	7.3W
Lumens Delivered	
Cool White	715lm
Warm White	712lm
Lm/W Cool White	98lm
Lm/W Warm White	96lm
Beam Angle	60°
CRI	Ra 80
CCT	4000K
	3000K
Input	230V
Hertz	50Hz
Operating Temp	-5°C to 25°C

	Code	Lamp	Description
	APRILED/CW	LED	7.3W - Cool White
	APRILED/WW	LED	7.3W - Warm White
Trim Bezels	APRILEDDBZ/CH		Chrome Trim Bezel
	APRILEDDBZ/SC		Satin Chrome Trim Bezel
Dimmer	AORBLEDDIMMER		2 Way Push/Push



Fast push-fit loop-in, loop-out termination for 2x1.5mm twin and earth cable



Ergonomic moulded terminal housing

Steel body housing

Intumescent fire barrier

Unique heat sink design for optimum heat dissipation

Sturdy spring clips with protective covers

Optimum contact between heatsink and LED for maximum thermal performance

High efficiency LED light engine

Precision engineered reflector for enhanced light distribution

IP65 silicon seal
Part C and E compliant

Acoustic cushion

Aluminium die-cast secure screw on bezel with matt white paint finish or plated finishes

Product Certification



Part B
Test Nos.
30 Minutes - Exova WF383637
60 Minutes - Exova WF383638
90 Minutes - Exova WF383639



Part C

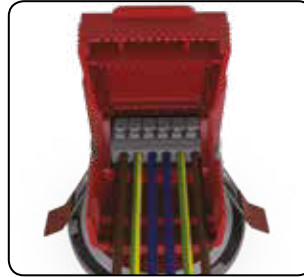


Part E



Prism LED Fire Rated Downlight CCT Pack

Supplied c/w Integral Driver and Bezel Accessories



Easy wiring access



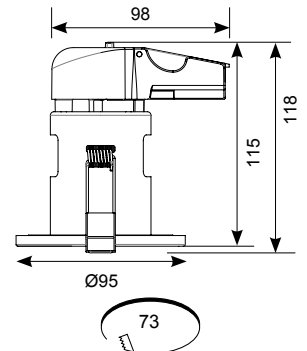
Colour temperature select switch

- LED dimmable fire-rated downlight for domestic applications
- Supplied with 3 bezels as standard:- matt white, chrome and satin chrome bezels
- Integrated switch allows installer the choice of 3000K, 4000K or 6000K colour temperature options
- Integral driver with push-fit loop-in, loop-out terminals for ease and speed of installation
- Fully tested for 30, 60 and 90 minute ceiling types to meet Part B of Building Regulations
- Fully tested to meet Part C (moisture) and Part E (acoustic) of Building Regulations
- Wide 60° beam angle for increased light distribution
- LED lifespan L70 40,000 hours

Dimming - for best compatibility the following products are recommended :-
Ansell AORBLED/DIMMER
Zano ZGRID500
Varilight V-PRO



Matt White Bezel fitted as standard



Chrome Trim Bezel supplied as standard



Satin Chrome Trim Bezel supplied as standard

LED Information

Total (Watts)	8W
Lumens Delivered	
Cool White	567lm
Warm White	625lm
Daylight	675lm
Lm/W Cool White	67lm
Lm/W Warm White	75lm
Lm/W Daylight	85lm
Beam Angle	60°
CRI	Ra 80
CCT	3000K
	4000K
	6000K
Input	230V
Hertz	50Hz
Operating Temp	-5°C to 25°C

Code	Lamp	Description
APRILED/CCTPACK	LED	8W - Cool White/ Warm White/ Daylight





One Product... Nine Choices

The Prism Fire Rated Downlight pack includes 3 bezel options (matt white, chrome and satin chrome), but also the integrated switch allows the installer to select options of 3000K, 4000K and 6000K colour temperatures

6000K

4000K

3000K



Unity GC Pro LED Adjustable Downlight

Supplied c/w Remote Driver

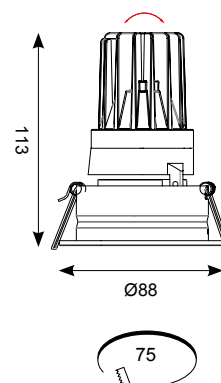
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- Compact high performance professional adjustable downlight
- Deep cut-off angle for glare control and comfort
- Die-cast aluminium construction, powder coated and 30° cut-off angle
- Comparable performance to 50W halogen
- 30° tilt angle
- Mirror finished anodized reflector for optimum light control
- Remote driver with plug and play connection
- LED lifespan L70 50,000 hours
- Triac dimmable as standard



30° tilt angle adjustability

LED Information

Total (Watts)	10W
Lumens Delivered	
Cool White	365lm
Warm White	317lm
Lm/W Cool White	37lm
Lm/W Warm White	32lm
Beam Angle	33°
CRI	Ra 90
CCT	4000K
	3000K
Input	230V
Hertz	50Hz
Operating Temp	-20°C to 50°C

Code	Lamp	Description
AULEDGCP/CW	LED	10W - Cool White
AULEDGCP/WW	LED	10W - Warm White



Aluminium heatsink for optimum thermal management to ensure long lifetime cycle

High quality OSRAM LED Light engine

Mirror finished anodized reflector optimises light distribution providing an excellent and uniform output

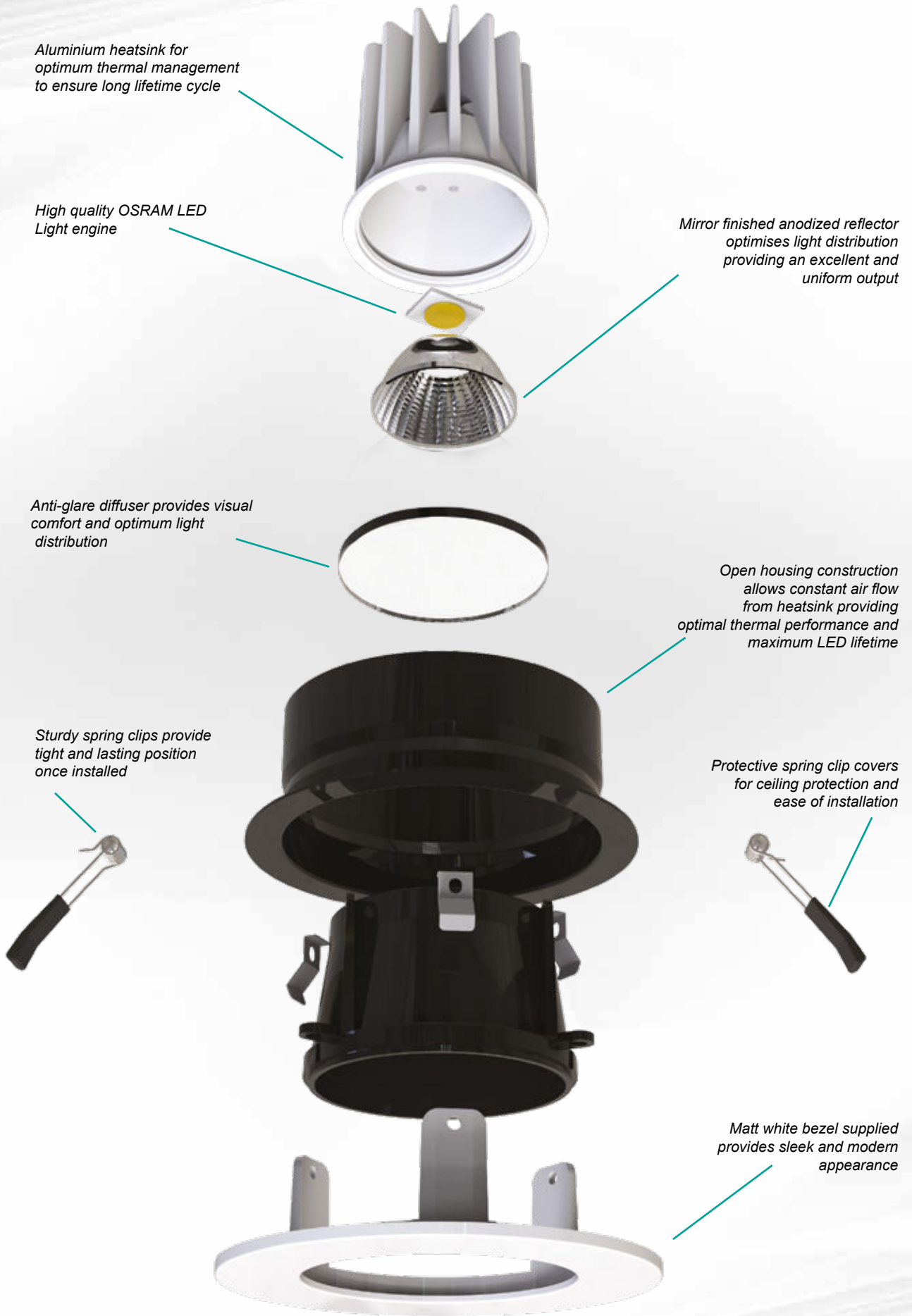
Anti-glare diffuser provides visual comfort and optimum light distribution

Open housing construction allows constant air flow from heatsink providing optimal thermal performance and maximum LED lifetime

Sturdy spring clips provide tight and lasting position once installed

Protective spring clip covers for ceiling protection and ease of installation

Matt white bezel supplied provides sleek and modern appearance



Unity GC Pro LED Fixed Downlight

Supplied c/w Remote Driver



AULEDGCP1/CW

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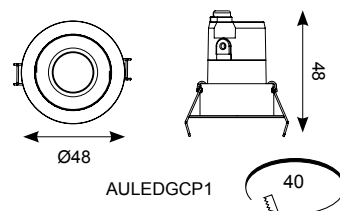


AULEDGCP2/CW

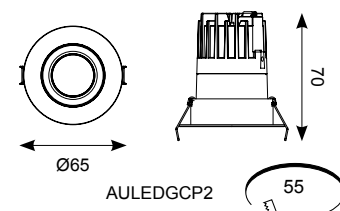


AULEDGCP3/CW

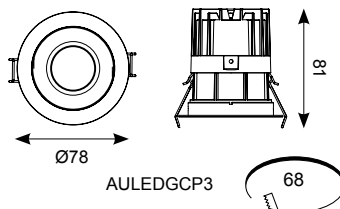
- Compact high performance professional downlight
- Deep cut-off angle for glare control and comfort
- Die-cast aluminium construction, powder coated
- 3W exceeds performance of 12W Halogen
- 8W comparable performance to 35W halogen
- 15W exceeds performance of 50W halogen
- Mirror finished anodized reflector for optimum light control
- Remote driver with plug and play connection
- LED lifespan L70 50,000 hours
- Non-dimmable



AULEDGCP1



AULEDGCP2



AULEDGCP3

Code	Lamp	Description
AULEDGCP1/CW	LED	3W - Cool White
AULEDGCP1/MW	LED	3W - Warm White
AULEDGCP2/CW	LED	8W - Cool White
AULEDGCP2/MW	LED	8W - Warm White
AULEDGCP3/CW	LED	15W - Cool White
AULEDGCP3/MW	LED	15W - Warm White

LED Information

	Cool White	Warm White
Total (Watts)	3W	
	8W	
	15W	
Lumens Delivered	121lm	113lm
	262lm	252lm
	629lm	586lm
Lm/W 3W	40lm	38lm
Lm/W 8W	33lm	32lm
Lm/W 15W	42lm	39lm
Beam Angle	36°	
CRI	Ra 90	
CCT	4000K	
	3000K	
Input	230V	
Hertz	50Hz	
Operating Temp	-20°C to 25°C	



Sturdy spring clips provide tight and lasting position once installed

Aluminium heatsink for optimum thermal management to ensure long lifetime cycle

Protective spring clip covers for ceiling protection and ease of installation

High quality LED light engine

Mirror finished anodized reflector optimises light distribution providing an excellent and uniform output

Anti-glare diffuser provides visual comfort and optimum light distribution

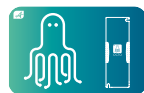
Specially designed baffle construction with recessed LED module and diffuser provide a steep cut-off angle ensuring maximum glare control and visual comfort

Slim profile matt white bezel provides sleek and modern appearance



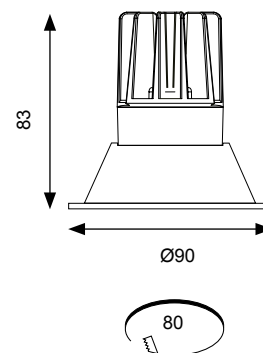
Unity 80 LED Downlight

Supplied c/w Remote Driver



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- Compact high performance professional downlight
- IP44 rating as standard
- Die-cast aluminium construction, powder coated and 30° cut-off angle
- Exceeds performance of 2 x 18W PLC
- Mirror finished anodized reflector
- Anti-glare design to create visual comfort
- Remote driver with plug and play connection
- LED lifespan L70 50,000 hours
- Dimmable and emergency options



Code	Lamp	Description
AULED80D	LED	15W - Cool White
AULED80D/WW	LED	15W - Warm White

/M3	Emergency
/OCTO	OCTO Smart Control
/DD	Digital Dimming (DD1/DD2/DD3/DD4)

LED Information

Total (Watts)	15W
Lumens Delivered	
Cool White	1056lm
Warm White	896lm
Lm/W Cool White	70lm
Lm/W Warm White	60lm
Beam Angle	50°
CRI	Ra 90
CCT	4000K
	3000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C



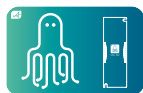


Project - Private Residential
Abersoch, UK

Unity 80 LED Gimbal

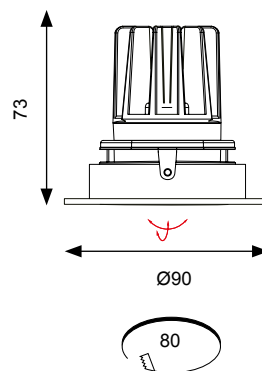
Supplied c/w Remote Driver

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- Compact high performance professional adjustable downlight
- 30° tilt angle
- Die-cast aluminium construction, powder coated and 30° cut-off angle
- Exceeds performance of 2x18W PLC
- Mirror finish anodized reflector
- Anti glare design to create visual comfort
- Remote driver with plug and play connection
- LED lifespan L70 50,000 hours
- Dimmable and emergency options



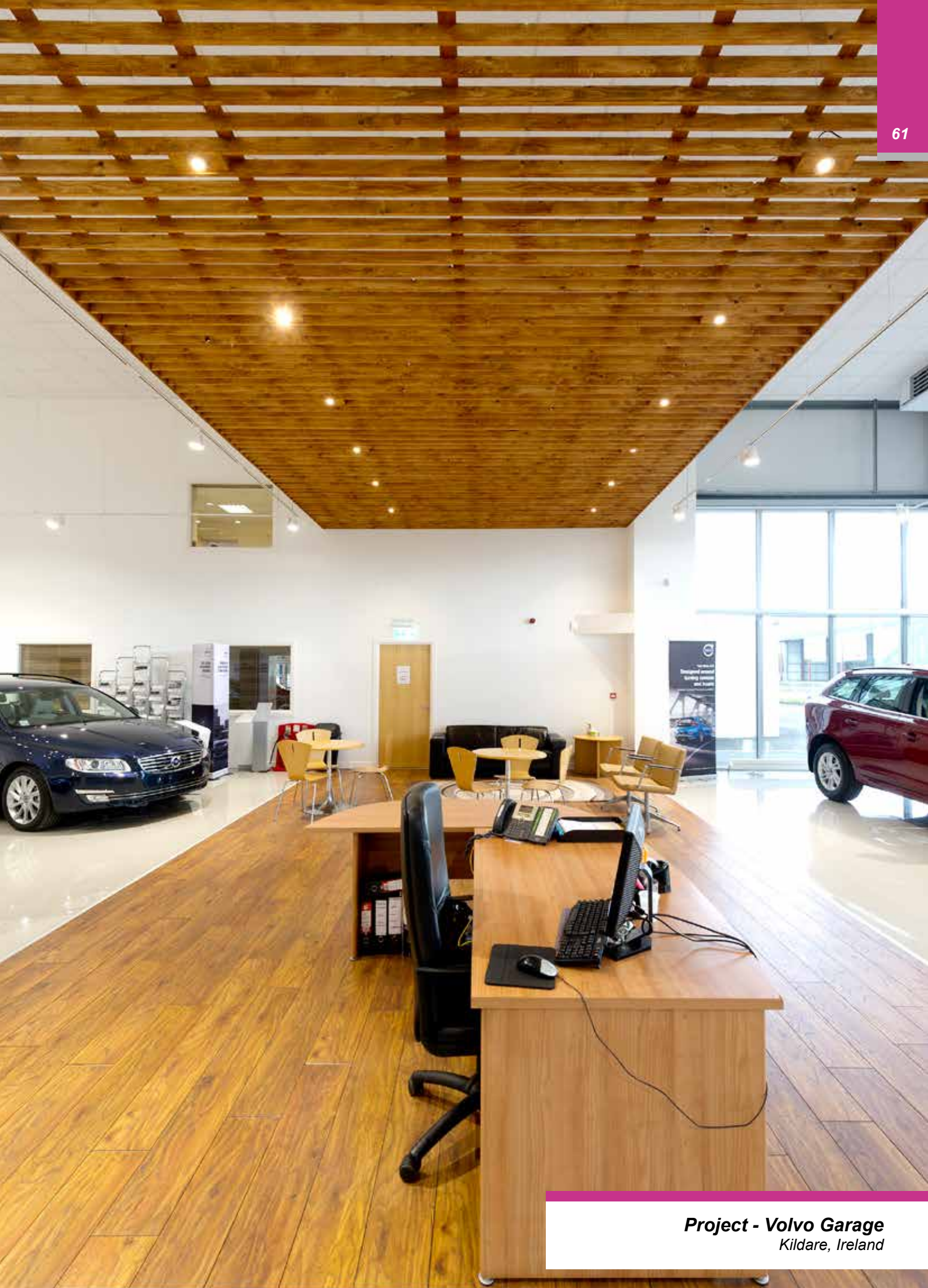
LED Information

Total (Watts)	15W
Lumens Delivered	
Cool White	1056lm
Warm White	896lm
Lm/W Cool White	70lm
Lm/W Warm White	60lm
Beam Angle	50°
CRI	Ra 90
CCT	4000K 3000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C

Code	Lamp	Description
AULED80GIM	LED	15W - Cool White
AULED80GIM/WW	LED	15W - Warm White

Options		
/M3		Emergency
/OCTO		OCTO Smart Control
/DD		Digital Dimming (DD1/DD2/DD3/DD4)





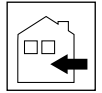
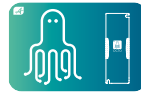
Project - Volvo Garage
Kildare, Ireland



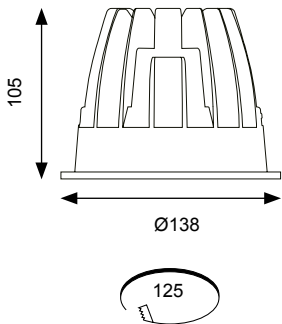
Project - Ocean BMW Garage
Falmouth, UK

Unity 125 LED Downlight

Supplied c/w Remote Driver



- Compact high performance professional downlight
- IP44 rating as standard
- Die-cast aluminium construction, powder coated and 30° cut-off angle
- Performance comparable to 2x26W PLC
- Mirror finished anodized reflector
- Anti-glare design to create visual comfort
- Remote driver with plug and play connection
- LED lifespan L70 50,000 hours
- Dimmable and emergency options



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LED Information

Total (Watts)	21W
Lumens Delivered	
Cool White	1521lm
Warm White	1386lm
Lm/W Cool White	72lm
Lm/W Warm White	66lm
Beam Angle	70°
CRI	Ra 90
CCT	4000K 3000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C

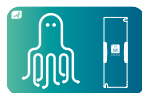
Code	Lamp	Description
AULED125D	LED	21W - Cool White
AULED125D/WW	LED	21W - Warm White

Options		
/M3		Emergency
/OCTO		OCTO Smart Control
/DD		Digital Dimming (DD1/DD2/DD3/DD4)



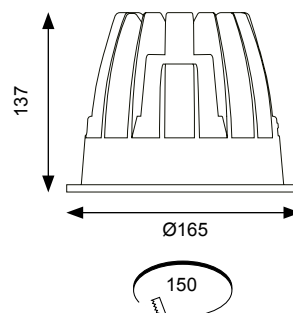
Unity 150 LED Downlight

Supplied c/w Remote Driver



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- Compact high performance professional downlight
- IP44 rating as standard
- Die-cast aluminium construction, powder coated and 30° cut-off angle
- Performance comparable to 2x42W PLC / 70W HQI
- Mirror finished anodized reflector
- Anti-glare design to create visual comfort
- Remote driver with plug and play connection
- LED lifespan L70 50,000 hours
- Dimmable and emergency options



Code	Lamp	Description
AULED150D	LED	37W - Cool White
AULED150D/WW	LED	37W - Warm White

Options		
/M3		Emergency
/OCTO		OCTO Smart Control
/DD		Digital Dimming (DD1/DD2/DD3/DD4)

LED Information

Total (Watts)	37W
Lumens Delivered	
Cool White	3254lm
Warm White	2870lm
Lm/W Cool White	88lm
Lm/W Warm White	78lm
Beam Angle	70°
CRI	Ra 90
CCT	4000K
	3000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C

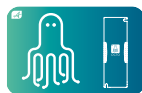




Project - Ocean BMW Garage
Falmouth, UK

Unity 150 DHP LED Downlight

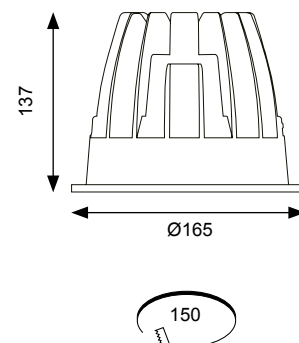
Supplied c/w Remote Driver



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- Compact high performance professional downlight
- IP44 rating as standard
- Die-cast aluminium construction, powder coated and 30° cut-off angle
- Exceeds performance of 100W HQI
- Mirror finished anodized reflector
- Anti-glare design to create visual comfort
- Remote driver with plug and play connection
- LED lifespan L70 50,000 hours
- Dimmable and emergency options



Code	Lamp	Description
AULED150DHP	LED	41W - Cool White

Options		
/M3		Emergency
/OCTO		OCTO Smart Control
/DD		Digital Dimming (DD1/DD2/DD3/DD4)

LED Information

Total (Watts)	41W
Lumens Delivered	3900lm
Lm/W	95lm
Beam Angle	70°
CRI	Ra 90
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C



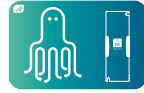


Project - Sixpad
London, UK

Unity 100 Square LED Downlight

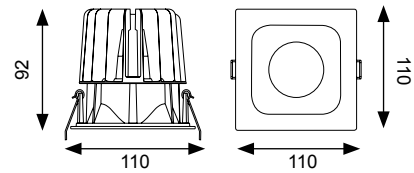
Supplied c/w Remote Driver

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- Compact high performance professional downlight
- Circular hole cut-out for ease of installation and alignment
- IP44 rating as standard
- Die-cast aluminium construction, powder coated and 30° cut-off angle
- Exceeds performance of 2x18W PLC
- Mirror finished anodized reflector
- Anti-glare design to create visual comfort
- Remote driver with plug and play connection
- LED lifespan L70 50,000 hours
- Dimmable and emergency options



Circular Cut-out



Circular cut-out for ease of installation

LED Information

Total (Watts)	14W
Lumens Delivered	1152lm
Lm/W	82lm
Beam Angle	57°
CRI	Ra 90
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C

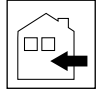
Code	Lamp	Description
AUSQLED100D/CW	LED	14W - Cool White

Options		
/M3		Emergency
/OCTO		OCTO Smart Control
/DD		Digital Dimming (DD1/DD2/DD3/DD4)

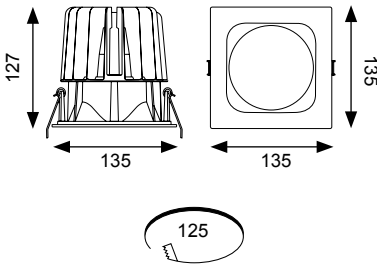


Unity 125 Square LED Downlight

Supplied c/w Remote Driver



- Compact high performance professional downlight
- Circular hole cut-out for ease of installation and alignment
- IP44 rating as standard
- Die-cast aluminium construction, powder coated and 30° cut-off angle
- Performance comparable to 70W HQI
- Mirror finished anodized reflector
- Anti-glare design to create visual comfort
- Remote driver with plug and play connection
- LED lifespan L70 50,000 hours
- Dimmable and emergency options



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Circular Cut-out



Circular cut-out for ease of installation

LED Information

Total (Watts)	29W
Lumens Delivered	2639lm
Lm/W	91lm
Beam Angle	70°
CRI	Ra 90
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C



Code	Lamp	Description
AUSQLED125D/CW	LED	29W - Cool White

Options		
/M3		Emergency
/OCTO		OCTO Smart Control
/DD		Digital Dimming (DD1/DD2/DD3/DD4)

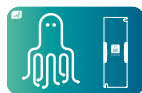
Warrington: +44 (0) 1942 433333
Belfast: +44 (0) 2890 773750



Unity 150 Square LED Downlight

Supplied c/w Remote Driver

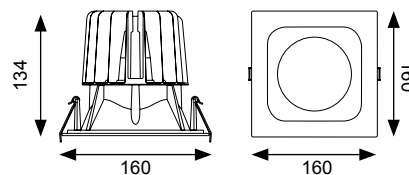
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- Compact high performance professional downlight
- Circular hole cut-out for ease of installation and alignment
- IP44 rating as standard
- Die-cast aluminium construction, powder coated and 30° cut-off angle
- Performance comparable to 70W HQI
- Mirror finished anodized reflector
- Anti-glare design to create visual comfort
- Remote driver with plug and play connection
- LED lifespan L70 50,000 hours
- Dimmable and emergency options



LED Information

Total (Watts)	41W
Lumens Delivered	3775lm
Lm/W	92lm
Beam Angle	70°
CRI	Ra 90
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C

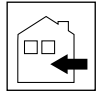
Code	Lamp	Description
AUSQLED150DHP/CW	LED	41W - Cool White

Options		
/M3		Emergency
/OCTO		OCTO Smart Control
/DD		Digital Dimming (DD1/DD2/DD3/DD4)



Unity 100 LED Wallwash

Supplied c/w Remote Driver

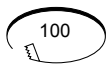
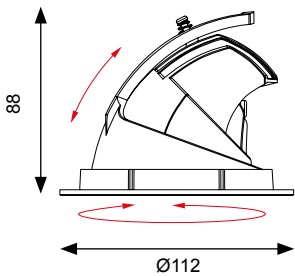


- Recessed adjustable wallwash with 355° rotation
- Adjustable tilt angle from -15° to 45°
- 30° cut-off angle in the horizontal position
- Exceeds performance of 100W halogen
- Die-cast aluminium body and heatsink for good thermal management
- Remote driver with plug and play connection
- LED lifespan L70 50,000 hours



reddot award
winner lighting design

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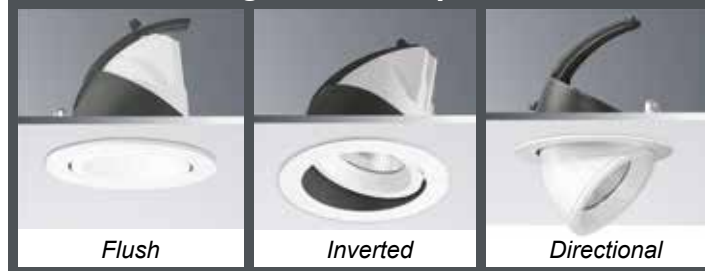


LED Information

Total (Watts)	15W
Lumens Delivered	
Cool White	1041lm
Warm White	896lm
Lm/W Cool White	74lm
Lm/W Warm White	60lm
Beam Angle	50°
CRI	Ra 90
CCT	4000K 3000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C



Angle Variant Options



Code	Lamp	Description
AULED100WW	LED	15W - Cool White
AULED100WWWW	LED	15W - Warm White

Options	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)

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

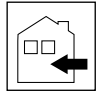
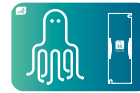




Project - Paper Assist
Dublin, Ireland

Unity 150 LED Wallwash

Supplied c/w Remote Driver

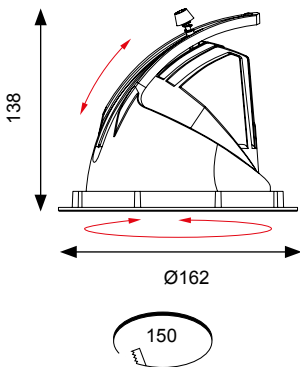


- Recessed adjustable wallwash with 355° rotation
- Adjustable tilt angle from -15° to 45°
- 30° cut-off angle in the horizontal position
- Comparable performance to 70W HQI
- Die-cast aluminium body and heatsink for good thermal management
- Remote driver with plug and play connection
- LED lifespan L70 50,000 hours

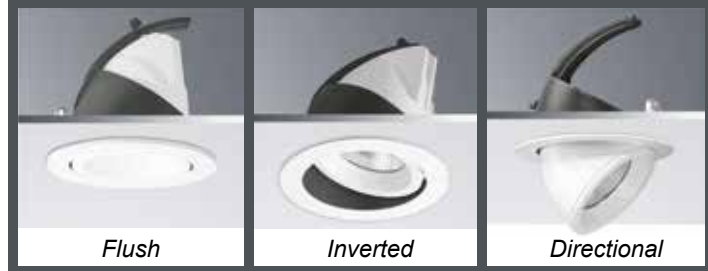


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Angle Variant Options



LED Information

Total (Watts)	28W
Lumens Delivered	
Cool White	2699lm
Warm White	2497lm
Lm/W Cool White	93lm
Lm/W Warm White	86lm
Beam Angle	40°
CRI	Ra 90
CCT	4000K 3000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C



Code	Lamp	Description
AULED150WW	LED	28W - Cool White
AULED150WW/WW	LED	28W - Warm White

Options	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)

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

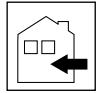
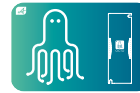




Project - Bench Retail Store
Ashford, UK

Unity 175 LED Wallwash

Supplied c/w Remote Driver

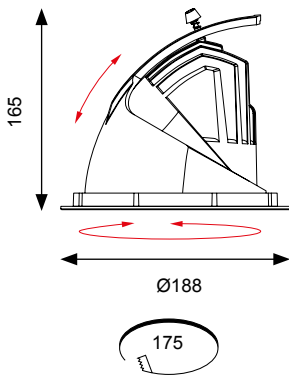


- Recessed adjustable wallwash with 355° rotation
- Adjustable tilt angle from -15° to 45°
- 30° cut-off angle in the horizontal position
- Comparable performance to 100W HQI
- Die-cast aluminium body and heatsink for good thermal management
- Remote driver with plug and play connection
- LED lifespan L70 50,000 hours

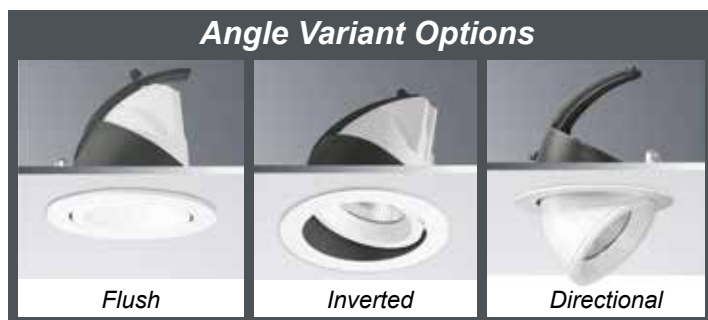


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Angle Variant Options



LED Information

Total (Watts)	35W
Lumens Delivered	
Cool White	3239lm
Warm White	2887lm
Lm/W Cool White	88lm
Lm/W Warm White	78lm
Beam Angle	40°
CRI	Ra 90
CCT	4000K 3000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C



Code	Lamp	Description
AULED175WW	LED	35W - Cool White
AULED175WW/WW	LED	35W - Warm White

Options	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)

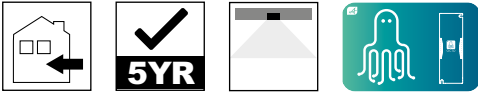
Warrington: +44 (0) 1942 433333
Belfast: +44 (0) 2890 773750



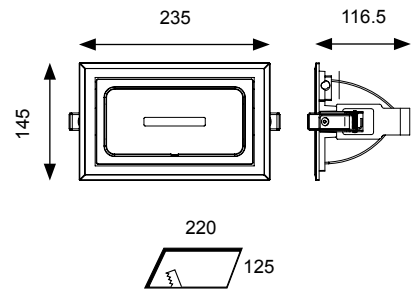
Unity Rectangular LED Wallwash

Supplied c/w Remote Driver

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- Adjustable rectangular recessed downlight with 65° tilt angle
- Die-cast aluminium body and heatsink for efficient thermal management
- Exceeds performance of 70W HQI
- Energy saving retrofit replacement for existing HQI fittings
- Remote driver with plug and play connection
- LED lifespan L70 50,000 hours

Code	Lamp	Description
AULEDRECWW	LED	35W - Cool White

Options		
/OCTO		OCTO Smart Control
/DD		Digital Dimming (DD1/DD2/DD3/DD4)

LED Information

Total (Watts)	35W
Lumens Delivered	3065lm
Lm/W	85lm
Beam Angle	110°
CRI	Ra 80
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C

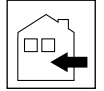


Unity S and R Retractable LED Downlights

Supplied c/w Remote Driver

- Recessed adjustable downlight
- Retractable head design allows for a range of installation applications
- Full 360° head rotation and 90° tilting capability
- Exceeds performance of 50W AR111 lamp
- Black trim provides excellent glare control
- Steel housing with die-cast aluminium body for excellent thermal management
- Remote driver with plug and play connection
- LED lifespan L70 50,000 hours

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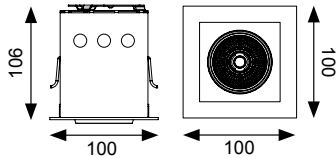
AULED1/SMP



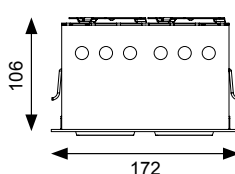
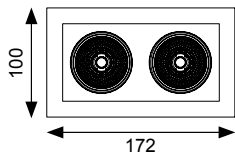
Fully retractable head with 360° rotation and 90° tilting capability



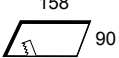
AULED2/RMP



AULED1/SMP
90



AULED2/RMP
158



LED Information

Total (Watts)	
Square	15W
Rectangular	2 x 15W
Lumens Delivered	
Square	736lm
Rectangular	2 x 736lm
Lm/W	49lm
Beam Angle	45°
CRI	Ra 90
CCT	4000K
Input	230V
Hertz	50Hz/60Hz
Operating Temp	-20°C to 25°C

Code	Lamp	Description
AULED1/SMP	LED	15W - Cool White
AULED2/RMP	LED	2 x 15W - Cool White

Options	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)



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Belfast: +44 (0) 2890 773750



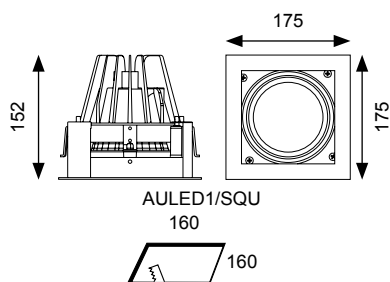


Project - Toni & Guy
Canterbury, UK

Unity S and R LED Downlights

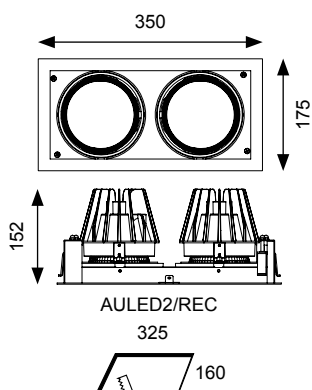
Supplied c/w Remote Driver

- Recessed adjustable downlight
- Fully adjustable tilt angle 30° on two axis
- Comparable performance to 50W HQI
- Black trim provides excellent glare control
- Steel housing with die-cast aluminium body for good thermal management
- Remote driver with plug and play connection
- LED lifespan L80 50,000 hours



AULED1/SQU

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AULED2/REC

LED Information

Total (Watts)	
Square	37W
Rectangular	2 x 37W
Lumens Delivered	
Square	3239lm
Rectangular	2 x 3239lm
Lm/W	88lm
Beam Angle	40°
CRI	Ra 90
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C



Code	Lamp	Description
AULED1/SQU	LED	37W - Cool White
AULED2/REC	LED	2 x 37W - Cool White

Options	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)

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

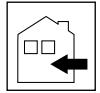
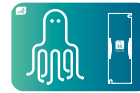




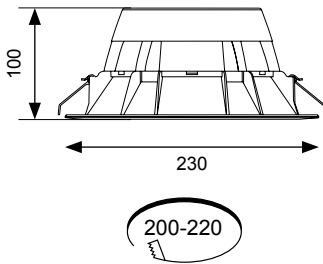
Project - Paper Assist
Dublin, Ireland

Comfort LED Downlight

Supplied c/w Remote Driver



- Economic high performance IP44 downlight
- Deep cut-off angle for glare control and comfort
- Osram LED technology and enhanced diffuser design for outstanding uniformity
- Downlight design allows installation into existing hole cut-outs from 200mm to 220mm
- Polycarbonate housing with unique thermal management for durability and optimum lifespan
- LED lifespan L70 50,000 hours
- Dimmable and Emergency options



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LED Information

Total (Watts)	13W	19W
Lumens Delivered		
Cool White	1687lm	2350lm
Warm White	1502lm	2166lm
Lm/W Cool White	123lm	124lm
Lm/W Warm White	114lm	113lm
Beam Angle	55°	
CRI	Ra 80	
CCT	4000K 3000K	
Input	230V	
Hertz	50/60Hz	
Operating Temp	-20°C to 25°C	

Code	Lamp	Description
ACOLED1/CW	LED	13W - Cool White
ACOLED2/CW	LED	19W - Cool White
ACOLED1/WW	LED	13W - Warm White
ACOLED2/WW	LED	19W - Warm White

Options	Code	Description
	/M3	Emergency
	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)



Comfort LED HP Downlight

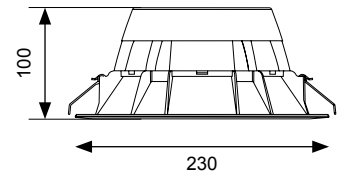
Supplied c/w Remote Driver

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- Economic high performance IP44 downlight
- Deep cut-off angle for glare control and comfort
- Osram LED technology and enhanced diffuser design for outstanding uniformity
- Downlight design allows installation into existing hole cut-outs from 200mm to 220mm
- Polycarbonate housing with unique thermal management for durability and optimum lifespan
- LED lifespan L70 50,000 hours
- Dimmable and Emergency options



Code	Lamp	Description
ACOLED3/CW	LED	34W - Cool White
ACOLED3/WW	LED	34W - Warm White

Options		
/M3		Emergency
/OCTO		OCTO Smart Control
/DD		Digital Dimming (DD1/DD2/DD3/DD4)

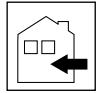
LED Information

Total (Watts)	34W
Lumens Delivered	
Cool White	3830lm
Warm White	3621lm
Lm/W Cool White	112lm
Lm/W Warm White	106lm
Beam Angle	55°
CRI	Ra 80
CCT	4000K
	3000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C

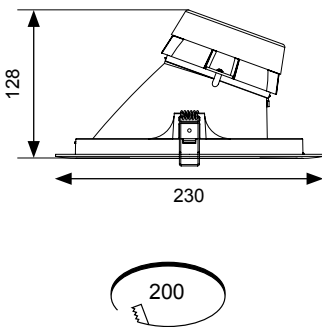


Comfort LED Wash

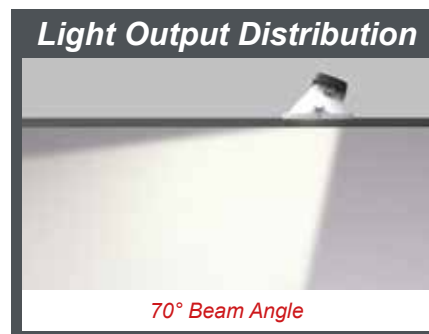
Supplied c/w Remote Driver



- Economic high performance IP20 wallwash
- Deep cut-off angle for glare control and comfort
- Osram LED technology and enhanced diffuser design for outstanding uniformity
- Design allows installation into existing hole-cut outs of 200mm
- Polycarbonate housing with unique thermal management for durability and optimum lifespan
- LED lifespan L70 50,000 hours



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LED Information

Total (Watts)	17W
Lumens Delivered	
Cool White	1187lm
Warm White	1113lm
Lm/W Cool White	70lm
Lm/W Warm White	66lm
Beam Angle	70°
CRI	Ra 80
CCT	4000K 3000K
Input	230V
Hertz	50Hz
Operating Temp	-20°C to 25°C

Code	Lamp	Description
ACOLEDDWW/CW	LED	17W - Cool White
ACOLEDDWW/WW	LED	17W - Warm White

Options	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)

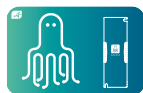


Warrington: +44 (0) 1942 433333
Belfast: +44 (0) 2890 773750



Galaxy CCT LED Downlight

Supplied c/w Remote Driver

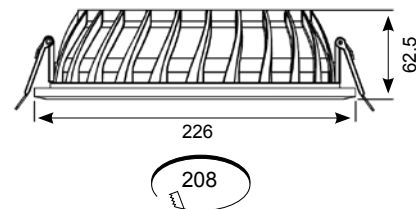


AGALED/1/CCT



AGALED/1/CCT
with drop glass attachment installed

- Compact IP65 LED Downlight which outperforms twin 18W and 26W PLC lamp variants
- One product provides both 3000K and 4000K colour temperature options
- Cut-out dimensions suitable to replace most PLC downlights
- Fitting and driver pre-wired with ST18 connectors
- Faceted reflector and optical fresnel lens provides outstanding performance, uniformity and glare control
- Removable twist on, twist off bezel provides option of utilising alternative bezel and drop glass accessories
- Dimmable and Emergency options
- LED lifespan L70 50,000 hours



Remote Emergency Box Dimensions
Length 415mm, Width 145mm,
Depth 70mm

Code	Lamp	Description
AGALED/1/CCT	LED	15W - Cool White / Warm White
AGALED/2/CCT	LED	20W - Cool White / Warm White

Options		
/M3		Emergency
/OCTO		OCTO Smart Control
/DD		Digital Dimming (DD1/DD2/DD3/DD4)

Drop Glass 1	Clear outer ring with frosted centre disc
AGPL/DG1/W	c/w Trim Bezel - White

Drop Glass 3	Frosted glass halo with open centre
AGPL/DG3/W	c/w Trim Bezel - White

LED Information

Total (Watts)	15W	20W
Lumens Delivered		
Cool White	1557lm	2250lm
Warm White	1484lm	2230lm
Lm/W Cool White	103lm	112lm
Lm/W Warm White	98lm	112lm
CRI	Ra 80	
CCT	3000K/4000K	
Input	230V	
Hertz	50/60Hz	
Operating Temp	-20°C to 40°C	





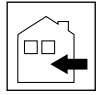
Project - Sixpad
London, UK



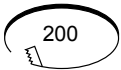
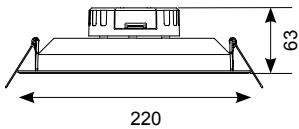
Project - School Campus
Dudley, UK

Vega LED Downlight

Supplied c/w Integral Driver



- Economic LED replacement for higher output PLC downlights
- Low profile design with integral driver for speed of installation
- 17W LED comparable to 2x18W PLC
- 23W LED comparable to 2x26W PLC
- LED lifespan L70 36,000 hours
- Non-dimmable



AVEGLED/1/WW



Low Profile Design



AVEGLED/1/CW

LED Information

Total (Watts)	17W	23W
Lumens Delivered		
Cool White	1435lm	1946lm
Warm White	1389lm	1860lm
Lm/W Cool White	84lm	84lm
Lm/W Warm White	82lm	83lm
Beam Angle	107°	
CRI	Ra 80	
CCT	4000K	
	3000K	
Input	230V	
Hertz	50/60Hz	
Operating Temp	-5°C to 45°C	

Code	Lamp	Description
AVEGLED/1/CW	LED	17W - Cool White
AVEGLED/2/CW	LED	23W - Cool White
AVEGLED/1/WW	LED	17W - Warm White
AVEGLED/2/WW	LED	23W - Warm White

Option	/M3	Emergency
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Freska LED Downlight

Supplied c/w Remote Driver

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AFRLED230/CW



AFRLED170/CW



AFRLED125/CW



Self-Test Emergency Pack

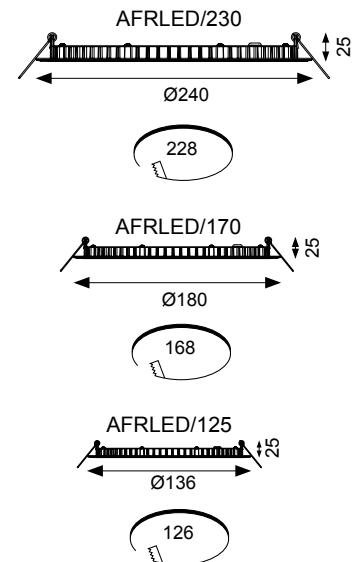
Ultra-Slim 25mm Profile Depth

Code	Lamp	Description
AFRLED125/CW	LED	10W - Cool White
AFRLED170/CW	LED	13W - Cool White
AFRLED230/CW	LED	19W - Cool White
AFRLED125/WW	LED	10W - Warm White
AFRLED170/WW	LED	13W - Warm White
AFRLED230/WW	LED	19W - Warm White

Option	AFRLED/M3/ST	Self-Test Emergency Pack
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Accessory	ASBP/12	7.2V 3000mAh Ni-cd Replacement Battery
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- Economic ultra-slim circular LED downlight
- Ideal for use in areas with shallow ceiling void
- Remote driver with plug and play connection
- Edge lit providing excellent uniform illumination
- 10W comparable performance to 13W PLC
- 13W comparable performance to 18W PLC
- 19W comparable performance to 26W PLC
- LED lifespan L70 30,000 hours
- Non-dimmable
- Optional plug-in self-test emergency pack suitable for all three models



LED Information

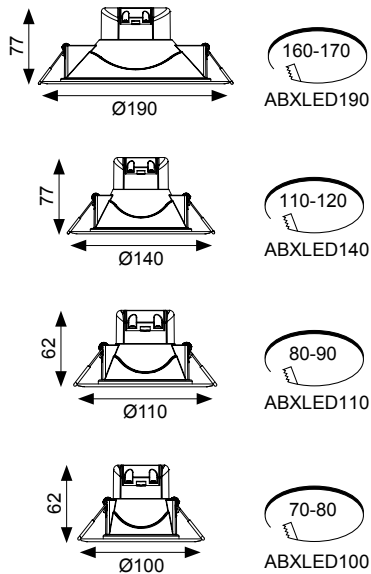
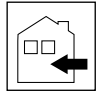
Total (Watts)	10W	13W	19W
Lumens Delivered			
10W	618lm	534lm	
13W	916lm	795lm	
19W	1208lm	1152lm	
Lm/W 10W	62lm	59lm	
Lm/W 13W	70lm	61lm	
Lm/W 19W	64lm	61lm	
CRI	Ra 80		
CCT	4000K		
	3000K		
Input	230V		
Hertz	50/60Hz		
Operating Temp	-10°C to 25°C		



- Economic polycarbonate circular LED downlight
- Low profile design with integral driver with loop-in, loop-out terminals for ease and speed of installation
- Edge lit providing excellent uniform illumination
- 5W exceeds performance of 20W halogen
- 7W comparable performance to 35W halogen
- 12W comparable performance to 18W PLC
- 19W comparable performance to 26W PLC
- LED lifespan L70 25,000 hours
- Non-dimmable

Bexar LED Downlight

Supplied c/w Integral Driver



ABXLED190/CW



ABXLED140/CW



ABXLED110/CW



ABXLED100/WW



LED Information

	Cool White	Warm White
Total (Watts)	5W 7W	12W 20W
Lumens Delivered		
5W	403lm	371lm
7W	587lm	576lm
12W	875lm	857lm
19W	1657lm	1620lm
Lm/W 5W	80lm	74lm
Lm/W 7W	84lm	82lm
Lm/W 12W	73lm	71lm
Lm/W 19W	87lm	85lm
Beam Angle	100°	
CRI	Ra 80	
CCT	4000K 3000K	
Input	220V - 240V	
Hertz	50/60Hz	
Operating Temp	-10°C to 45°C	

Code	Lamp	Description
ABXLED100/CW	LED	5W - Cool White
ABXLED110/CW	LED	7W - Cool White
ABXLED140/CW	LED	12W - Cool White
ABXLED190/CW	LED	20W - Cool White
ABXLED100/WW	LED	5W - Warm White
ABXLED110/WW	LED	7W - Warm White
ABXLED140/WW	LED	12W - Warm White
ABXLED190/WW	LED	20W - Warm White
Accessory ASLED/3NM	LED	1.5W Non-Maintained



Lodi LED Slim Downlight

Supplied c/w Integral Driver



ALODLED/75/CW



ALODLED/95/WW

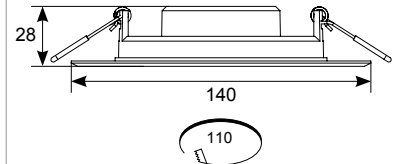
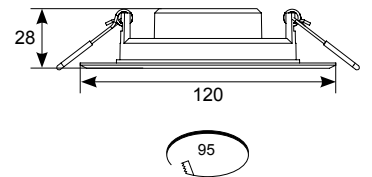
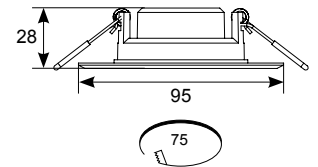


ALODLED/110/CW

Ultra-Slim 28mm Profile Depth

Code	Lamp	Description
ALODLED/75/CW	LED	4W - Cool White
ALODLED/95/CW	LED	8W - Cool White
ALODLED/110/CW	LED	11W - Cool White
ALODLED/75/WW	LED	4W - Warm White
ALODLED/95/WW	LED	8W - Warm White
ALODLED/110/WW	LED	11W - Warm White
Accessory ASLED/3NM	LED	1.5W Non-Maintained

- Economic polycarbonate circular LED downlight
- Low profile design with integral driver
- Ideal for use in areas with shallow ceiling voids
- 4W exceeds performance of 12W halogen
- 8W exceeds performance of 20W halogen
- 11W exceeds performance of 20W halogen
- Supplied pre-wired with 300mm of cable
- LED lifespan L70 25,000 hours



LED Information

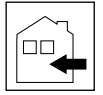
Total (Watts)	4W	8W	11W
Lumens Delivered	Cool White	Warm White	
4W	307lm	286lm	
8W	620lm	589lm	
11W	740lm	683lm	
Lm/W			
4W	77lm	71lm	
8W	79lm	76lm	
11W	68lm	62lm	
Beam Angle	100°		
CRI	Ra 80		
CCT	4000K		
	3000K		
Input	220V - 240V		
Hertz	50Hz		
Operating Temp	-15°C to 25°C		



Lodi LED Slim Downlight

Supplied c/w Integral Driver

- Economic polycarbonate circular LED downlight
- Low profile design with integral driver
- Ideal for use in areas with shallow ceiling voids
- 16W exceeds performance of 1x18W PL-C
- 22W exceeds performance of 1x26W PL-C
- 25W comparable to 1x32W PL-T
- Supplied pre-wired with 300mm of cable
- LED lifespan L70 25,000 hours



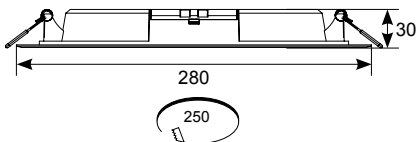
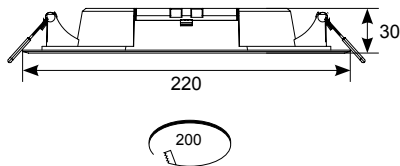
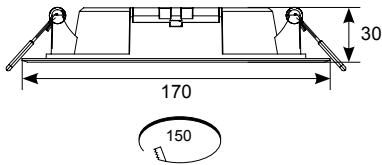
ALODLED/150/CW



ALODLED/200/WW



ALODLED/250/CW



LED Information

Total (Watts)	16W	22W	25W
Lumens Delivered	Cool White	Warm White	
16W	1089lm	1070lm	
22W	1604lm	1527lm	
25W	2035lm	1953lm	
Lm/W			
16W	72lm	66lm	
22W	77lm	73lm	
25W	85lm	80lm	
Beam Angle	100°		
CRI	Ra 80		
CCT	4000K		
	3000K		
Input	220V - 240V		
Hertz	50Hz		
Operating Temp	-15°C to 25°C		

Ultra-Slim 30mm Profile Depth

Code	Lamp	Description
ALODLED/150/CW	LED	16W - Cool White
ALODLED/200/CW	LED	22W - Cool White
ALODLED/250/CW	LED	25W - Cool White
ALODLED/150/WW	LED	16W - Warm White
ALODLED/200/WW	LED	22W - Warm White
ALODLED/250/WW	LED	25W - Warm White
Accessory ASLED/3NM	LED	1.5W Non-Maintained



Argo LED IP65 Downlight

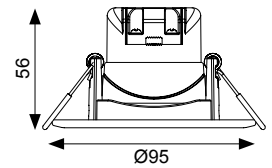
Supplied c/w Integral Driver



AARGD/CW



AARGD/WW



Chrome Trim Bezel Accessory



Satin Chrome Trim Bezel Accessory



Black Trim Bezel Accessory

LED Information

Total (Watts)	5W
Lumens Delivered	
Cool White	438lm
Warm White	427lm
Lm/W Cool White	87lm
Lm/W Warm White	85lm
Beam Angle	60°
CRI	Ra 80
CCT	4000K 3000K
Input	220V - 240V
Hertz	50/60Hz
Operating Temp	- 15°C to 40°C

Code	Lamp	Description
AARGD/CW	LED	5W - Cool White
AARGD/WW	LED	5W - Warm White

Accessories	Code	Description
AARGD/IP65BEZ/CH		Chrome Trim Bezel
AARGD/IP65BEZ/SC		Satin Chrome Trim Bezel
AARGD/IP65BEZ/BL		Black Trim Bezel

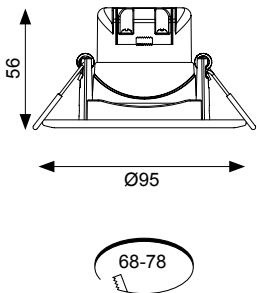


Argo LED Gimbal

Supplied c/w Integral Driver



- Recessed polycarbonate adjustable downlight with 25° tilt angle
- Multiple uses, including general downlighting, retail, cabinets and furniture applications
- Low profile design with integral driver with loop-in, loop-out terminals for ease and speed of installation
- Exceeds performance of 35W halogen
- LED lifespan L70 25,000 hours
- Non-dimmable



AARG/GIM/CW/W

LED Information

Total (Watts)	5W
Lumens Delivered	
Cool White	460lm
Warm White	400lm
Lm/W Cool White	92lm
Lm/W Warm White	80lm
Beam Angle	36°
CRI	Ra 80
CCT	4000K 3000K
Input	220V - 240V
Hertz	50/60Hz
Operating Temp	-15°C to 40°C



Code	Lamp	Description
AARG/GIM/CW/W	LED	5W - Cool White - White
AARG/GIM/WW/W	LED	5W - Warm White - White



Capizzi LED

Supplied Less Driver

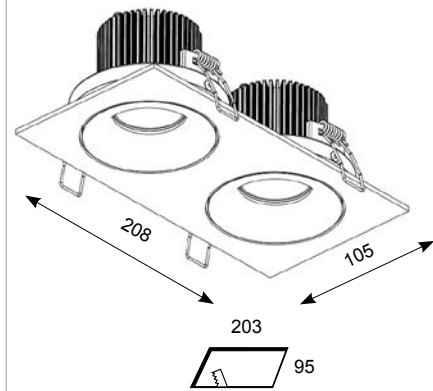
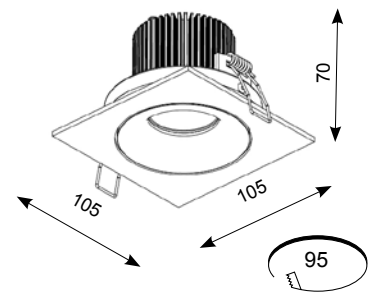


ACDLEDX1



ACDLEDX2

- Single and twin adjustable LED downlight with integral reflector and front glass
- Suitable for domestic and commercial applications
- Die-cast aluminium construction with matt white painted finish
- LED lifespan L70 60,000 hours



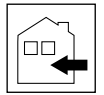
Code	Lamp	Description
ACDLEDX1	LED	1 x 8W - Warm White
ACDLEDX2	LED	2 x 8W - Warm White

Accessories	AD9W/350	9W 350mA LED Driver
	ADK20W/350	20W 350mA LED Driver
	AMCD25W	25W 350mA Dimmable LED Driver
	AMCD50W	50W 350mA Dimmable LED Driver

LED Information

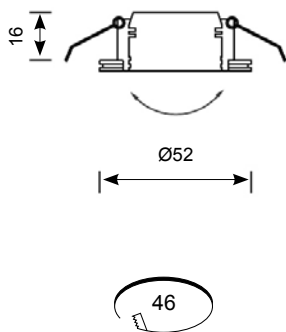
Total (Watts)	1x8W 2x8W
Lumens Delivered	361lm 723lm
Lm/W	45lm
Beam Angle	42°
CRI	Ra 80
CCT	3000K
Input	350mA
Hertz	50/60Hz
Operating Temp	-10°C to 40°C





- Micro recessed adjustable downlight with 40° tilt angle.
- Multiple uses, including general illumination, retail, cabinets and furniture applications
- LED lifespan L70 50,000 hours

Note: Provision should be made for fitting of driver due to minimal cut-out diameter



AIGLED/CW



AIGLED/WW



AIGLED/CW/W



AIGLED/WW/W

LED Information

Total (Watts)	3W
Lumens Delivered	
Cool White	172lm
Warm White	141lm
Lm/W Cool White	31lm
Lm/W Warm White	28lm
Beam Angle	19°
CRI	Ra 80
CCT	4000K
	3000K
Input	700mA
Hertz	50/60Hz
Operating Temp	-20°C to 25°C

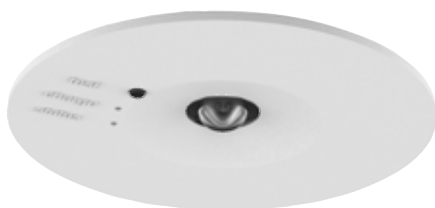
Code	Lamp	Description
AIGLED/CW	LED	3W - Cool White - Brushed Chrome
AIGLED/WW	LED	3W - Warm White - Brushed Chrome
AIGLED/CW/W	LED	3W - Cool White - White
AIGLED/WW/W	LED	3W - Warm White - White

Accessories	Code	Description
	AD3W/700	3W 700mA LED Driver
	ADK12W/700	12W 700mA LED Driver
	ADK20W/700	20W 700mA LED Driver
	AMCD25W	25W 700mA Dimmable LED Driver
	AMCD50W	50W 700mA Dimmable LED Driver



Signal Pro LED Lithium Emergency Downlight

Supplied c/w Remote Driver and Battery Pack

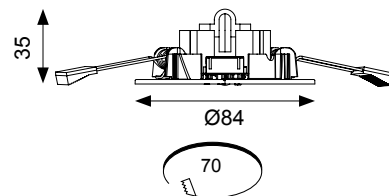


ASPRLED/LI/3M/DA
Open Area Lens



ASPRLED/LI/3M/DA
Escape Route Lens

- Compact LED Non-Maintained fixed downlight
- LiFePO4 Lithium battery provides enhanced product lifetime
- Supplied with open area and escape route interchangeable lenses
- High specification optic design and performance allows increased spacing providing reduced cost
- DALI emergency as standard
- If not connected to DALI network Self-test mode operates automatically



* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

*** Explanation of the symbols:-

Transverse - Wall

Distance to wall from side of fitting

Transverse - Transverse

Side to side spacing

Axial - Wall

Distance to wall from end of fitting

Axial - Axial

End to end spacing

***	Escape route 2 metres wide (1 Lux minimum) *			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
2.5	-	-	6	14
4	-	-	5.5	16
6	-	-	-	-

***	Open (Anti-Panic) area (0.5 Lux Minimum)**			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
2.5	4	8	4	8
4	4.7	9	4.7	9
6	4.9	9.5	4.9	9.5

LED Information

Total (Watts)	2.5W
Lumens Delivered Emergency Mode	
Open Area	209lm
Escape Route	201lm
Beam Angle	
Open Area	144°
Escape Route	143°
CCT	6000K
Input	220-240V
Hertz	50Hz
Operating Temp	5°C to 40°C

Code	Lamp	Description
ASPRLED/LI/3M/DA	LED	2.5W Non-Maintained

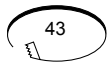
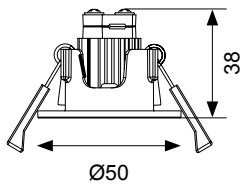
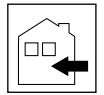
Accessory	ASBP/19	6.4V 1500mAh LiFePO4 Lithium Replacement Battery
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Signal LED Emergency Downlight

Supplied c/w Remote Driver and Battery Pack

- Economic and compact LED Non-Maintained fixed downlight
- White and black powder coat paint finish
- LED combines power and green charge indicator
- 3 hour emergency output



* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

*** Explanation of the symbols:-

Transverse - Wall

Distance to wall from side of fitting

Transverse - Transverse

Side to side spacing

Axial - Wall

Distance to wall from end of fitting

Axial - Axial

End to end spacing

LED Information

Total (Watts)	1.5W
Lumens Delivered Emergency Mode	
ASLED/3NM	100lm
ASLED/3NM/B	107lm
Beam Angle	
ASLED/3NM	128°
ASLED/3NM/B	115°
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0°C to 40°C

	Escape route 2 metres wide (1 Lux minimum) *				
	***	□ ↔ ▨	□ ↔ □	□ ↔ ▨	□ ↔ □
Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
ASLED/3NM	2.5	3	8.5	3	8.5
	4	3	9	3	9
ASLED/3NM/B	2.5	2.7	7	2.7	7
	4	2.6	7.5	2.6	7.5

	Open (Anti-Panic) area (0.5 Lux Minimum)**				
	***	□ ↔ ▨	□ ↔ □	□ ↔ ▨	□ ↔ □
Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
ASLED/3NM	2.5	3.6	7.5	3.6	7.5
	4	3.6	10.5	3.6	10.5
ASLED/3NM/B	2.5	3	6.3	3	6.3
	4	3	9	3	9
	6	3	10.5	3	10.5

Code	Lamp	Description
ASLED/3NM	LED	1.5W Non-Maintained
ASLED/3NM/B	LED	1.5W Non-Maintained

Accessory	ASBP/8	3.6V 2Ah Ni-Cd Replacement Battery
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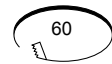
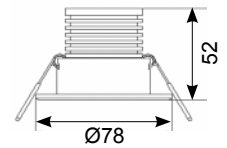
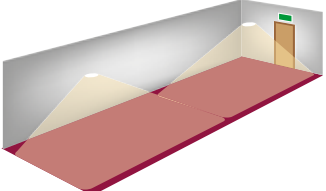


Beacon LED Emergency Adjustable Downlight

Supplied c/w Remote Driver and Battery Pack

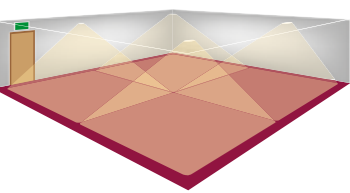


- LED Non-Maintained adjustable die-cast aluminium downlight
- 3 hour emergency output
- Power and green charge LED are discreetly incorporated within the head
- 22° beam angle

Escape route 2 metres wide (1 Lux minimum) *					

Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
2.5	2	5.25	2	5.25	
4	2.5	6.5	2.5	6.5	
6	-	-	-	-	



Open (Anti-Panic) area (0.5 Lux Minimum) **					

Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
2.5	2.25	5.7	2.25	5.7	
4	2.5	7.1	2.5	7.1	
6	3	8.25	3	8.25	

* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

*** Explanation of the symbols:-
Transverse - Wall
 Distance to wall from side of fitting
Transverse - Transverse
 Side to side spacing
Axial - Wall
 Distance to wall from end of fitting
Axial - Axial
 End to end spacing

LED Information

Total (Watts)	5W
Lumens Delivered	
Emergency Mode	248lm
Beam Angle	22°
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0°C to 40°C

Code	Lamp	Description
ABLED/3NM	LED	5W Non-Maintained

Accessory	ASBP/9	3.6V 4.5Ah Ni-Cd Replacement Battery
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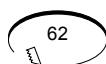
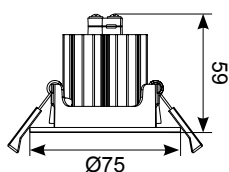


Beacon LED Fixed Emergency Downlight

Supplied c/w Remote Driver and Battery Pack



- LED Non-Maintained fixed polycarbonate downlight
- 3 hour emergency output
- Power and green charge LED are discreetly incorporated within the head
- 123° beam angle



* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

*** Explanation of the symbols:-

Transverse - Wall

Distance to wall from side of fitting

Transverse - Transverse

Side to side spacing

Axial - Wall

Distance to wall from end of fitting

Axial - Axial

End to end spacing

LED Information

Total (Watts)	5W
Lumens Delivered	
Emergency Mode	316lm
Beam Angle	123°
CCT	6500K
Input	230V
Hertz	50Hz
Operating Temp	0°C to 40°C

***	Escape route 2 metres wide (1 Lux minimum) *			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
2.5	-	-	3	9.5
4	-	-	3.3	11.5
6	-	-	-	-

***	Open (Anti-Panic) area (0.5 Lux Minimum) **			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
2.5	3.5	8.9	3.5	8.9
4	4	11.4	4	11.4
6	4.5	12.9	4.5	12.9

Code	Lamp	Description
ABFLED/3NM	LED	5W Non-Maintained

Accessory	ASBP/9	3.6V 4.5Ah Ni-Cd Replacement Battery
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Raven LED Lithium Emergency Downlight

Supplied c/w Integral Driver and Battery Pack

100



Emergency downlight with integral inverter and battery pack

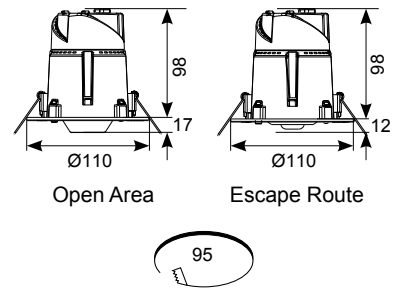


Escape Route



Open Area

- Recessed Self-test emergency downlight with self-contained inverter and battery pack
- LiFePO4 Lithium battery provides enhanced product lifetime
- Integral components for fast-fit installation
- Option of escape route or open area models
- High performance optic design
- Pre-wired with 150mm rubber insulated cable for ease of installation
- Up to 15 metres spacing between luminaires



Open Area

Escape Route

* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

*** Explanation of the symbols:-

Transverse - Wall

Distance to wall from side of fitting

Transverse - Transverse

Side to side spacing

Axial - Wall

Distance to wall from end of fitting

Axial - Axial

End to end spacing

***	Escape route 2 metres wide (1 Lux minimum) *			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
Mounting Height (M)				
2.5	-	-	4	10
4	-	-	3	11
6	**	**	**	**

***	Open (Anti-Panic) area (0.5 Lux Minimum) **			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
Mounting Height (M)				
2.5	2.5	4.88	2.5	4.88
4	2.8	6.69	2.8	6.69
6	2	8.5	2	8.5

	Code	Lamp	Description
Self-Test	ARALED/ER/3NM/ST	LED	3W Non-Maintained - Escape Route
	ARALED/OA/3NM/ST	LED	3W Non-Maintained - Open Area
Accessory	ASBP/14	3.2V 2600mA Li-FePO4 Lithium Replacement Battery	

LED Information

Total (Watts)	3W
Lumens Delivered	
Emergency Mode	
Open Area	114lm
Escape Route	90lm
Beam Angle	
Open Area	43.3°
Escape Route	132°
CCT	6500K
Input	220/240V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

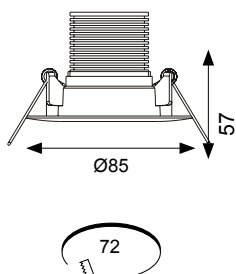
Merlin LED Emergency Downlight

Supplied c/w Remote Driver and Battery Pack

- Ultra-low profile recessed self-test emergency downlight
- Self-test as standard
- Option of escape route or open area models
- High specification optic design and performance allows increased spacing providing reduced cost
- Up to 17.8 metres spacing between luminaires



101



AMELED/OA/3NM/ST

AMELED/ER/3NM/ST/B

* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

*** Explanation of the symbols:-

Transverse - Wall

Distance to wall from side of fitting

Transverse - Transverse

Side to side spacing

Axial - Wall

Distance to wall from end of fitting

Axial - Axial

End to end spacing

***	Escape route 2 metres wide (1 Lux minimum) *			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
AMELED/ER/3NM/ST	2.5	-	5.5	14
AMELED/ER/3NM/ST/B	4	-	7.5	19.6
	2.5	-	5	14
	4	-	7	19.5

***	Open (Anti-Panic) area (0.5 Lux Minimum)**			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
AMELED/OA/3NM/ST	2.5	3	6.5	3
	4	4	9.5	4
	6	5	11.5	5
AMELED/OA/3NM/ST/B	2.5	3	6	3
	4	4	9	4
	6	4.5	10	4.5

LED Information

Total (Watts)	5W
Lumens Delivered	
Emergency Mode	/B
Open Area	245lm 191lm
Escape Route	206lm 229lm
Beam Angle	
Open Area	110° 108°
Escape Route	140° 140°
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0°C to 45°C

	Code	Lamp	Description
Self-Test	AMELED/ER/3NM/ST	LED	5W Non-Maintained - Escape Route
	AMELED/OA/3NM/ST	LED	5W Non-Maintained - Open Area
	AMELED/ER/3NM/ST/B	LED	5W Non-Maintained - Escape Route
	AMELED/OA/3NM/ST/B	LED	5W Non-Maintained - Open Area

Accessory	ASBP/9	3.6V 4.5Ah Ni-Cd Replacement Battery
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IP65 Falcon LED Surface Emergency Downlight

Supplied c/w Integral Driver and Battery Pack



AFALD/3NM/ST/IP65



AFALD/3NM/ST/IP65/B

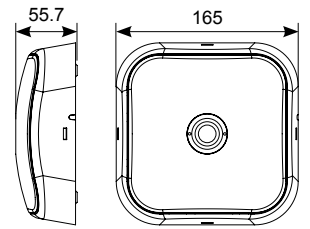


Open Area Lens



Escape Route Lens

- Compact surface ultra-low profile self-test emergency downlight
- Self-test as standard
- Supplied with open area and escape route interchangeable lenses
- High specification optic design and performance allows increased spacing providing reduced cost
- Up to 19.6 metres spacing between luminaires
- BESA mounting option



* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

*** Explanation of the symbols:-
Transverse - Wall
 Distance to wall from side of fitting
Transverse - Transverse
 Side to side spacing
Axial - Wall
 Distance to wall from end of fitting
Axial - Axial
 End to end spacing

***	Escape route 2 metres wide (1 Lux minimum) *				
	Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
AFALD/ER/3NM/ST	2.5	-	-	4.2	10
	4	-	-	4.25	12
AFALD/ER/3NM/ST/B	2.5	-	-	4	9.5
	4	-	-	3.6	11

***	Open (Anti-Panic) area (0.5 Lux Minimum)**				
	Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
AFALD/OA/3NM/ST	2.5	2.5	5	2.5	5
	4	3.5	7.1	3.5	7.1
	6	4	9.8	4	9.8
AFALD/OA/3NM/ST/B	2.5	2.5	4.8	2.5	4.8
	4	3.5	6.8	3.5	6.8
	6	4	9.8	4	9.8

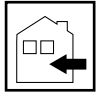
LED Information

Total (Watts)	3W	
Lumens Delivered		
Emergency Mode	/B	
Open Area	152lm	142lm
Escape Route	138lm	116lm
Beam Angle		
Open Area	96°	96°
Escape Route	140°	135°
CCT	6500K	
Input	230V	
Hertz	50/60Hz	
Operating Temp	0°C to 40°C	

	Code	Lamp	Description
Self-Test	AFALD/3NM/ST/IP65	LED	3W Non-Maintained
	AFALD/3NM/ST/IP65/B	LED	3W Non-Maintained - Black
Accessory	ASBP/10		3.6V 3Ah Ni-Cd Replacement Battery



LED Emergency Lighting Pack



- Emergency lighting pack for use with LED and Mains GU10 CFL Lamps as follows:-

GU10 LED Lamps

Minimum: 3W

Maximum: 8W

- 55mm cut-out aperture
- Will provide 3 hour duration



ACFLP/3

Code	Description
ACFLP/3	Maintained / Non-Maintained - LED

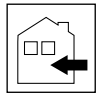




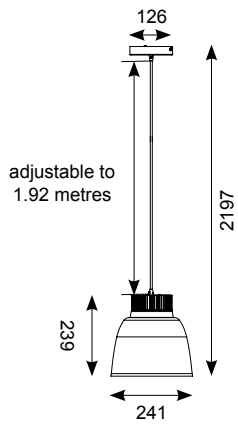
Project - Lakes College
Workington, UK

Decco LED

Supplied c/w Integral Driver



- Compact Decco pendant with die-cast housing and aluminium reflector
- Suitable for domestic, hotel, restaurant and commercial applications
- Matt white textured powder coat paint finish
- 21W exceeds performance of 35W HQI
- 40W exceeds performance of 70W HQI
- LED lifespan L70 54,000 hours
- Non-dimmable



LED Information

Total (Watts)	21W 40W
Lumens Delivered	
21W	1784lm
40W	3595lm
Lm/W 21W	85lm
Lm/W 40W	90lm
CRI	Ra 80
CCT	3000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 35°C



Code	Lamp	Description
ADEPLED	LED	21W - Warm White
ADEPLED/HP	LED	40W - Warm White



Deco High Bay LED

Supplied c/w Integral Driver

172



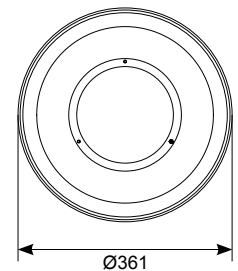
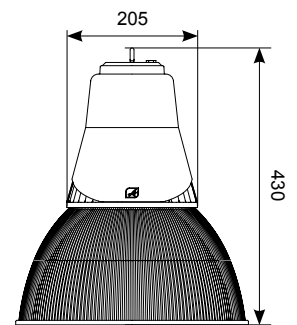
ADHBLED1/PC

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ADHBLED2/ALU

- Decorative modern LED pendant c/w either polycarbonate refractor or aluminium reflector
- Suitable for industrial, commercial and retail applications
- 41W exceeds performance of 70W HQI
- 96W exceeds performance of 150W HQI
- Matt grey textured powder coated finish
- LED lifespan L70 54,000 hours



LED Information

Total (Watts)	41W	96W
Lumens Delivered		
/ALU	4760lm	10437lm
/PC	4678lm	10375lm
Lm/W		
/ALU	114lm	109lm
/PC	116lm	108lm
Beam Angle		
/PC		68°
/ALU		63°
CRI		Ra 80
CCT		4000K
Input		230V
Hertz		50/60Hz
Operating Temp		-20°C to 25°C

Code	Lamp	Description
ADHBLED1/PC	LED	41W - c/w PC Refractor
ADHBLED2/PC	LED	96W - c/w PC Refractor
ADHBLED1/ALU	LED	41W - c/w Aluminium Reflector
ADHBLED2/ALU	LED	96W - c/w Aluminium Reflector
Options	/DD	Digital dimming (DD1/DD2/DD3/DD4)
Accessories	ADHBLED/PC/BC	PC Bottom Cover (360mm)
	ADHBLED/SK	Suspension Kit



Hook Mounting installation

Aluminium Die-cast housing providing a ultra modern aesthetic design

Steel sheet metal gear tray.

Intricate design allows heat dispersion upwards through dedicated ventilation holes

Lumileds LED array

Aluminium securing ring

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Aluminium die-cast heat sink for optimal thermal performance

Textured freznel lens to optimise light output and light uniformity

Polycarbonate Refractor to achieve overall light distribution

Aluminium Reflector for maximum output efficiency



Bottom cover available for reduced glare and additional light diffusion for food applications



Project - Vue Cinema
Preston, UK

Matrix LED CCT Linklight

Supplied c/w Integral Driver

206



- CCT Selectable LED linklight with integral driver
- Side mounted switch allows installer the choice of 3000K or 4000K colour temperature options
- Moulded spine fitted with integral switch and fixed diffuser
- c/w angled and straight fixing clips
- Linkable up to a maximum of twelve fittings
- LED lifespan L70 25,000 hours
- Non-dimmable

LED Information

	Cool White	Warm White
Total (Watts)	3W	
	7W	
	13W	
	18W	
Lumens Delivered	290lm	272lm
	712lm	696lm
	1320lm	1268lm
	1844lm	1724lm
Lm/W	97lm	91lm
	102lm	99lm
	102lm	98lm
	102lm	96lm
CRI	Ra 80	
CCT	4000K	
	3000K	
Input	230V	
Hertz	50/60Hz	
Operating Temp	-10°C to 40°C	

Code	Lamp	Description	Length	Width	Depth
AMALED20/CCT	LED	3W - 4000K/3000K	220	22.8	38.4
AMALED50/CCT	LED	7W - 4000K/3000K	525	22.8	38.4
AMALED80/CCT	LED	13W - 4000K/3000K	858	22.8	38.4
AMALED120/CCT	LED	18W - 4000K/3000K	1158	22.8	38.4

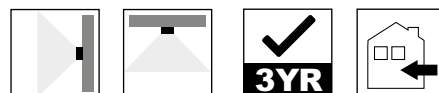
Accessories	A250TLL/T5	250mm Link Lead
	A500TLL/T5	500mm Link Lead
	A1000TLL/T5	1000mm Link Lead



Aspen LED Linklight

Supplied c/w Integral Driver

- High performance LED Linklight with integral driver
- Suitable for commercial and domestic applications
- Output exceeds T5 fluorescent equivalent
- Metal spine fitted with integral switch and fixed diffuser
- Linkable up to a maximum of twelve fittings
- LED lifespan L70 25,000 hours
- Non-dimmable



207



LED Information

Cool White Warm White

Total (Watts)	Cool White	6W
		10W
		16W
		22W
Lumens Delivered	Cool White	531lm
		928lm
		1660lm
		2205lm
Lm/W	Cool White	89lm
		103lm
		111lm
		100lm
CRI	Ra 80	
CCT	4000K	
	3000K	
Input	230V	
Hertz	50/60Hz	
Operating Temp	-5°C to 40°C	

	Code	Lamp	Description	Length	Width	Depth
Cool White	ALEDKL/30	LED	6W - Cool White	321	29	39
	ALEDKL/60	LED	10W - Cool White	550	29	39
	ALEDKL/90	LED	16W - Cool White	883	29	39
	ALEDKL/120	LED	22W - Cool White	1183	29	39
Warm White	ALEDKL/30/WW	LED	6W - Warm White	321	29	39
	ALEDKL/60/WW	LED	10W - Warm White	550	29	39
	ALEDKL/90/WW	LED	16W - Warm White	883	29	39
	ALEDKL/120/WW	LED	22W - Warm White	1183	29	39
Accessories	A250TLL/T5	250mm Link Lead				
	A500TLL/T5	500mm Link Lead				
	A1000TLL/T5	1000mm Link Lead				



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

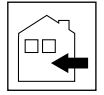




Project - Private Residential
Holmes Chapel, UK

Reveal AC LED Cabinet Light

No Driver Required



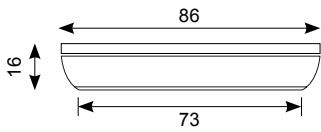
- AC 230V low profile mains surface mounted cabinet light
- No driver required
- Pre-wired with 1.5 metres of mains cable for fast installation
- Direct replacement for traditional halogen
- LED lifespan L70 54,000 hours
- Non-dimmable



ARCLEL/CW/W



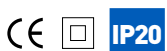
ARCLEL/CW/SS



LED Information

Total (Watts)	2W
Lumens Delivered	
Cool White	146lm
Warm White	132lm
Lm/W Cool White	73lm
Lm/W Warm White	66lm
CRI	Ra 80
CCT	4000K
	3000K
Input	230V
Hertz	50/60Hz
Operating Temp	-10°C to 40°C

Code	Lamp	Description
ARCLEL/CW/W	LED	2W - Cool White - White
ARCLEL/CW/SS	LED	2W - Cool White - Silver
ARCLEL/WW/W	LED	2W - Warm White - White
ARCLEL/WW/SS	LED	2W - Warm White - Silver



Reveal AC LED Tri-Light

No Driver Required

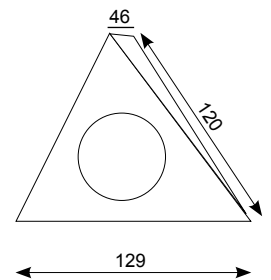


ARLEDTL/CW



ARLEDTL/WW

- AC 230V mains surface under cabinet downlight
- No driver required
- Pre-wired with 1.5 metres of mains cable for fast installation
- Direct replacement for traditional halogen
- LED lifespan L70 54,000 hours
- Non-dimmable



LED Information

Total (Watts)	2W
Lumens Delivered	
Cool White	123lm
Warm White	111lm
Lm/W Cool White	61lm
Lm/W Warm White	56lm
CRI	Ra 80
CCT	4000K
	3000K
Input	230V
Hertz	50/60Hz
Operating Temp	-10°C to 40°C

Code	Lamp	Description
ARLEDTL/CW	LED	2W - Cool White - Satin Chrome
ARLEDTL/WW	LED	2W - Warm White - Satin Chrome

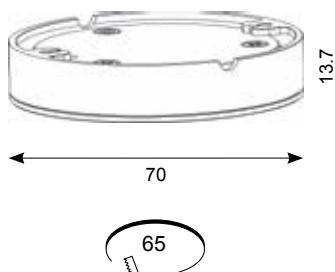


Trio LED Cabinet Light Kit

Supplied c/w Remote Driver and Plug and Play Junction Box



- 3-light cabinet/undershelf kit for halogen replacement
- Surface or recessed mounting
- Die-cast aluminium construction
- Pre-wired with 1.5 metres mains cable c/w driver and 6 way plug-in junction box
- 2 metre plug and play connections
- LED lifespan L70 40,000 hours
- Non-dimmable



6 Way Plug and Play Connection

- Individual cabinet lights for expanding kits
- Up to 3 additional cabinet lights can be added to each kit
- A 12V driver will be required if not used with Trio kit

LED Information

Total (Watts)	3 x 3W
Lumens Delivered	3 x 80lm
Lm/W	27lm
CRI	Ra 80
CCT	3000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 40°C



ATCKLED/W
(Kit)



ATCKLED/SI
(Kit)



ATCSLED/W
(Individual)



ATCSLED/SI
(Individual)

	Code	Lamp	Description
Kit	ATCKLED/W	LED	3 x 3W Warm White Kit - White
	ATCKLED/SI	LED	3 x 3W Warm White Kit - Silver
Individual	ATCSLED/W	LED	1 x 3W Warm White Single - White
	ATCSLED/SI	LED	1 x 3W Warm White Single - Silver



Gamma Mini LED

Supplied c/w Integral Driver



AMGAMLED

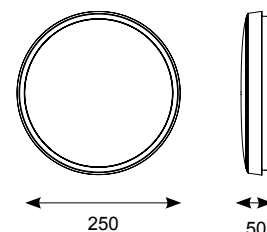


Chrome Trim Ring Fitted



Ultra slim profile

- Ultra slim modern polycarbonate wall/ceiling light
- Matt white finish to body and diffuser
- Rear fixing bracket and terminal housing for ease of installation
- Performance comparable to 28W TC-DD
- IP54 rating and suitable for bathroom use
- Microwave sensor set to 15 minutes (non-adjustable)
- /MWS and /MWS/M3 versions Masters as standard
- /MWS and MWS/M3 has integral photocell isolation switch
- LED lifespan L70 54,000 hours
- Non-dimmable



Code	Lamp	Description
AMGAMLED	LED	11W - Cool White
AMGAMLED/WW	LED	11W - Warm White
Options	/M3	Emergency
	/MWS	Internal Microwave Sensor
Accessories	AMGAMLEDBZ/CH	Chrome Trim Ring

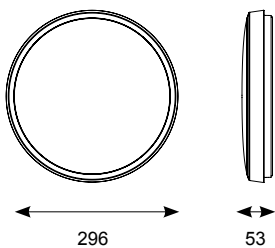
LED Information

Total (Watts)	11W
Lumens Delivered	
Cool White	1031lm
Warm White	971lm
Lm/W Cool White	94lm
Lm/W Warm White	88lm
CRI	Ra 80
CCT	4000K
	3000K
Input	230V
Hertz	50Hz
Operating Temp	-5°C to 35°C





- Ultra slim modern polycarbonate wall/ceiling light
- Matt white finish to body and diffuser
- Rear fixing bracket and terminal housing for ease of installation
- Outperforms 38W CFL
- IP54 rating and suitable for bathroom use
- Microwave sensor set to 15 minutes (non-adjustable)
- /MWS and /MWS/M3 versions Masters as standard
- /MWS and MWS/M3 has integral photocell isolation switch
- LED lifespan L70 54,000 hours
- Non-dimmable



Chrome Trim Ring Fitted



Ultra slim profile



LED Information

Total (Watts)	18W
Lumens Delivered	
Cool White	1675lm
Warm White	1551lm
Lm/W Cool White	93lm
Lm/W Warm White	86lm
CRI	Ra 80
CCT	4000K 3000K
Input	230V
Hertz	50Hz
Operating Temp	-5°C to 35°C

Code	Lamp	Description
AGAMLED	LED	18W - Cool White
AGAMLED/WW	LED	18W - Warm White

Options		
/M3	Emergency	
/MWS	Internal Microwave Sensor	

Accessories	AGAMLEDBZ/CH	Chrome Trim Ring
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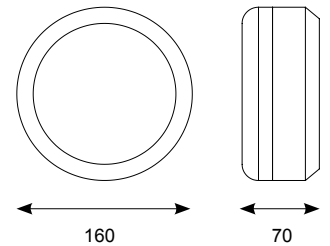
Beta LED

Supplied c/w Integral Driver

214



- Multi-purpose compact surface LED bulkhead
- IP44 rating and suitable for bathroom use
- All polycarbonate construction
- Comparable performance to 100W GLS and outperforms 16W CFL equivalents
- Instant light output and unlimited switching
- LED lifespan L70 56,000 hours
- Non-dimmable



Code	Lamp	Description
ABELED/WV	LED	5W - Cool White - White Base, Opal Visiluxe Diffuser

LED Information

Total (Watts)	5W
Lumens Delivered	436lm
Lm/W	87lm
CRI	Ra 70
CCT	4000K
Input	230V
Hertz	50Hz
Operating Temp	0°C to 25°C



Disco Slim LED CCT

Supplied c/w Integral Driver

- Slim modern design with all polycarbonate construction with opal diffuser and white trim ring
- One product provides both 3000K and 4000K colour temperature options
- 7W exceeds performance of 16W TC-DD
- 13W exceeds performance of 38W TC-DD
- Two options of microwave sensor emergency
- Instant light output and unlimited switching
- LED lifespan L70 56,000 hours



ADSILED1/CCT

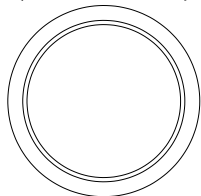
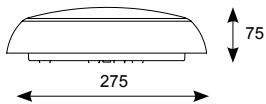
IP65



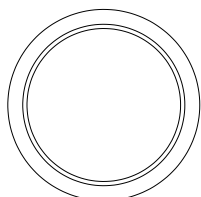
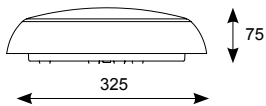
fitted with chrome trim ring



fitted with graphite trim ring



ADSILED1/CCT



ADSILED2/CCT

LED Information

	Cool White	Warm White
Total (Watts)		7W 13W
Lumens Delivered	643lm 1083lm	575lm 1027lm
Lm/W	92lm 83lm	82lm 79lm
CRI		Ra 80
CCT		4000K 3000K
Input		230V
Hertz		50Hz
Operating Temp		-10°C to 25°C

Code	Lamp	Description
ADSILED1/CCT	LED	7W - Cool White/Warm White
ADSILED2/CCT	LED	13W - Cool White/Warm White

Options		
/M3	Emergency	(13W only)
/MWS	Integral Microwave Sensor	(13W only)

Accessories		
ADSILED1BZ/CH	Chrome Trim Ring	(8W)
ADSILED1BZ/GR	Graphite Trim Ring	(8W)
ADSILED2BZ/CH	Chrome Trim Ring	(13W)
ADSILED2BZ/GR	Graphite Trim Ring	(13W)



Disco Slim LED

Supplied c/w Integral Driver

216



ADSILED1

IP65

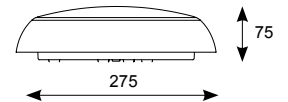


fitted with chrome trim ring

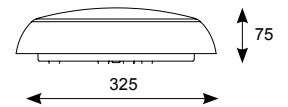


fitted with graphite trim ring

- Slim modern design with all polycarbonate construction with opal diffuser and white trim ring
- 8W exceeds performance of 16W TC-DD
- 13W exceeds performance of 38W CFL
- Two options of microwave sensor emergency
- /MWS/M3/CF provides CorridorFUNCTION with Tridonic control gear
- Instant light output and unlimited switching
- LED lifespan L70 56,000 hours



ADSILED1



ADSILED2

Code	Lamp	Description
ADSILED1	LED	8W - Cool White
ADSILED1/WW	LED	8W - Warm White

ADSILED2	LED	13W - Cool White
ADSILED2/WW	LED	13W - Warm White

Options	/M3	Emergency (13W only)
	/MWS	Integral Microwave Sensor (13W only)
	/MWS/M3/CF	Integral Microwave Sensor and Emergency CorridorFUNCTION (13W only)

Accessories	ADSILED/1BZ/CH	Chrome Trim Ring (8W)
	ADSILED/1BZ/GR	Graphite Trim Ring (8W)
	ADSILED/2BZ/CH	Chrome Trim Ring (13W)
	ADSILED/2BZ/GR	Graphite Trim Ring (13W)

LED Information

	Cool White	Warm White
Total (Watts)		8W 13W
Lumens Delivered	584lm 1021lm	547lm 979lm
Lm/W	73lm 79lm	68lm 75lm
CRI		Ra 80
CCT		4000K 3000K
Input		230V
Hertz		50Hz
Operating Temp		-10°C to 25°C



Disco Slim Halo LED

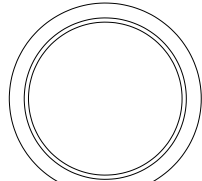
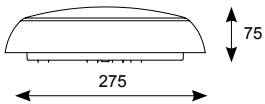
Supplied c/w Integral Driver

- Slim modern design with all polycarbonate construction with opal diffuser and white trim ring
- Unique design creates halo light spill effect
- 8W exceeds performance of 28W TC-DD
- 13W comparable performance to 40W TC-DD
- Two options of microwave sensor emergency
- /MWS/M3/CF provides CorridorFUNCTION with Tridonic control gear
- Instant light output and unlimited switching
- LED lifespan L70 56,000 hours

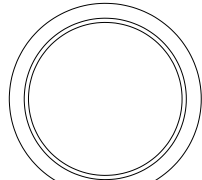
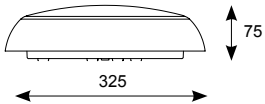


ADSIHLED1

IP65



ADSIHLED1



ADSIHLED2



Halo light spill effect



fitted with chrome trim ring



fitted with graphite trim ring

LED Information

Cool White Warm White

Total (Watts)	8W	
	13W	
Lumens Delivered	687lm	605lm
	1198lm	1064lm
Lm/W	86lm	87lm
	92lm	82lm
CRI	Ra 80	
CCT	4000K	
	3000K	
Input	230V	
Hertz	50Hz	
Operating Temp	-10°C to 25°C	

Code	Lamp	Description
ADSIHLED1	LED	8W - Cool White
ADSIHLED1/WW	LED	8W - Warm White
ADSIHLED2	LED	13W - Cool White
ADSIHLED2/WW	LED	13W - Warm White

Options	/M3	Emergency (13W only)
	/MWS	Integral Microwave Sensor (13W only)
	/MWS/M3/CF	Integral Microwave Sensor and Emergency CorridorFUNCTION (13W only)

Accessories	ADSILED/1BZ/CH	Chrome Trim Ring (8W)
	ADSILED/1BZ/GR	Graphite Trim Ring (8W)
	ADSILED/2BZ/CH	Chrome Trim Ring (13W)
	ADSILED/2BZ/GR	Graphite Trim Ring (13W)



Disco LED

Supplied c/w Integral Driver

218



ADILED1

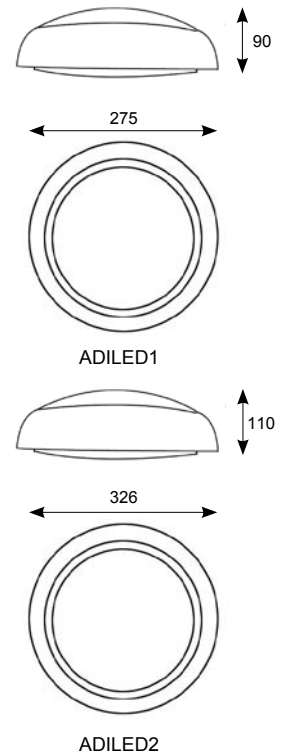
IP65



ADILED2

IP65

- All polycarbonate construction with opal diffuser and white trim ring
- LED performance exceeds CFL equivalents
- Two options of microwave sensor emergency
- /MWS/M3/CF provides CorridorFUNCTION with Tridonic control gear
- Instant light output and unlimited switching
- LED lifespan L70 56,000 hours



Code	Lamp	Description
ADILED1	LED	8W - Cool White
ADILED2	LED	14W - Cool White

Options		Description
/M3		Emergency (14W only)
/MWS		Integral Microwave Sensor (14W only)
/MWS/M3/CF		Integral Microwave Sensor and Emergency CorridorFUNCTION (14W only)

Accessories		Description
ADI28BZ/BR		Brass Trim Ring (14W)
ADI28BZ/CH		Chrome Trim Ring (14W)
ADI28BZ/SG		Silver Grey Trim Ring (14W)

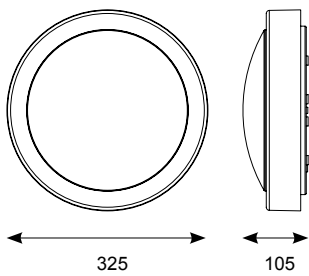
LED Information

Total (Watts)	8W 14W
Lumens Delivered	539lm 860lm
Lm/W	67lm 61lm
CRI	Ra 70
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-10°C to 25°C





- Contemporary all polycarbonate fixture for wall/ceiling mounting
- LED performance exceeds CFL equivalents
- /MWS/M3/CF provides CorridorFUNCTION with Tridonic control gear
- Optional chrome trim ring
- LED lifespan L70 56,000 hours



AJALED

IP65



Chrome Trim Ring Fitted

LED Information

Total (Watts)	14W
Lumens Delivered	993lm
Lm/W	66lm
CRI	Ra 80
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	0°C to 25°C

Code	Lamp	Description
AJALED	LED	14W - Cool White
Options	/M3	Emergency
	/MWS	Internal Microwave Sensor
	/MWS/M3/CF	Integral Microwave Sensor and Emergency CorridorFUNCTION
Accessories	AJALEDDBZ/CH	Chrome Trim Ring



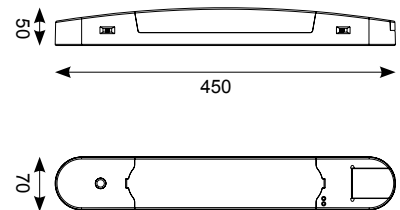
Profile Dual Voltage LED Razor Light

c/w Integral Driver

220



- Ultra-slim unobtrusive modern design
- Directional light output provides optimum facial illumination
- All switches SELV rated for ultimate safety
- Night light function with four minute timed override switch for full power output
- Only 1.8W power consumption in night light mode
- Optional wiring facility for remote bedside operation of night light function
- USB 2A charge port
- 110/230V selectable shaver output and isolating transformer
- LED lifespan L70 50,000 hours



Access to shaver connection and USB charge port via hinged protective cover. Simple SELV switch provides the ability to select required voltage.



Easy to operate SELV switch function provides the ability to select 100% brightness, night light mode, and on/off settings.



Illuminated soft touch SELV switch for night light, with four minute timed override providing full brightness when required.

LED Information

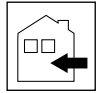
Total (Watts)	8W
Lumens Delivered	
Full Power	436lm
Night light	33lm
Lm/W	55lm
CRI	Ra 70
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	0°C to 40°C

Code	Lamp	Description
APLEDDVRL	LED	8W - Cool White



Dual Voltage Razor Light

Supplied c/w Lamp



221

- Modern profile razor light with dual voltage options (110/230V) and isolating transformer
- Polycarbonate body and diffuser
- Pull cord for illumination
- Prismatic diffuser



Dimensions - mm

Length 493

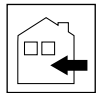
Width 60

Depth 71



Code	Lamp	Description
ADVRL	284mm Strip	60W - White

Dual Voltage Shaver Socket



- Modern profile shaver socket with isolating transformer
- 115Volt and 230Volt outputs
- Supplied with screws and plastic covers



ADVSS



Code	Lamp	Description
ADVSS		Dual Voltage Shaver Socket

Warrington: +44 (0) 1942 433333

Belfast: +44 (0) 2890 773750





Rondo HP AC LED Surface/Spike Light

No Driver Required



- High performance LED feature light
- Suitable for surface or spike mounting (spike accessory included)
- No driver required
- 60° beam angle
- Die-cast aluminium construction with textured graphite paint finish
- Pre-wired with 2 metres of H07RN-F cable
- LED lifespan L70 30,000 hours
- Non-dimmable

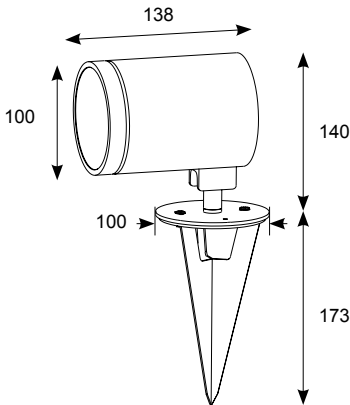
Wall Mounting



Spike Mounting



Surface Mounting



LED Information

Total (Watts)	20W
Lumens Delivered	1200lm
Lm/W	60lm
CRI	Ra 80
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 40°C



Code	Lamp	Description
AROLEDSSS	LED	20W - Cool White

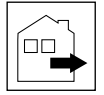




Project - Southport Flower Show
Southport, UK

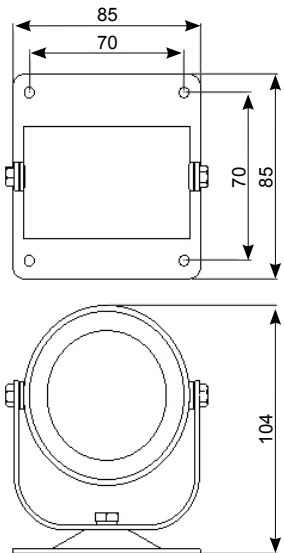
Meteor LED Submersible

Supplied Less Driver



343

- Surface or submersible spot for external applications
- 316L stainless steel construction housing with adjustable head
- Pre-wired with 3 metres of rubber insulated cable
- Submersible to a depth of up to 3 metres
- LED lifespan L70 50,000 hours



LED Information

Total (Watts)	6W
Lumens Delivered	547lm
Lm/W	91lm
CRI	Ra 75
CCT	4000K
Input	350mA
Operating Temp	-20°C to 40°C



	Code	Lamp	Description
	AMETLED	LED	6W - Cool White
Accessories	AD9W/350	9W 350mA LED Driver	
	ADK20W/350	20W 350mA LED Driver	
	AMCD25W	0-15W Multicurrent Driver	
	AMCD50W	0-20W Multicurrent Driver	

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



Flora GU10 LED

Supplied Less Lamp

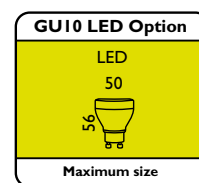
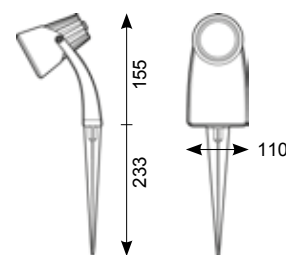
344



Wall Mounting

Spike Fixing

- Dual purpose garden spotlight supplied with wall mounting bracket and spike
- Manufactured from 100% recyclable materials
- Pre-wired with 2 metres of rubber insulated cable
- Suitable for GU10 LED lamps only as detailed

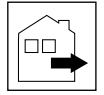


Code	Lamp	Description
AFGS/GU10LED	LED	5W LED GU10



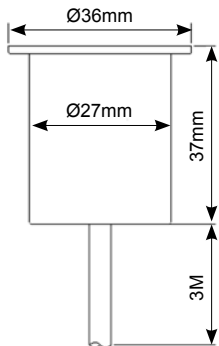
Subra LED Inground Uplight

Supplied Less Driver



345

- Small recessed LED marker ground light for a variety of internal and external applications
- 316L stainless steel bezel and housing
- Pre-wired with 2 metres of rubber insulated cable
- Submersible to a depth of up to 2 metres
- LED lifespan L70 56,000 hours lifetime



LED Information

Total (Watts)	1W
Lumens Delivered	
Cool White	35lm
Warm White	35lm
Lm/W Cool White	35lm
Lm/W Warm White	35lm
CRI Cool White	Ra 75
CRI Warm White	Ra 80
CCT Cool White	6000K
CCT Warm White	3000K
Input	12V/24V
Operating Temp	-20°C to 45°C



ASUWOLED/CW



ASUWOLED/WW

Code	Lamp	Description
ASUWOLED/CW	LED	1W - Cool White
ASUWOLED/WW	LED	1W - Warm White

Accessories	Code	Description
	ADK15W/24V	15W 24V LED Driver
	ADK60W/24V	60W 24V LED Driver
	AMCD25W	10 - 20W Multicurrent LED Driver



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Belfast: +44 (0) 2890 773750

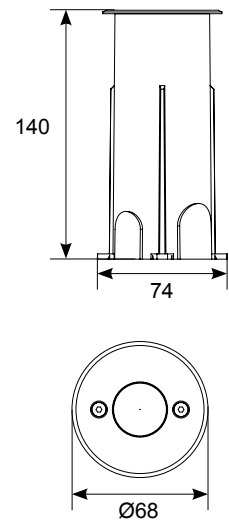


Turlock LED Inground Uplight

Supplied c/w Integral Driver



- Powerful compact LED inground uplight
- Exceeds performance of 50W Halogen
- Die-cast aluminium construction with 316L stainless steel top frame
- Static load test to 2000kg
- Supplied c/w installation housing for additional protection and ease of installation
- Pre-wired with 1 metre of rubber insulated cable
- LED lifespan L70 50,000 hours

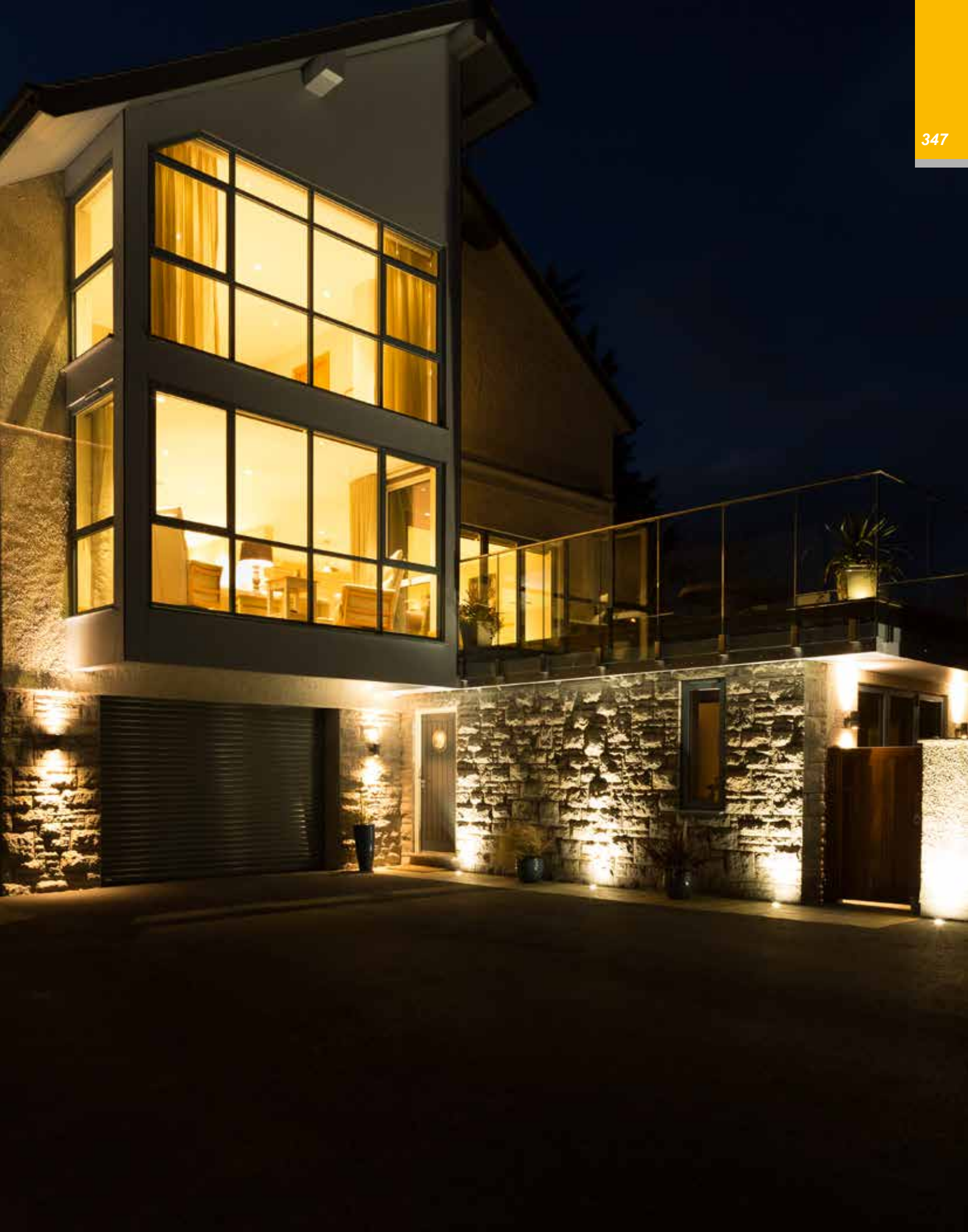


LED Information

Total (Watts)	3W
Lumens Delivered	135lm
Lm/W	45lm
Beam Angle	23°
CRI	Ra 80
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C

Code	Lamp	Description
ATURWOLED/70	LED	3W - Cool White





Project - Private Residential
Abersoch, UK

Turlock LED Inground Uplight

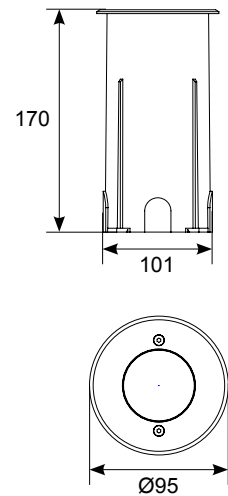
Supplied c/w Integral Driver



Powered by



- Powerful compact LED inground uplight
- Exceeds performance of 35W CDM-T
- Static load test to 2000kg
- Supplied c/w installation housing for additional protection and ease of installation
- Die-cast aluminium construction with 316L stainless steel top frame
- Pre-wired with 1 metre of rubber insulated cable
- LED lifespan L70 50,000 hours



LED Information

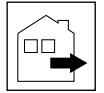
Total (Watts)	4W
Lumens Delivered	390lm
Lm/W	97lm
Beam Angle	21°
CRI	Ra 80
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C

Code	Lamp	Description
ATURWOLED/95	LED	4W - Cool White



Turlock LED Inground Uplight

Supplied c/w Integral Driver

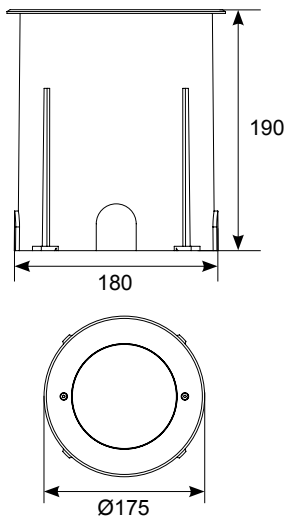


349

- High performance LED inground uplight
- Exceeds performance of 70W CDM-T
- Static load test to 2000kg
- Supplied c/w installation housing for additional protection and ease of installation
- Die-cast aluminium construction with 316L stainless steel top frame
- Pre-wired with 1 metre of rubber insulated cable
- LED lifespan L70 50,000 hours

Powered by

HEP



LED Information

Total (Watts)	8W
Lumens Delivered	884lm
Lm/W	110lm
Beam Angle	18°
CRI	Ra 80
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C



Code	Lamp	Description
ATURWOLED/175	LED	8W - Cool White

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Turlock LED Inground Uplight

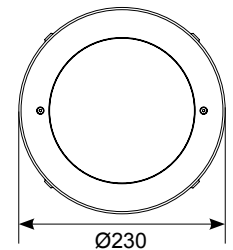
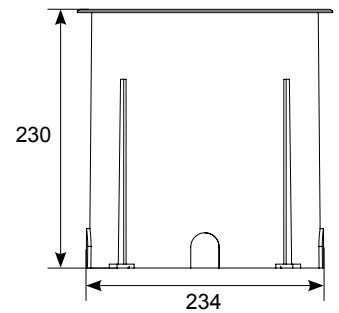
Supplied c/w Integral Driver



Powered by



- High performance inground uplight
- Exceeds performance of 70W CDM-T
- Static load test to 2000kg
- Supplied c/w installation housing for additional protection and ease of installation
- Die-cast aluminium construction with 316L stainless steel top frame
- Pre-wired with 1 metre of rubber insulated cable
- LED lifespan L70 50,000 hours



LED Information

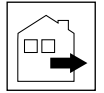
Total (Watts)	19W
Lumens Delivered	2214lm
Lm/W	116lm
Beam Angle	20°
CRI	Ra 80
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 25°C

Code	Lamp	Description
ATURWOLED/230	LED	19W - Cool White



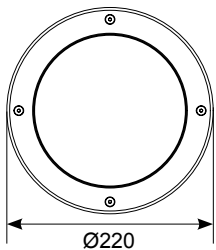
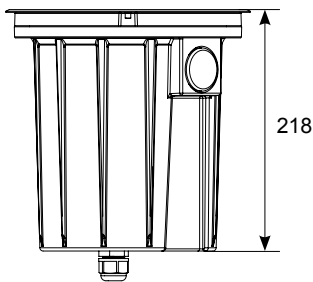
Fresno LED Adjustable Inground Uplight

Supplied c/w Integral Driver



351

- High performance LED adjustable inground uplight
- Exceeds performance of 35W CDM-T
- 304L stainless steel bezel and powder coated aluminium housing
- Supplied c/w installation housing for additional protection and ease of installation
- Integral driver and pre-wired with 2 metres of rubber insulated cable
- Static load test to 2000kg and therefore suitable for vehicular and pedestrian traffic
- LED lifespan L70 50,000 hours
- Non-dimmable



LED Information

Total (Watts)	19W
Lumens Delivered	998lm
Lm/W	53lm
Beam Angle	11°
CRI	Ra 80
CCT	3000K
Input	230V
Hertz	50Hz
Operating Temp	-20°C to 40°C



Code	Lamp	Description
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AFRWOLED/220	LED	19W - Warm White
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Belfast: +44 (0) 2890 773750



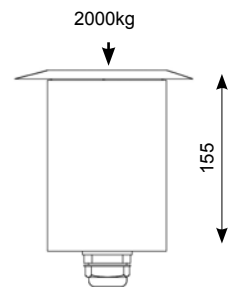
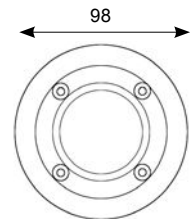
GU10/MR16 Inground Uplight

Supplied Less Lamp

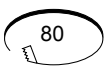
352



- Supplied with both MR16 and GU10 lampholders
- Compact inground uplight which accepts 12V and mains halogen, CFL and LED lamps
- Housing in die-cast aluminium with clear toughened glass diffuser of 10mm thickness
- 316 stainless steel top ring and stainless steel allen key screws
- Suitable for light vehicular traffic with a static impact resistance of up to 2000kgs
- Supplied with recessed sleeve in high resistant thermoplastic



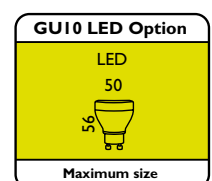
With Sleeve



Without Sleeve

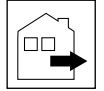
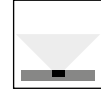
Caution: surface glass temperature will get very hot under normal halogen operation. It is recommended to use GU10 LED lamps for cooler operation.

Code	Lamp	Description
AWO50	GU10/MR16	50W



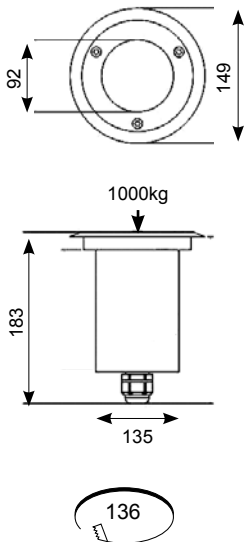
GU10 Adjustable Inground Uplight

Supplied Less Lamp



353

- Die-cast aluminium housing with a clear toughened glass diffuser of 8mm thickness
- 304 stainless steel top ring and stainless steel allen key screws
- Adjustable lampholder to allow up to 15° vertical inclination of lamp
- Suitable for pedestrian traffic with a static impact resistance of up to 1000kgs



Caution: surface glass temperature will get very hot under normal halogen operation. It is recommended to use GU10 LED lamps for cooler operation.



Code	Lamp	Description
AWO/GU10	GU10	50W



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



Lynx Mini LED Wallpack

Supplied c/w Integral Driver

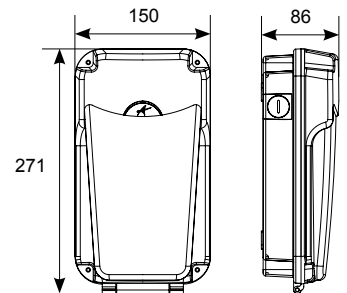
374



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- 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
- Photocell and sensor options
- LED lifespan L70 56,000 hours



Code	Lamp	Description
AMLWPLED	LED	15W - Cool White

Options		
/PC		Electronic Photocell
/MWS		Integral Microwave Sensor

LED Information

Total (Watts)	15W
Lumens Delivered	1053lm
Lm/W	70lm
CRI	Ra 80
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-10°C to 40°C



Lynx LED Wallpack

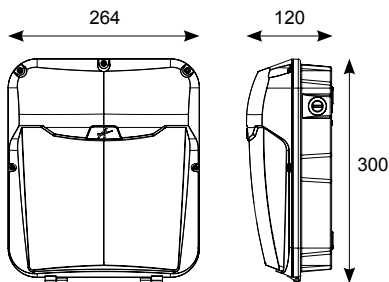
Supplied c/w Integral Driver



- 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



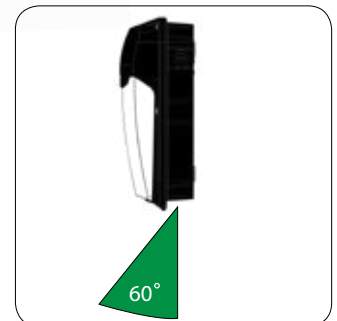
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Emergency Standby



Emergency Operation



Emergency Mode Beam Angle

LED Information

Total (Watts)	29W
Lumens Delivered	1798lm
Lm/W	60lm
CRI	Ra 80
CCT	4000K
Input	230V
Hertz	50Hz
Operating Temp	0°C to 25°C

Code	Lamp	Description
ALWPLED	LED	29W - Cool White

Options		Description
/PC		Electronic Photocell
/M3		Emergency
/DD		Digital Dimming (DD1/DD2/DD3/DD4)
/MWS		Integral Microwave Sensor



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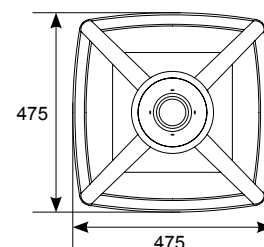
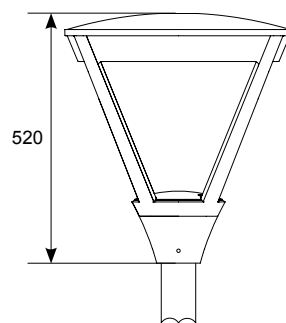
Asuri LED Post Top

Supplied c/w Integral Driver

376



- 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



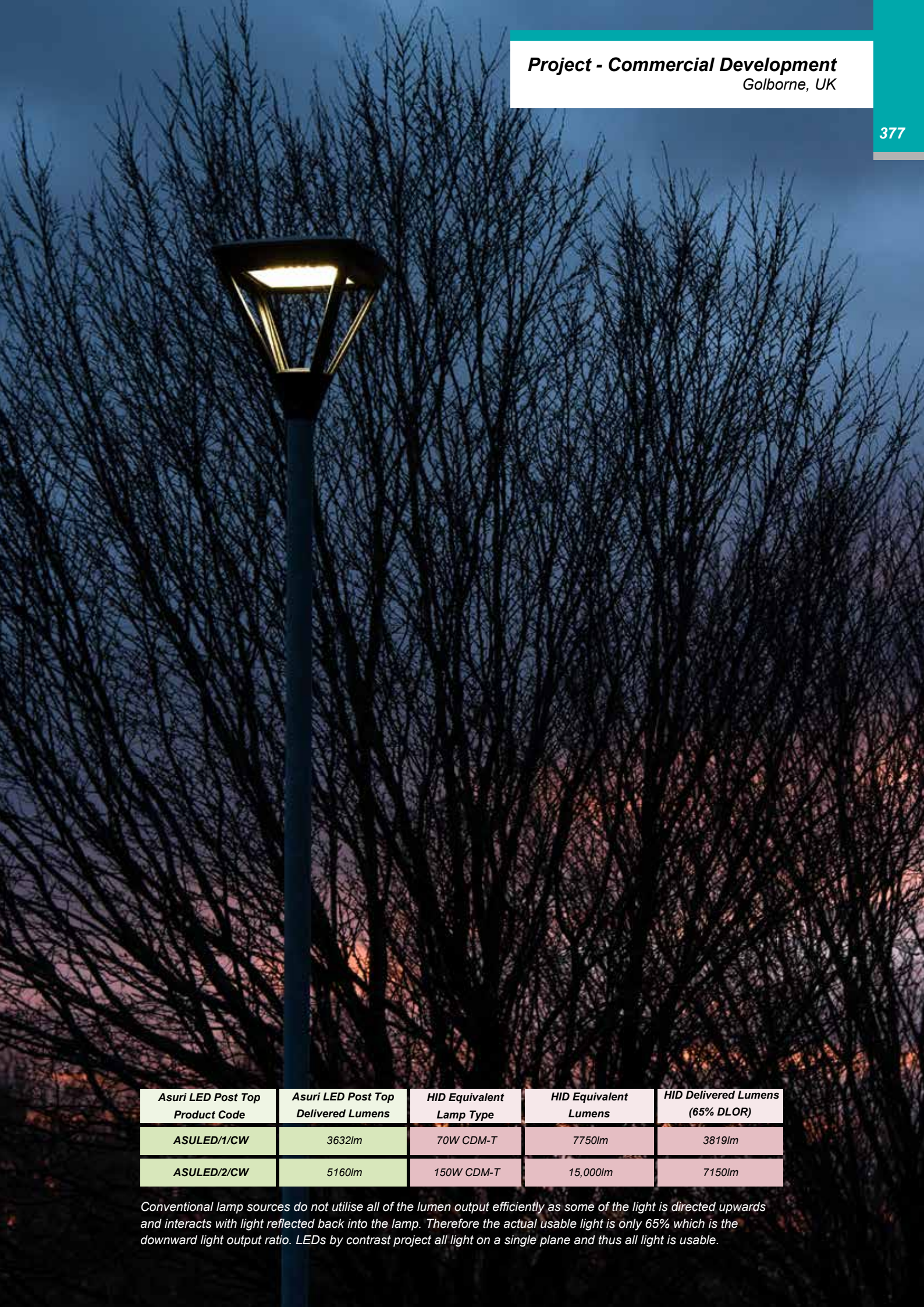
Code	Lamp	Description	Windage
ASULED/1/CW	LED	42W - Cool White	0.08
ASULED/2/CW	LED	63W - Cool White	0.08
ASULED/1/WW	LED	42W - Warm White	0.08
ASULED/2/WW	LED	63W - Warm White	0.08

Options	/PC	Electronic Photocell
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LED Information

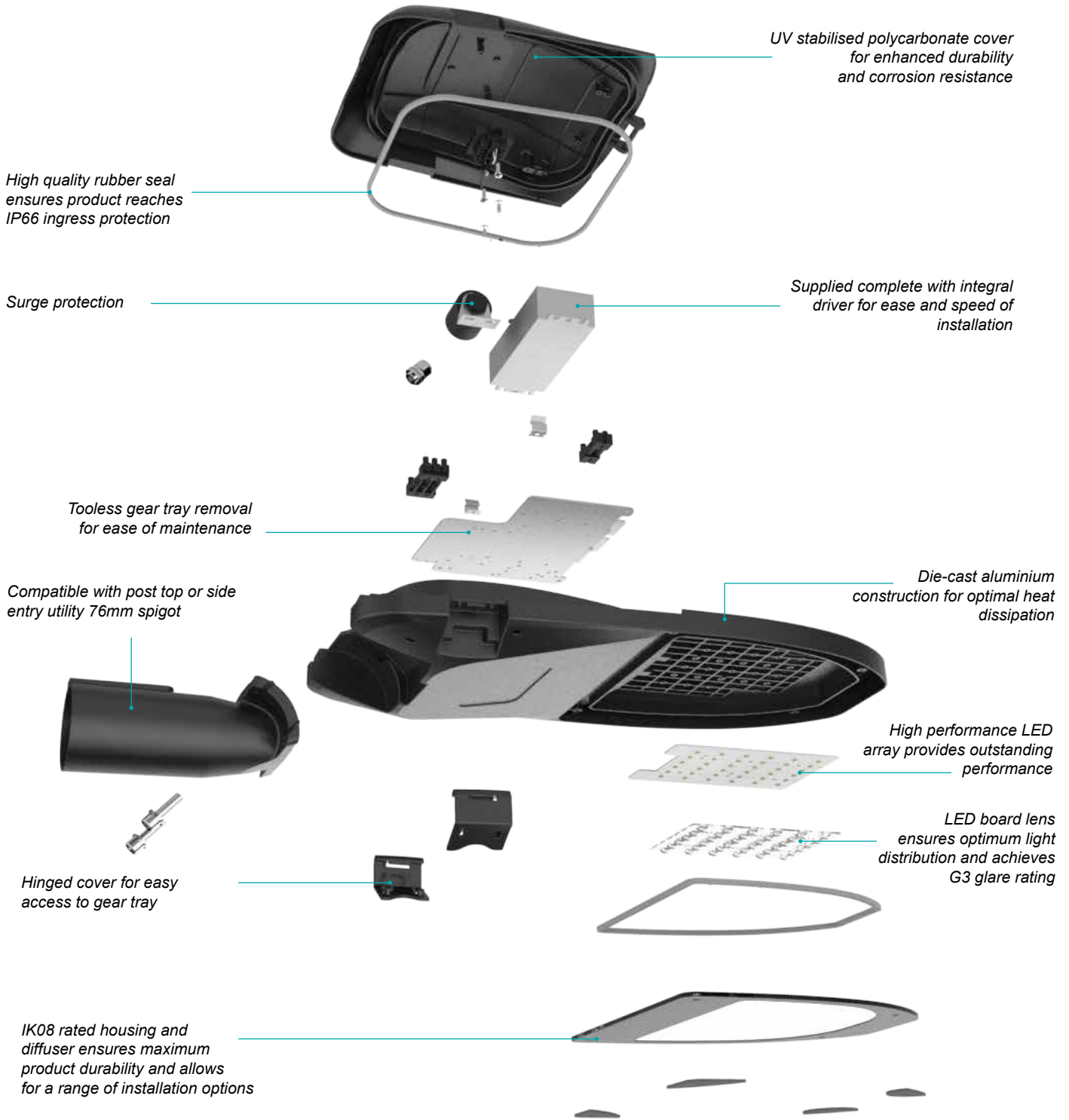
Total (Watt)	42W	63W
Lumens Delivered		
Cool White	3632lm	5160lm
Warm White	3060lm	4350lm
Lm/W		
Cool White	86lm	82lm
Warm White	77lm	73lm
CRI	Ra 70	
CCT	4000K 3000K	
Input	100/240V	
Hertz	50Hz	
Operating Temp	-40°C to 55°C	





Asuri LED Post Top Product Code	Asuri LED Post Top Delivered Lumens	HID Equivalent Lamp Type	HID Equivalent Lumens	HID Delivered Lumens (65% DLOR)
ASULED/1/CW	3632lm	70W CDM-T	7750lm	3819lm
ASULED/2/CW	5160lm	150W CDM-T	15,000lm	7150lm

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.



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

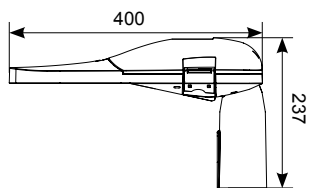
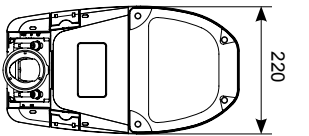
Conventional lamp sources do not utilise all of the lumen output efficiently as some of the light is directed upwards and interacts with light reflected back into the lamp. Therefore the actual usable light is only 65% which is the downward light output ratio. LEDs by contrast project all light on a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

Onix LED Street Light

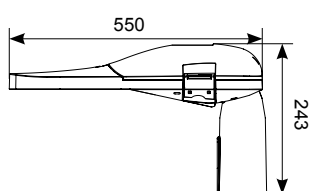
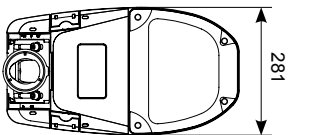
Supplied c/w Integral Driver



- 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



AONIXLED/1 - AONIXLED/2



AONIXLED/3 - AONIXLED/4



AONIXLED/1 - AONIXLED/2



AONIXLED/3 - AONIXLED/4



Adjustable 48-60mm Spigot bracket

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	100/240V
Hertz	50Hz
Operating Temp	-20°C to 50°C

Code	Lamp	Description	Windage
AONIXLED/1	LED	20W - Cool White	0.04
AONIXLED/2	LED	40W - Cool White	0.04
AONIXLED/3	LED	60W - Cool White	0.07
AONIXLED/4	LED	80W - Cool White	0.07

Options	/PC	Electronic Photocell
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Accessories	AONIXLED/SBA	48-60mm Spigot Bracket
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Warrington: +44 (0) 1942 433333
Belfast: +44 (0) 2890 773750







Project

Skynet - Wilmslow, UK



Z LED High Bay UFO p387



Deco LED High Bay



*Z LED
High Bay UFO*



ForceLINE LED



Opti-Lux LED Linear



*Pre-Wired T8 Non-
Corrosive for LED Tubes*



*Stormloc LED
Non-Corrosive*



*Tornado Pro LED
Non-Corrosive*



*Tornado LED
Non-Corrosive*



*Tornado LED 110V
Non-Corrosive*



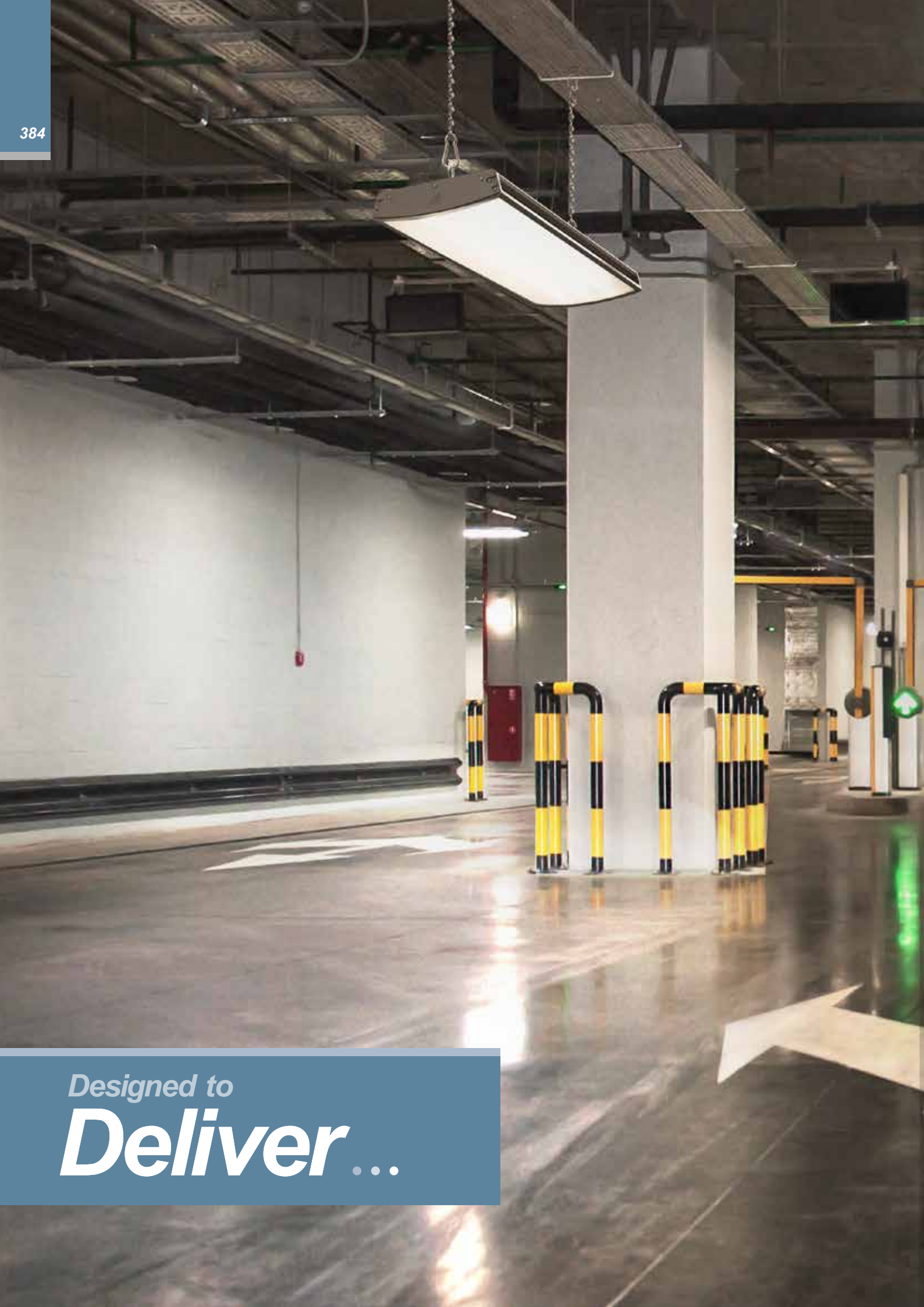
*Sleek LED 110V
Bulkhead*



Airbeam LED Batten



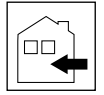
Topline 6 LED Batten



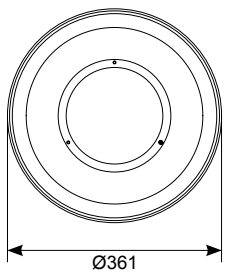
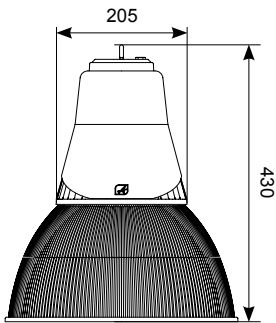
Designed to
Deliver...

Deco High Bay LED

Supplied c/w Integral Driver



- Decorative modern LED pendant supplied with either polycarbonate refractor or aluminium reflector
- Suitable for industrial, commercial and retail applications
- 41W exceeds performance of 70W HQI
- 96W exceeds performance of 150W HQI
- Matt grey textured powder coated finish
- LED lifespan L70 54,000 hours



LED Information

Total (Watts)	41W	96W
Lumens Delivered		
/ALU	4760lm	10437lm
/PC	4678lm	10375lm
Lm/W		
/ALU	114lm	109lm
/PC	116lm	108lm
Beam Angle		
/PC		68°
/ALU		63°
CRI		Ra 80
CCT		4000K
Input		230V
Hertz		50/60Hz
Operating Temp		-20°C to 25°C



ADHBLED1/PC

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ADHBLED2/ALU

Code	Lamp	Description
ADHBLED1/PC	LED	41W - c/w PC Refractor
ADHBLED2/PC	LED	96W - c/w PC Refractor
ADHBLED1/ALU	LED	41W - c/w Aluminium Reflector
ADHBLED2/ALU	LED	96W - c/w Aluminium Reflector
Options	/DD	Digital dimming (DD1/DD2/DD3/DD4)
Accessories	ADHBLED/PC/BC	PC Bottom Cover (360mm)
	ADHBLED/SK	Suspension Kit



Z LED UFO

Pre-wired with 3m of H07RN-F cable for ease and speed of installation



Supplied eye bolt aiding speedy point-for-point installation

IK08 Impact Rating

Robust die-cast body for any application

Highly effective die-cast aluminium heat sink for optimum heat dispersion

High efficiency LED packages and wide beam angles to suit a wide range of applications

Silicone Gasket provides IP65 Ingress Protection

Polycarbonate diffuser offers durable protection

316L stainless steel allen bolts for protection against corrosion

Z LED UFO Product Code	Z LED UFO (4000K) Delivered Lumens	HID Equivalent Lamp Type	HID Equivalent Lumens	HID Delivered Lumens (65% DLOR)
AZLED/1	11858lm	150W HQI-E	13,300lm	8645lm
AZLED/2	18443lm	250W HQI-E	23,800lm	15470lm
AZLED/3	23965lm	400W HQI-E	41,000lm	26650lm

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.

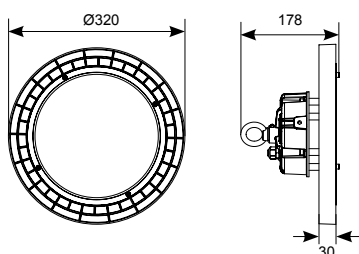
- Robust LED low/high bay for industrial, commercial and retail applications
- Pre-wired with 3m of H07RN-F cable for ease and speed of installation
- Alternative installation options by means of drop rods, jack chain / catenary wire
- 98W comparable to 150W HQI
- 151W comparable to 250W HQI
- 198W comparable to 400W HQI
- Die-cast powder coated construction and heatsink for optimum thermals and performance
- TP(a) as standard
- LED lifespan L70 50,000 hours
- 1-10V dimmable as standard

Z LED High Bay UFO

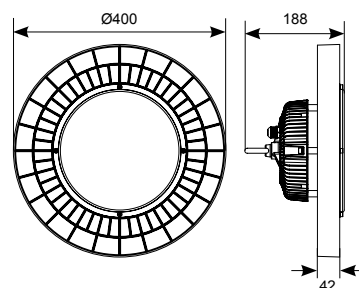
Supplied c/w Integral Driver



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AZLED/1 + AZLED/2



AZLED/3



AZLED/REF -
Aluminium Reflector



AZLED/FB1 -
Mounting Bracket Accessory

LED Information

Total (Watts)	98W		
	151W		
	198W		
Lumens Delivered	4000K	6500K	
	98W	11858lm	12593lm
	151W	18443lm	19064lm
	198W	23965lm	26409lm
Lm/W	98W	121lm	130lm
	151W	122lm	127lm
	198W	121lm	129lm
CRI	Ra 80		
CCT	4000K		
	6500K		
Input	200V-240V		
Hertz	50/60Hz		
Operating Temp	-40°C to 40°C		

Code	Lamp	Description
AZLED/1	LED	98W - Cool White
AZLED/2	LED	151W - Cool White
AZLED/3	LED	198W - Cool White
AZLED/1/DL	LED	98W - Daylight
AZLED/2/DL	LED	151W - Daylight
AZLED/3/DL	LED	198W - Daylight

Options	/M3	Emergency
	/MWS	Integral Microwave Sensor

Accessories	AZLED/REF	Aluminium Reflector
	AZLED/FB1	Mounting Bracket Accessory Z-LED LED Highbay



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



ForceLINE LED

Supplied c/w Integral Driver

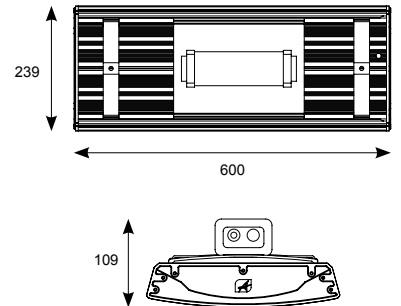
388



Powered by



- Powerful and robust IP65 low/high bay, perfect for the demands of industrial applications
- Mounting brackets supplied as standard for droprod or chain/wire installation
- Comparable to 4 x 55W PL
- Die-cast aluminium construction provides enhanced thermal performance for longer LED lifespan
- Anti-glare polycarbonate diffuser maximises performance and light output
- LED lifespan L70 51,000 hours



Code	Lamp	Description
AFLLED2	LED	156W - Cool White

Options	Code	Description
	/M3	Emergency
	/SM3	Self-Test emergency
	/DM3	DALI emergency
	/DD	Digital Dimming (DD1/DD3/DD4)
	/MWS	Integral Microwave Sensor

LED Information

Total (Watts)	156W
Lumens Delivered	15474lm
Lm/W	99lm
CRI	Ra 80
CCT	4000K
Input	230V
Hertz	50Hz
Operating Temp	-20°C to 50°C



FORCE LINE LED

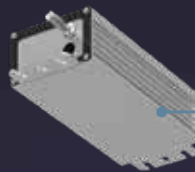
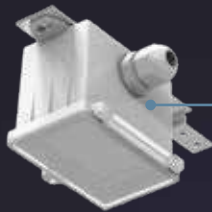
Optional Microwave sensor accessory

Hytronik high frequency motion sensor

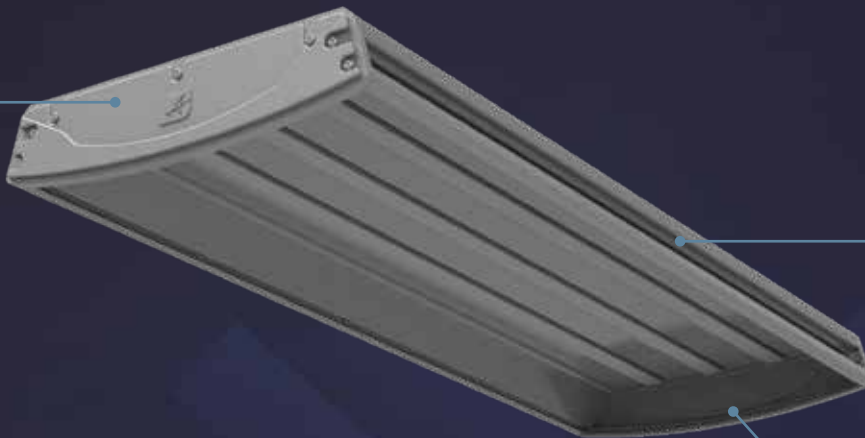
Hold time: 5secs - 30mins

LUX: 2 - 50 lux

Detection Range: 12m



High quality die-cast end caps.



Aluminium extruded housing for thermal management to achieve longer LED lifespan

Latest LED chips for maximum efficiency and performance



Silicone gasket provides IP65 ingress protection



Anti glare polycarbonate diffuser maximises performance and light distribution

Opti-Lux LED Linear

Supplied c/w Integral Driver

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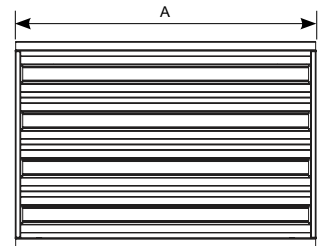
AOLEDL55

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AOLEDL80

- LED Low / High Bay suitable for industrial and commercial applications
- 92W performance comparable to 4x55W PL
- 160W exceeds performance of 4x49W T5
- Instant light output and unlimited switching
- Supplied c/w 3 metre catenary suspension kit
- Mild Steel powder coat construction
- Mirror finished reflector optimises light output for maximum efficiency
- LED lifespan L70 95,000 hours
- On site commissioning recommended for all installations incorporating sensors



Code	Lamp	Description	A	B	C
AOLEDL55	LED	92W - Cool White	615	410	120
AOLEDL80	LED	160W - Cool White	1455	410	120
AOCONTROLLER		Sensor Hand Controller			
AOCOMMISSION		On-site Commissioning per day			

Options	/M3	Emergency
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)
	/SEN1	Presence Detector
	/SEN3	Presence Detector and Daylight Dimming

Accessories	AOLEDL55/WG	Wire Guard (615mm)
	AOLEDL80/WG	Wire Guard (1455mm)

LED Information

Total (Watts)	92W
	160W

Lumens Delivered	
92W	12386lm
160W	19236lm

Lm/W 92W	135lm
Lm/W 160W	120lm

CRI	Ra 80
-----	-------

CCT	4000K
-----	-------

Input	220/240V
-------	----------

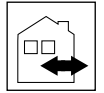
Hertz	50/60Hz
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Operating Temp	-20°C to 50°C
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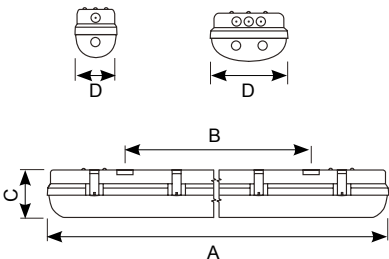


IP65 T8 Pre-Wired Non Corrosive For LED Tubes

Non Corrosive supplied Less Control Gear and Lamp



- Mains Voltage Non Corrosive for Ansell T8 LED Tubes
- Fixture supplied with lockable stainless steel clips as standard



Code	Lamp	Description	A	B	C	D	Clips
ADP2	LED	1 x 600mm for LED Tube	655	478	110	105	4
ADP4	LED	1 x 1200mm for LED Tube	1265	907	110	105	8
ADP5	LED	1 x 1500mm for LED Tube	1565	907	110	105	10
ADP2X2	LED	2 x 600mm for LED Tube	655	478	110	165	4
ADP2X4	LED	2 x 1200mm for LED Tube	1265	907	110	165	8
ADP2X5	LED	2 x 1500mm for LED Tube	1565	907	110	165	10



StormlocTM

ELEMENT PROTECTION **LED**

Unique design of brackets for BESA box mounting or direct ceiling mounting

UV stabilised polycarbonate base for durability and strength

Heavy duty lockable stainless steel clips as standard

TRIDONIC
and Philips drivers
(dimnable option available)

Integral microwave sensor option

Dedicated LED circuit for integral Self-Test emergency option

Aluminium gear tray for thermal management to maximise lifetime of LED array

Two fused terminal blocks for surge protection

Optical lens securing end cap

Latest LED chips for maximum performance and efficiency

Visiluxe optical lens maximises performance and light distribution

Provides appearance of traditional fluorescent

Shockproof polycarbonate diffuser for high durability and strength



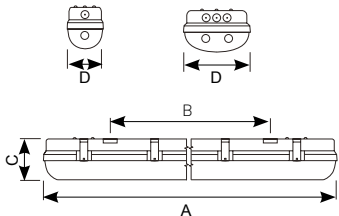
Stormloc IP65 LED Non-Corrosive

Supplied c/w Integral Driver

- Up to 48% energy saving compared to T8 fluorescent
- Light output exceeds performance of T8 and T5 fluorescent by up to 37%
- LED performance allows point for point replacement of existing fluorescent luminaires
- Internal linear Visiluxe optical lens for maximum performance and light distribution. Provides appearance of traditional fluorescent
- Instant light output with unlimited switching
- Unique luminaire fixing clip design allows option of mounting onto BESA box or directly onto ceiling surfaces
- Lockable heavy duty stainless steel clips supplied as standard for added safety and security
- Polycarbonate base and diffuser maximises durability and strength
- Powered by Philips and Tridonic drivers
- Self-test emergency as standard
- CorridorFUNCTION for dimmable microwave sensor models
- LED lifespan L70 56,000 hours



Internal high performance optical lens



LED Information

Total (Watts)	27W	57W
	37W	73W
	46W	86W
Lumens Delivered	2218lm	4474lm
	3143lm	6103lm
	3652lm	7109lm
Lm/W	82lm	79lm
	84lm	84lm
	79lm	83lm
CRI	Ra 80	
CCT	4000K	
Input	230V	
Hertz	50Hz	
Operating Temp	-20°C to 40°C	

Code	Lamp	Description	A	B	C	D
ASLED4	LED	27W	1265	907	110	105
ASLED5	LED	37W	1565	907	110	105
ASLED6	LED	46W	1858	1170	110	105
ASLED2X4	LED	57W	1265	907	110	165
ASLED2X5	LED	73W	1565	907	110	165
ASLED2X6	LED	86W	1858	1170	110	165

Options	Code	Description
	/M3	Self-Test Emergency
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)
	/MWS	Integral Microwave Sensor



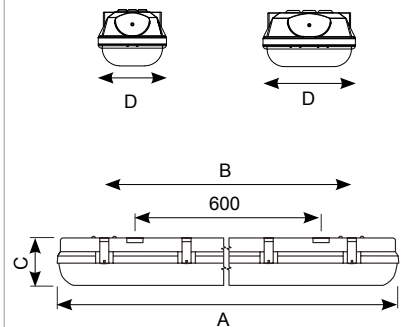
Tornado Pro LED Non-Corrosive

Supplied c/w Integral Driver



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- Exceeds performance of standard T5 fluorescent
- Ultra slim IP65 LED NCF linear.
- Unique base design caters for multiple installation methods.
- Installer friendly imbedded features aid accurate and fast installation for any application.
- Quick release LED array / gear tray assembly provides the installer the means to faster installation / maintenance.
- Fast latching / permanently located stainless steel side clips ensure a quick and secure connection
- Tridonic LED driver as standard
- Self-test emergency as standard with Li-ion battery technology, reducing charge time and running costs
- LED lifespan L70 30,000 hours



Code	Lamp	Description	A	B	C	D
ATORPLED4	LED	20W	1265	860	70	85
ATORPLED5	LED	29W	1565	960	70	85
ATORPLED6	LED	35W	1865	1200	70	85
ATORPLED2X4	LED	41W	1265	860	70	115
ATORPLED2X5	LED	61W	1565	960	70	115
ATORPLED2X6	LED	78W	1865	1200	70	115

Options	Code	Description
	/M3	Self-Test emergency
	/DM3	DALI emergency
	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)
	/MWS	Integral Microwave Sensor

LED Information

Total (Watts)	20W	41W
	29W	61W
	35W	78W
Lumens Delivered	2331lm	4457lm
	3209lm	6314lm
	3702lm	8204lm
Lm/W	117lm	109lm
	111lm	104lm
	106lm	105lm
CRI	Ra 80	
CCT	4000K	
Input	230V	
Hertz	50Hz	
Operating Temp	-10°C to 40°C	



Tornado Pro

ELEMENT PROTECTION LED



Tornado IP65 LED Non-Corrosive

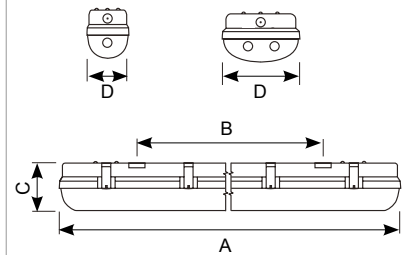
Supplied c/w Integral Driver



Stainless Steel Clips as standard



- LED Performance allows point-to-point replacement of existing fluorescent luminaires
- Light output exceeds performance of T8 and T5 fluorescent
- Unique luminaire fixing clip design allows option of mounting onto BESA box
- Lockable heavy-duty stainless steel clips supplied as standard for added safety and security
- Self-test emergency as standard
- LED lifespan L70 30,000 hours



Code	Lamp	Description	A	B	C	D
ATORLED4	LED	20W	1266	860	75	85
ATORLED5	LED	28W	1566	960	75	85
ATORLED6	LED	35W	1866	1030	80	85
ATORLED2X4	LED	40W	1266	860	75	118
ATORLED2X5	LED	58W	1566	960	75	118
ATORLED2X6	LED	71W	1855	1030	80	118

Options	/M3	Self-Test Emergency
	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)
	/MWS	Integral Microwave Sensor

LED Information

Total (Watts)	20W	40W
	28W	58W
	35W	71W
Lumens Delivered	2088lm	4425lm
	3230lm	6353lm
	3823lm	7320lm
Lm/W	104lm	110lm
	115lm	110lm
	109lm	103lm
CRI	Ra 80	
CCT	4000K	
Input	230V	
Hertz	50Hz	
Operating Temp	-10°C to 40°C	





Project - Source Park
Hastings, UK

Tornado 110V LED

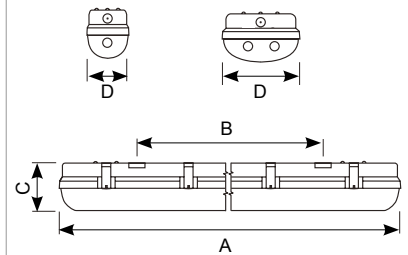
Supplied c/w Integral Driver



Stainless Steel Clips as standard



- LED Performance allows point-to-point replacement of existing fluorescent luminaires
- Suitable for all types of 110V site lighting
- Light output exceeds performance of T8 and T5 fluorescent
- Unique luminaire fixing clip design allows option of mounting onto BESA box
- Lockable heavy-duty stainless steel clips supplied as standard for added safety and security
- Self-test emergency as standard
- LED lifespan L70 30,000 hours
- Non-dimmable



Code	Lamp	Description	A	B	C	D
ATORLED2/110V	LED	10W	656	360	75	85
ATORLED4/110V	LED	20W	1266	860	75	85
ATORLED5/110V	LED	28W	1566	960	75	85
ATORLED2X2/110V	LED	20W	656	360	75	118
ATORLED2X4/110V	LED	40W	1266	860	75	118
ATORLED2X5/110V	LED	58W	1566	960	75	118

Options	Code	Description
	/M3	Self-Test Emergency
	/MWS	Integral Microwave Sensor

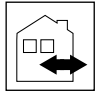
LED Information

Total (Watts)	10W	20W
	20W	40W
	28W	58W
Lumens Delivered	1164lm	2297lm
	2088lm	4225lm
	3230lm	6353lm
Lm/W	118lm	118lm
	104lm	110lm
	115lm	110lm
CRI	Ra 80	
CCT	4000K	
Input	100/240V	
Hertz	50Hz	
Operating Temp	-10°C to 40°C	

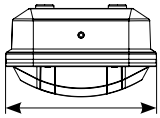


Sleek LED 110V Polycarbonate Bulkhead

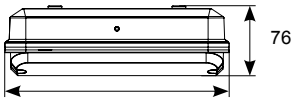
Supplied c/w Integral Driver



- All polycarbonate multi-purpose bulkhead
- Exceeds performance of 9W PL
- Unique Visiluxe diffuser allows 90% light transmission from LED source for increased performance
- Suitable for all types of site lighting
- Instant light output and unlimited switching
- Red diffuser accessory available for applications that require warning indication luminaires
- LED lifespan L70 56,000 hours
- Non-dimmable



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LED Information

Total (Watts)	5W
Lumens Delivered	424lm
Lm/W	85lm
CRI	Ra 80
CCT	4000K
Input	110V
Hertz	50Hz
Operating Temp	-10°C to 40°C



Sleek 110V fitted with red polycarbonate Lens accessory

	Code	Lamp	Description
	ASBLED/110V	LED	5W - Yellow Base
Options	/PC		Electronic Photocell
	/MWS		Integral Microwave Sensor
Accessory	ASBLED/DIFF/RED		Red Polycarbonate Lens

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



Installation Features



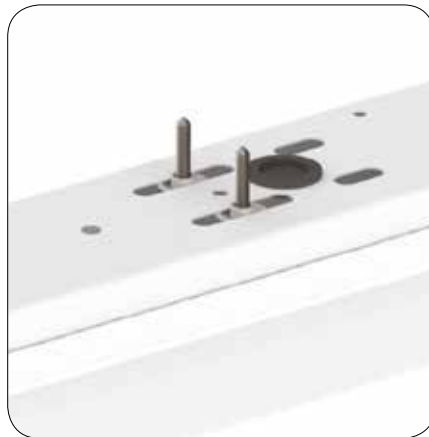
Push Release End Cap



20mm Conduit Entry Facility



End Cap Fixing Option



**Ceiling Mounting
Continuous Fixings**

- *Push and release end cap for quick access*

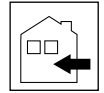
- *Connection option via 20mm conduit entry*

- *Optional fixing through end cap if required*
- *BESA box fixing as standard*

- *Unique ceiling mounting 'shunt' facility provides installer with flexibility and ease of adjustment when continuous mounting*

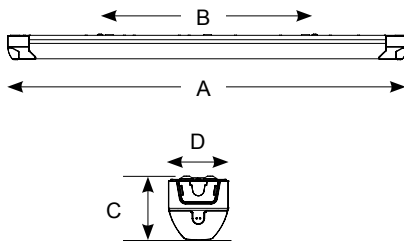
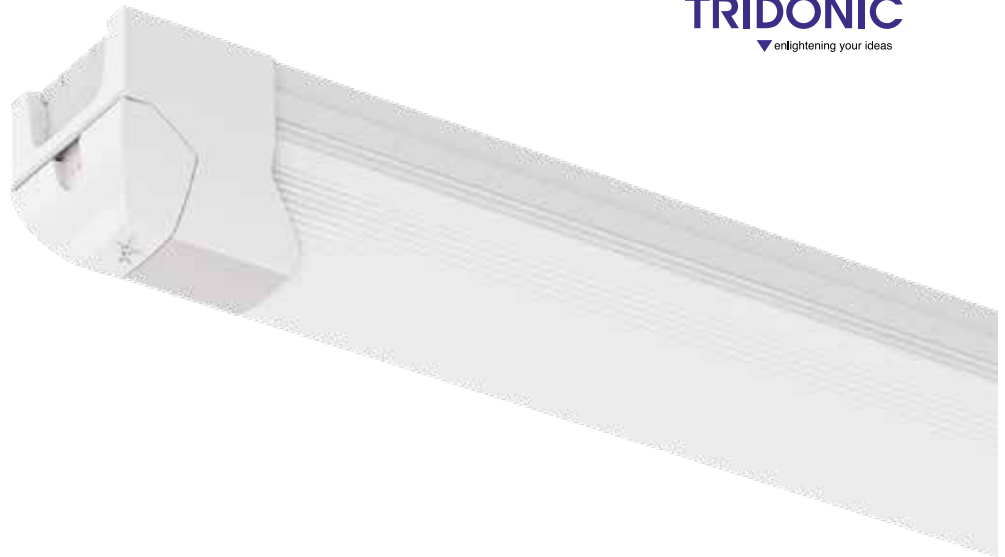
Airbeam LED Batten

Supplied c/w Integral Driver



- High performance LED batten for multi-purpose applications
- Up to 56% energy saving compared to T8 fluorescent
- Steel body construction with powder coat finish
- Polycarbonate reeded diffuser and end caps
- Instant light output with unlimited switching
- Self-test emergency as standard
- CorridorFUNCTION for dimmable microwave sensor models
- LED lifespan L70 56,000 hours

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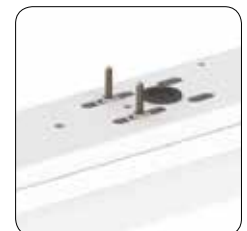
Push Release End Cap



20mm Conduit Entry Facility



End Cap Fixing Option



Ceiling Mounting Continuous Fixings

LED Information

Total (Watts)	24W	52W
	33W	61W
	42W	84W
Lumens Delivered	2778lm	5517lm
	3608lm	6407lm
	4189lm	7910lm
Lm/W	116lm	106lm
	109lm	105lm
	100lm	94lm
CRI	Ra 80	
CCT	4000K	
Input	230V	
Hertz	50Hz	
Operating Temp	0°C to 25°C	

	Code	Lamp	Description	A	B	C	D
Standard	ABLED4	LED	1 x 24W	1220	600	77	76
	ABLED5	LED	1 x 33W	1525	600	77	76
	ABLED6	LED	1 x 42W	1820	600	77	76
	ABLED2X4	LED	1 x 52W	1220	600	77	76
	ABLED2X5	LED	1 x 61W	1525	600	77	76
	ABLED2X6	LED	1 x 84W	1820	600	77	76

Options	/M3	Self-Test Emergency
	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4 - ABLED2X6 Not Available)
	/MWS	Integral Microwave Sensor

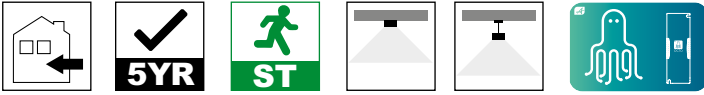


Warrington: +44 (0) 1942 433333
Belfast: +44 (0) 2890 773750



Topline 6 LED Batten

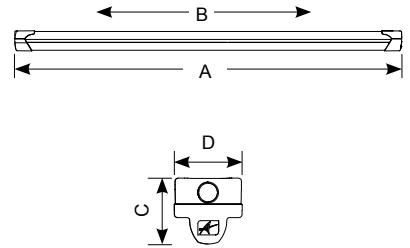
Supplied c/w Integral Driver



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- High performance LED batten for multi-purpose applications
- Exceeds performance of T5 equivalents
- Steel body construction with powder coat finish
- Unique opal diffuser design for optimum performance and light distribution
- Polycarbonate end caps
- Instant light output with unlimited switching
- Self-test emergency as standard
- LED lifespan L70 36,000 hours



Code	Lamp	Description	A	B	C	D
ATLLED4	LED	29W - Cool White	1220	600	65	65
ATLLED5	LED	35W - Cool White	1525	600	65	65
ATLLED6	LED	41W - Cool White	1745	600	65	65
ATLLED2X4	LED	49W - Cool White	1220	600	65	65
ATLLED2X5	LED	66W - Cool White	1525	600	65	65
ATLLED2X6	LED	83W - Cool White	1745	600	65	65

Options	/M3	Self-Test Emergency
	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)

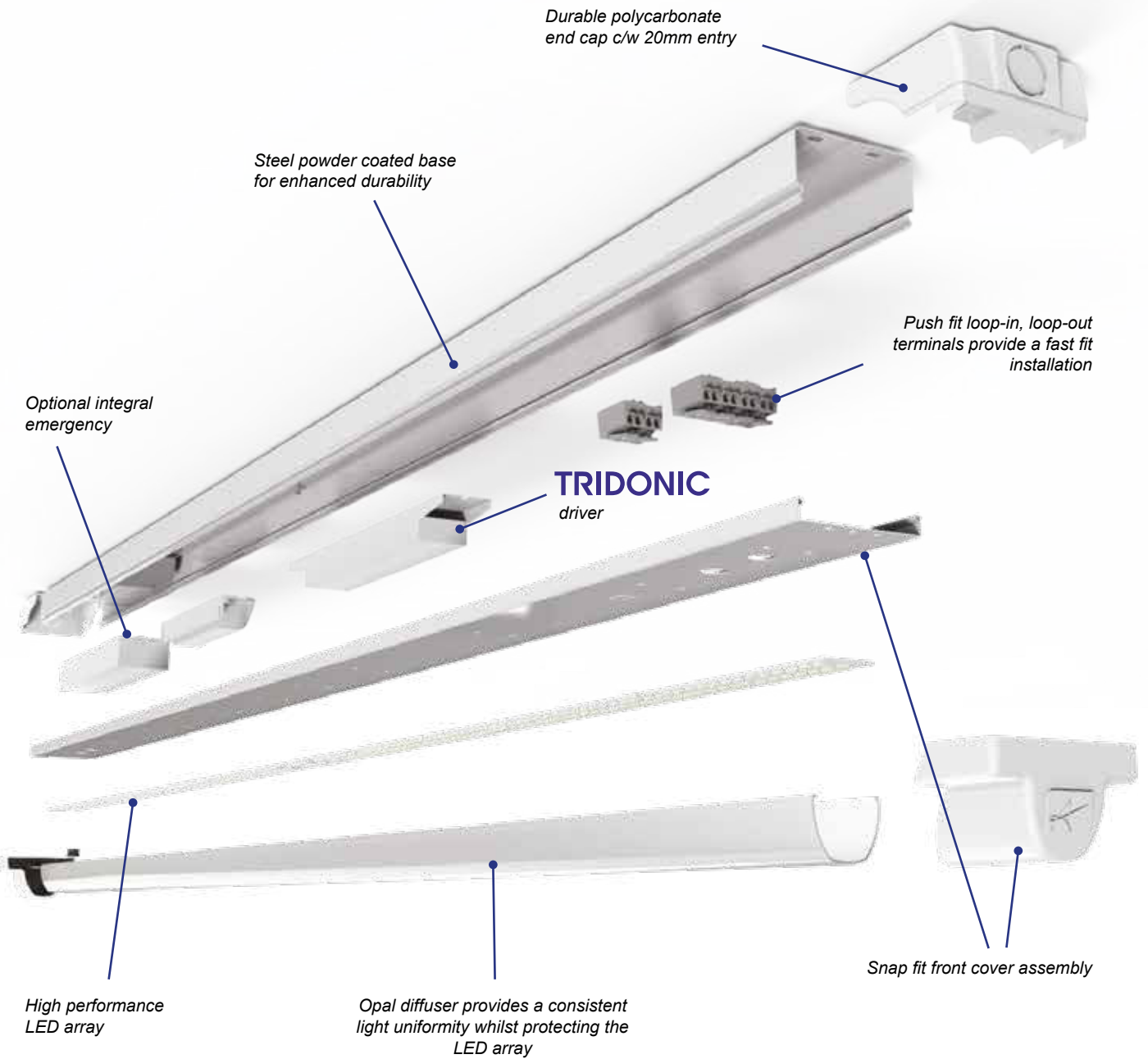
LED Information

Total (Watts)	29W	49W
	35W	66W
	41W	83W
Lumens Delivered	2874lm	5085lm
	3745lm	6514lm
	4372lm	9003lm
Lm/W	99lm	104lm
	107lm	99lm
	107lm	108lm
CRI	Ra 80	
CCT	4000K	
Input	220/240V	
Hertz	50Hz	
Operating Temp	-10°C to 40°C	



TOP LINE 6™

LED Batten







Project

*Dudley College of Technology
West Midlands, UK*



Endurance LED Panel p424

Commercial



409

*Otto CCT LED
Suspended Linear*



410

*Sidu LED
Suspended Linear*



411

*Vasco LED
Suspended Linear*



412

*Millau LED
Suspended Linear*



413

*Gemini LED
Surface Linear*



415

*Crescent LED
Surface Linear*



416

Suspended / Surface Linear



420

*Brooklyn LED
Bi-directional Panel*



421

*Spektrum LED CCT
Frame*

422



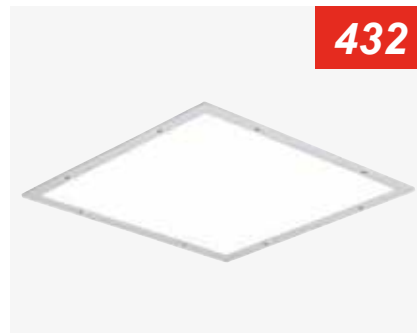
Recessed LED Panels

430



*Recessed LED
Panel Accessories*

432



*IP65 Defender LED
Recessed Clean Air*

433



Lota LED Troffer

434



*Gridline Duo LED
Recessed Indirect*

435



*Venus LED
Recessed Indirect*

436

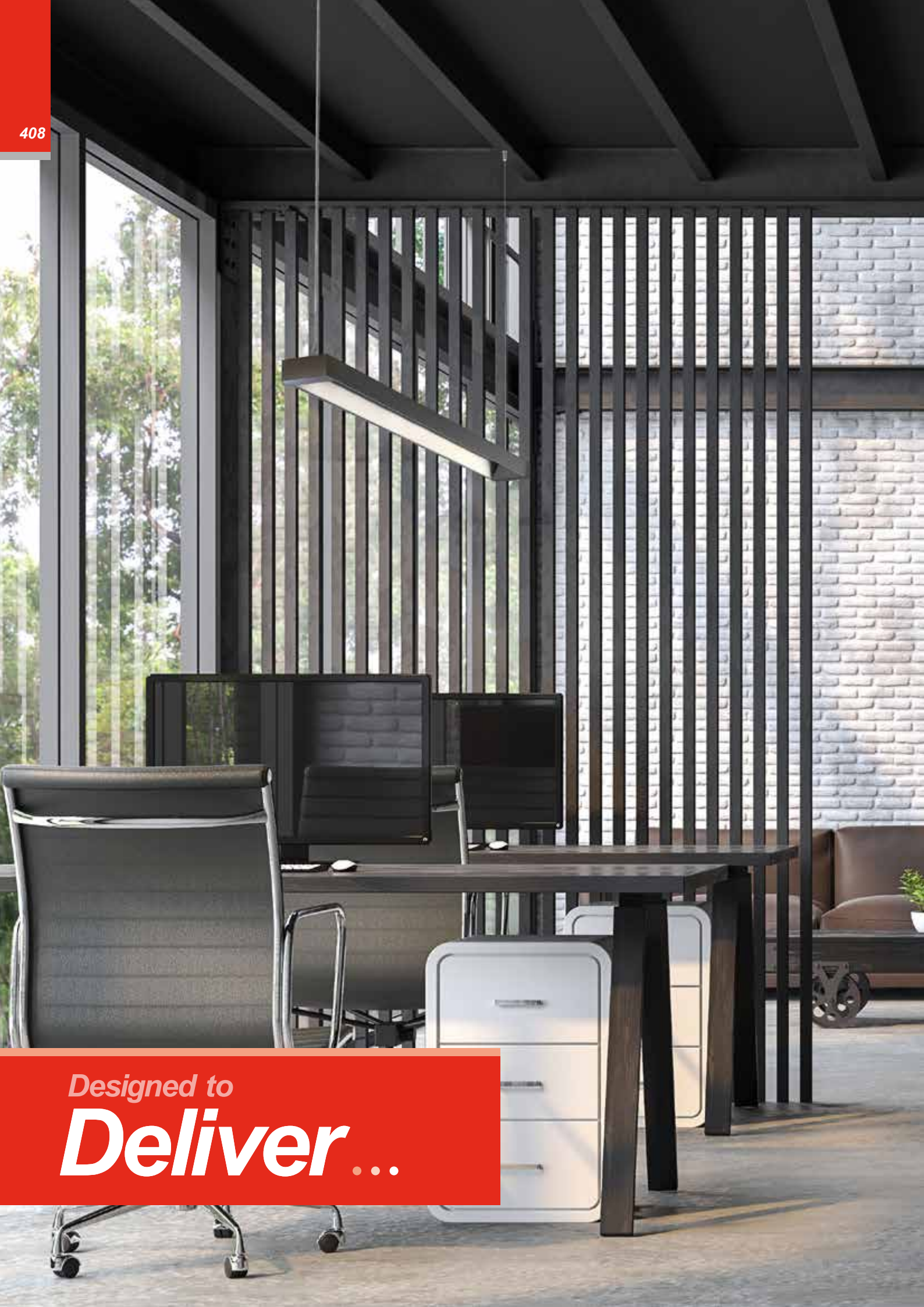


*Neptune CCT LED
Troffer*

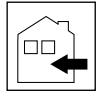
437



Pluto LED



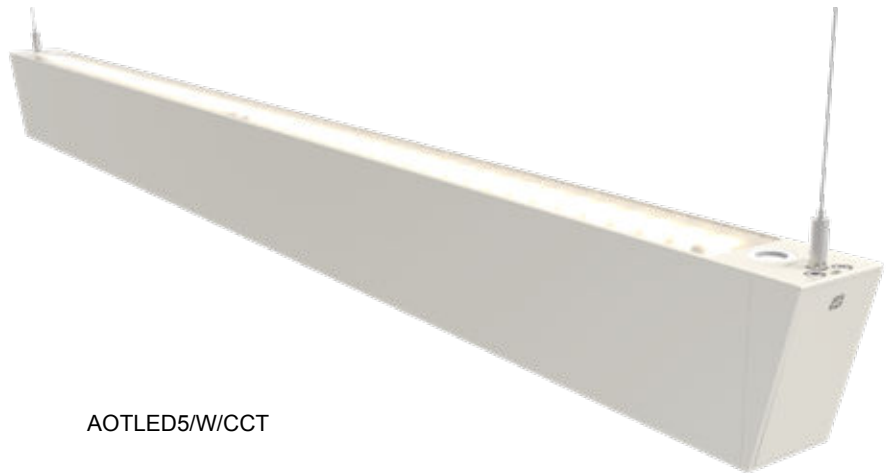
Designed to
Deliver...



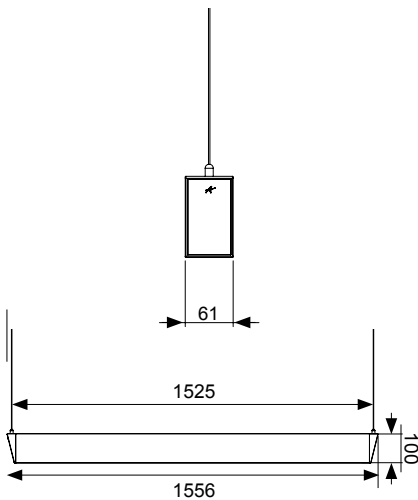
- Architectural suspended linear for office, retail and educational applications
- Die-Cast aluminum end caps
- Slim profile available in White (RAL9010) and Aluminium (RAL9006)
- Selectable CCT between 3000K and 4000K output
- Supplied bi-directional light output as standard (directional only option can be selected if required)
- Suitable for individual or continuous suspension
- Supplied c/w 1.5m suspension kit as standard
- Outperforms 28W and T5 fluorescent equivalent
- Through wiring as standard
- LED lifespan LM80 42,000 hours



AOTLED5/CCT



AOTLED5/W/CCT



LED Information

Total (Watts)	45W	86W
Lumens Delivered		
Cool White	4052lm	7487lm
Warm White	3861lm	7185lm
Lm/W		
Cool White	92lm	86lm
Warm White	86lm	84lm
CRI		Ra 80
CCT		4000K 3000K
Input		230V
Hertz		50/60Hz
Operating Temp		-25°C to 50°C

	Code	Lamp	Description
Bi-Directional	AOTLED5/CCT	LED	45W - Cool White/Warm White - Aluminium
	AOTLED2X5/CCT	LED	86W - Cool White/Warm White - Aluminium
	AOTLED5/W/CCT	LED	48W - Cool White/Warm White - Matt White
	AOTLED2X5/W/CCT	LED	84W - Cool White/Warm White - Matt White

Options	Code	Description
	/M3	Self-Test Emergency
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)
	/MWS	Integral Microwave Sensor

Accessory	AOTLED/90B	90° Corner Connector
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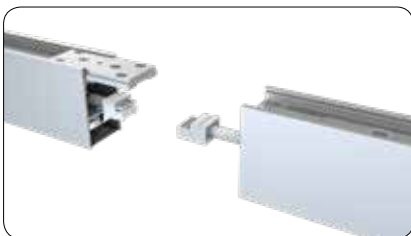
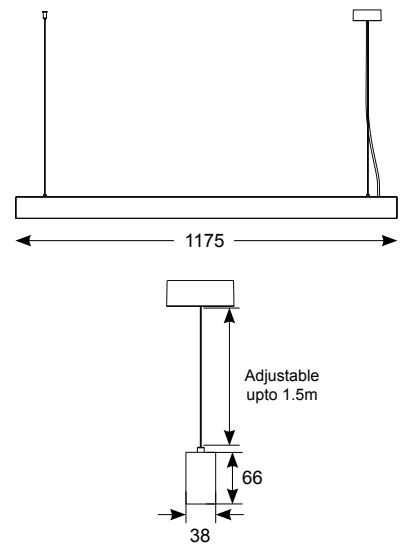
Sidu LED Pendant

Supplied c/w Integral Driver and Suspension Kit

410



- Aluminium bi-directional suspended pendant with polycarbonate diffuser
- Suitable for office, retail and commercial applications
- Suitable for individual or continuous suspension (link bracket included)
- Slim profile available in Aluminium (RAL9006)
- Exceeds performance of 2x28W T5
- Supplied c/w 1.5m adjustable suspension kit as standard
- Bi-directional light output split equally
- Black polycarbonate micro reflector design helps achieve UGR<6 (unified glare rating) compliant luminaire ideal for most interior lighting applications
- LED lifespan L70 50,000 hours
- 1-10V dimmable as standard



Easy connection for continuous applications



Supplied c/w 1.5m suspension kit

Code	Lamp	Description
ASIDLED/CW	LED	49W - Cool White

LED Information

Total (Watts)	49W
Lumens Delivered	5209lm
Lm/W	106lm
CRI	Ra 80
CCT	4000K
Input	100/240V
Hertz	50/60Hz
Operating Temp	-20°C to 45°C



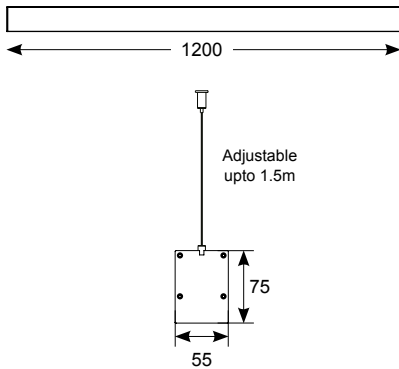
Vasco LED Suspended Linear

Supplied c/w Integral Driver and Suspension Kit



411

- Suspended linear for commercial applications
- Aluminium extruded construction with integral driver
- Exceeds performance of 2 x 28W T5
- Opal diffuser provides optimal light uniformity
- Pre-wired with 1.5 metre cable
- Adjustable suspension points c/w suspension kit
- LED lifespan L70 50,000 hours



LED Information

Total (Watts)	23W
Lumens Delivered	2014lm
Lm/W	88lm
CRI	Ra 80
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 45°C

Code	Lamp	Description
AVASLED	LED	23W - Cool White - Aluminium
AVASLED/B	LED	23W - Cool White - Black



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Millau LED CCT Suspended Linear

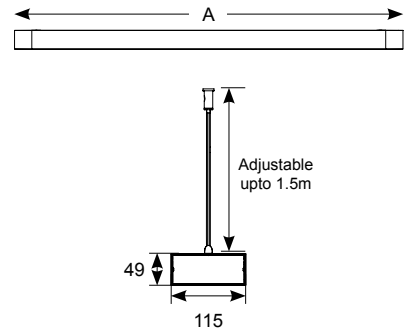
Supplied c/w Integral Driver and Suspension Kit

412



Integrated switch for choice between Warm White, Cool White and Daylight

- Architectural suspended linear for commercial applications
- Black powder coated die-cast aluminium construction provides a modern and sleek appearance
- Selectable CCT between 3000K, 4000K and 6000K output
- Internal mirrored reflector and opal diffuser provide optimum distribution and light output
- 48W Comparable to 2 x 28W T5
- 58W exceeds performance of 2 x 35W T5
- Supplied with 1.5 metre suspension kit including ceiling rose
- LED lifespan L70 50,000 hours
- Non-dimmable



LED Information

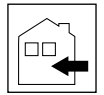
Total (Watts)	38W	58W
Lumens Delivered		
Cool White	3280lm	5317lm
Warm White	3153lm	5157lm
Daylight	3292lm	5334lm
Lm/W		
Cool White	88lm	96lm
Warm White	82lm	90lm
Daylight	87lm	94lm
CRI	Ra 80	
CCT	4000K 3000K 6000K	
Input	230V	
Hertz	50Hz	
Operating Temp	-20°C to 45°C	

Code	Lamp	Description	A
AMILLED4	LED	38W - 3000K/4000K/6000K	1222
AMILLED5	LED	58W - 3000K/4000K/6000K	1622



Gemini LED Linear

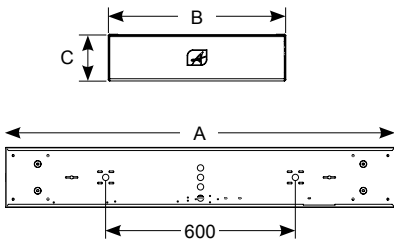
Supplied c/w Integral Driver



413

- High specification fully enclosed linear luminaire
- Microprism diffuser for enhanced photometric performance
- Robust steel construction
- Suitable for surface and suspension
- Ideal for most commercial and educational applications
- LED lifespan L70 65,000 hours

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LED Information

Total (Watts)	40W 54W
Lumens Delivered	
40W	4448lm
54W	5291lm
Lm/W	
40W	108lm
54W	98lm
CRI	Ra 80
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 50°C

Code	Lamp	Description	A	B	C
AGELED2X4	LED	40W	1230	190	55
AGELED2X5	LED	54W	1510	190	55

Option	/M3	Emergency
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)

Accessory ASK1	Suspension Kit 1.3m
-----------------------	---------------------



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Push fit loop-in, loop-out terminals provides a fast fit installation

Steel powder coated base for enhanced durability

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High performance LED array

Matt aluminium reflector for optimum glare control

High specification PC diffuser offering excellent transmission and uniformity



Crescent LED Surface Linear

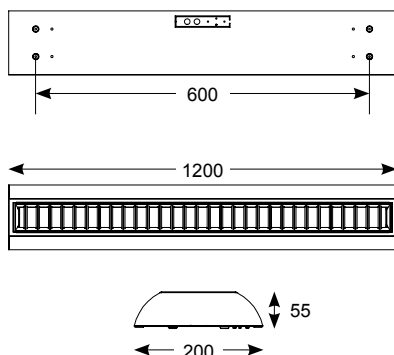
Supplied c/w Integral Driver



415

- High specification fully enclosed linear luminaire
- Steel powder coated body for enhanced durability
- Polycarbonate diffuser and polished louvre for excellent photometric performance
- Suitable for surface mounting and suspension
- Exceeds performance of 2x35W T5
- Ideal for most commercial and educational applications
- LED lifespan L70 54,000 hours

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LED Information

Total (Watts)	42W
Lumens Delivered	4497lm
Lm/W	107lm
CRI	Ra 80
CCT	4000K
Input	220V-240V
Hertz	50Hz
Operating Temp	-20°C to 50°C

Code	Lamp	Description	FPL
ACRESLED2X4	LED	42W - Cool White	600
Option	/M3	Emergency	
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)	
Accessory	ASK1	Suspension Kit 1.3m	



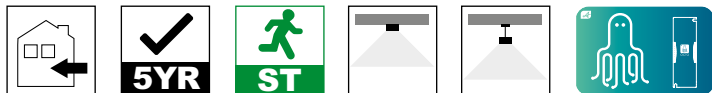
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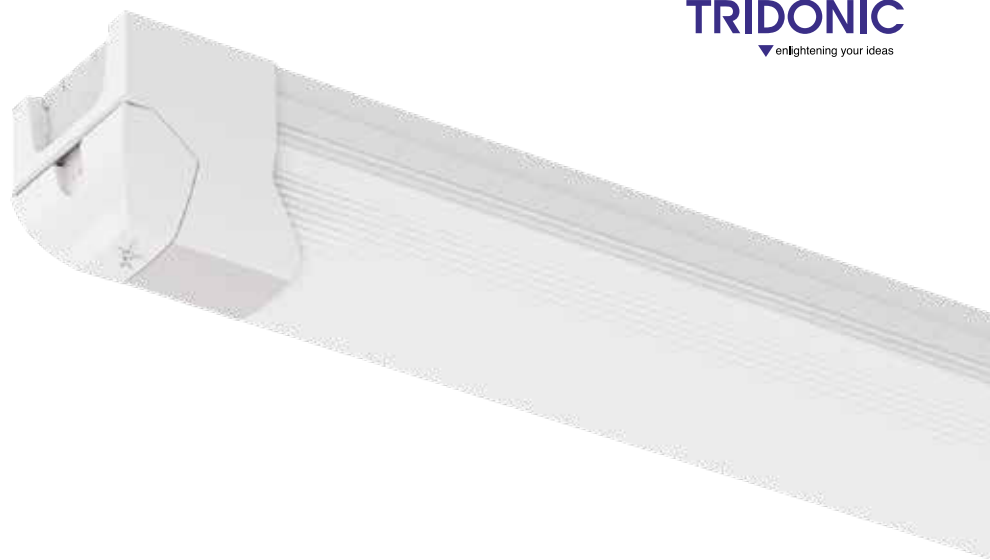
Airbeam LED Batten

Supplied c/w Integral Driver

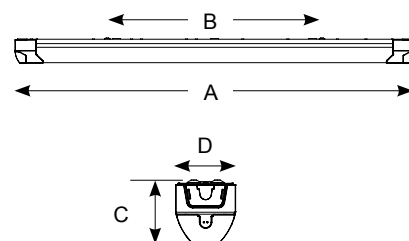
416



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- High performance LED batten for multi-purpose applications
- Up to 56% energy saving compared to T8 fluorescent
- Steel body construction with powder coat finish
- Polycarbonate reeded diffuser and end caps
- Instant light output with unlimited switching
- Self-test emergency as standard
- CorridorFUNCTION for dimmable microwave sensor models
- LED lifespan L70 56,000 hours



Standard	Code	Lamp	Description	A	B	C	D
	ABLED4	LED	1 x 25W	1220	600	77	76
	ABLED5	LED	1 x 34W	1525	600	77	76
	ABLED6	LED	1 x 37W	1820	600	77	76
	ABLED2X4	LED	1 x 48W	1220	600	77	76
	ABLED2X5	LED	1 x 55W	1525	600	77	76
	ABLED2X6	LED	1 x 70W	1820	600	77	76

Options

/M3	Self-Test Emergency
/OCTO	OCTO Smart Control
/DD	Digital Dimming (DD1/DD2/DD3/DD4 - ABLED2X6 Not Available)
/MWS	Integral Microwave Sensor

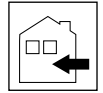
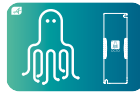
LED Information

Total (Watts)	25W	48W
	34W	55W
	37W	70W
Lumens Delivered	2778lm	5517lm
	3608lm	6407lm
	4189lm	7910lm
Lm/W	116lm	106lm
	109lm	105lm
	100lm	94lm
CRI	Ra 80	
CCT	4000K	
Input	230V	
Hertz	50Hz	
Operating Temp	0°C to 25°C	



Proline LED Surface Linear

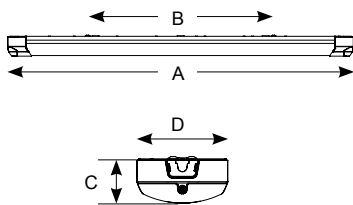
Supplied c/w Integral Driver



- Modern contemporary fully enclosed high performance surface luminaire
- Up to 56% energy savings compared to T8 fluorescent
- Steel powder coated body with reeded opal polycarbonate diffuser and retained end caps
- Low glare and uniform light distribution
- Ideal for most commercial and educational applications
- Self-test emergency as standard
- CorridorFUNCTION for dimmable microwave sensor options
- LED lifespan L70 56,000 hours

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Push Release End Cap



20mm Conduit Entry Facility



End Cap Fixing Option



Ceiling Mounting Continuous Fixings

LED Information

Total (Watts)	25W	49W
	33W	55W
	36W	70W
Lumens Delivered	2496lm	5097lm
	3440lm	6090lm
	4316lm	8029lm
Lm/W	100lm	98lm
	104lm	100lm
	114lm	101lm
CRI	Ra 80	
CCT	4000K	
Input	230V	
Hertz	50Hz	
Operating Temp	0°C to 25°C	

	Code	Lamp	Description	A	B	C	D
Standard	APRLED4	LED	1 x 25W	1220	600	73	148
	APRLED5	LED	1 x 33W	1525	600	73	148
	APRLED6	LED	1 x 36W	1820	600	73	148
	APRLED2X4	LED	1 x 49W	1220	600	73	148
	APRLED2X5	LED	1 x 55W	1525	600	73	148
	APRLED2X6	LED	1 x 70W	1820	600	73	148

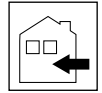
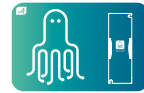
Options	/M3	Self-Test Emergency
	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4 - APRLED2X6 Not Available)
	/MWS	Integral Microwave Sensor





Oxford LED Surface Linear

Supplied c/w Integral Driver

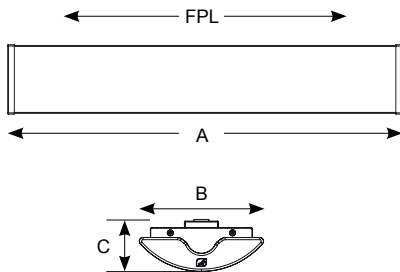


419

- Modern fully enclosed surface luminaire with curved low profile appearance
- This is a widely used style of fitting within the educational sector
- Steel body with polycarbonate diffuser and plastic end caps
- 23W exceeds performance of 1x35W T5
- 34W exceeds performance of 1x49W T5
- 38W exceeds performance of 2x28W T5
- 60W exceeds performance of 2x49W T5
- LED lifespan L70 54,000 hours
- Dimmable options



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LED Information

Total (Watts)	23W	34W
	38W	60W
Lumens Delivered	2944lm	3668lm
	4248lm	6552lm
Lm/W	128lm	108lm
	111lm	109lm
CRI	Ra 80	
CCT	4000K	
Input	230V	
Hertz	50/60Hz	
Operating Temp	-20°C to 50°C	

Code	Lamp	Description	A	B	C	FPL
AOXLED4	LED	23W - Cool White	1190	165	70	1084
AOXLED5	LED	34W - Cool White	1470	165	70	1384
AOXLED2X4	LED	38W - Cool White	1190	165	70	1084
AOXLED2X5	LED	60W - Cool White	1470	165	70	1364

Options	/M3	Emergency
	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)



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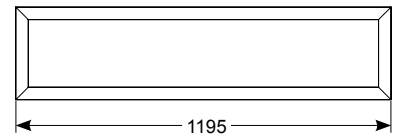
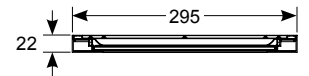
Brooklyn LED Bi-Directional Panel

Supplied c/w Integral Driver and Suspension Kit

420



- High performance bi-directional suspendable LED panel
- Integral LED driver provides a unique aesthetically pleasing design
- White anodised aluminium frame
- Supplied c/w 1.2m suspension kit as standard
- LED lifespan L70 50,000 hours
- 1-10V dimmable as standard



LED Information

Total (Watts)	36W
Lumens Delivered	3788lm
Lm/W	105lm
CRI	Ra 80
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 40°C

Code	Lamp	Description
ABROLED	LED	36W - Cool White



Spektrum LED CCT Panel Frame

Supplied c/w Integral Driver



- High performance minimalist LED panel frame for commercial and architectural applications
- Hollow illuminated frame allows installation of standard ceiling panel to sit inside frame and level with grid
- Integral switch allows the installer a choice of 3000K, 4000K and 6500K colour temperature options
- LED lifespan
L70 50,000 hours



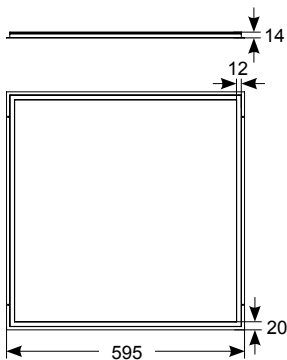
Cool White



Daylight



Warm White

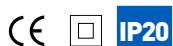


LED Information

Total (Watts)	28W
Lumens Delivered	
Cool White	2995lm
Warm White	2877lm
Daylight	3000lm
Lm/W	
Cool White	111lm
Warm White	103lm
Daylight	103lm
CRI	Ra 80
CCT	3000K 4000K 6500K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 45°C

Code	Lamp	Description
ASPELED/60/CCT	LED	28W - Warm White/ Cool white / Daylight

Options	Code	Description
	/M3	Emergency
	/SM3	Self-Test Emergency
	/DM3	Dali Emergency
	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)



Infinite LED Recessed Panel

Supplied c/w Remote Driver

422



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Surface Mounting Frame for LED Panel
(shown with Panel Pod installed)

Code	Lamp	Description
AIRMLD/CW	LED	35W - Cool White
AIRMLD/WW	LED	35W - Warm White
Emergency AIRMLD/POD/3NM/ST	LED	5W - Panel Pod Self-Test Emergency
Sensor AIRMLD/POD/MWS		1W - Microwave Sensor
Option /OCTO		OCTO Smart Control
/DD		Digital Dimming (DD1/DD2/DD3/DD4)
Accessories AIRMLD/SMF		Surface Mounting Frame (L600mm x W600mm x D75mm)
AIRMLD/PRK		Plasterboard Recessing Kit (Cut-out 615x615mm)
AIRMLD/SK		2 Metre Suspension Kit
AEQTCC/600		Equaliser 600x600 Temperature Regulator

- High performance LED flat panel which outperforms 3x14W T5
 - UGR<19 (unified glare rating) compliant luminaire ideal for most interior lighting applications
 - Maintenance free instant light output and unlimited switching
 - Panel Pod Self-Test emergency option
 - Panel Pod sensor option
 - TPb as standard
 - LED lifespan L70 40,000 hours
 - Dimmable options
- * 7 Year Warranty applies to fittings registered online (5 Year Warranty for unregistered fittings)

Dimensions (mm)
L595 x W595 x H10

See p430 for more information on Panel Pod Emergency and Panel Pod Sensor

LED Information

Total (Watts)	35W
Lumens Delivered	
Cool White	3300lm
Warm White	3100lm
Lm/W Cool White	94lm
Lm/W Warm White	88lm
CRI Cool White	Ra 80
CCT Cool White	4750K
CCT Warm White	3500K
Input	230V
Hertz	50Hz
Operating Temp	-10°C to 40°C



* Subject to ceiling/installation types
* Not applicable to surface/suspended applications

Eddie Stobart
Carlisle Airport DC

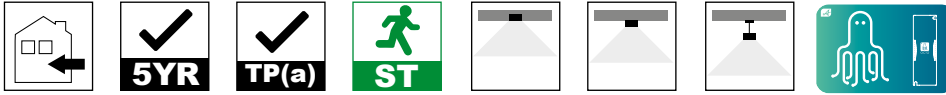
Stobart

Project - Eddie Stobart
Carlisle, UK

Endurance LED TPa UGR>19 Recessed Panel

Supplied c/w Remote Driver

424



Surface Mounting Frame for LED Panel (shown with Panel Pod Emergency installed)



- High performance maintenance free LED panel
- TPa as standard
- UGR<19 (unified glare rating) compliant luminaire assisting to eliminate glare for visual comfort
- panel outperforms 3x14W T5
- Cool white, warm white and daylight options
- White anodised aluminium frame for visual compatibility with ceiling grid
- Low glare and even light distribution for multiple applications
- Panel Pod Self-Test emergency option
- Panel Pod sensor option
- Surface mounting frame option
- Supplied c/w Philips LED driver
- LED lifespan L70 60,000 hours

AERMLED3/60 Dimensions (mm)
L595 x W595 x H10

See p430 for more information on Panel Pod Emergency and Panel Pod Sensor

Code	Lamp	Description
AERMLED3/60/CW	LED	30W - Cool White
AERMLED3/60/WW	LED	30W - Warm White
AERMLED3/60/DL	LED	30W - Daylight

High Output	Code	Lamp	Description
	AERMLED3/HO/60/CW	LED	30W - Cool White
	AERMLED3/HO/60/WW	LED	30W - Warm White
	AERMLED3/HO/60/DL	LED	30W - Daylight

Emergency	AIRMLED/POD/3NM/ST	LED	5W - Panel Pod Self-Test Emergency
Sensor	AIRMLED/POD/MWS		1W - Microwave Sensor

Options	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD3)*

* DD2/DD4 available with alternative control gear

Accessories	AIRMLED/SMF	Surface Mounting Frame (L600mm x W600mm x D75mm)
	AIRMLED/PRK	Plasterboard Recessing Kit (Cut-out 615x615mm)
	AERMLED/SK	2 Metre Suspension Kit
	AEQTCC/600	Equaliser 600x600 Temperature Regulator

LED Information

Total (Watts)	30W	HO
Lumens Delivered		
Cool White	2953lm	3742lm
Warm White	2873lm	3610lm
Daylight	2938lm	3725lm
Lm/W Cool White	102lm	125lm
Lm/W Warm White	99lm	125lm
Lm/W Daylight	101lm	129lm
CRI	Ra 80	
CCT Cool White	4000K	
CCT Warm White	3000K	
CCT Daylight	6000K	
Input	230V	
Hertz	50Hz	
Operating Temp	-20°C to 40°C	



* Subject to ceiling/installation types
* Not applicable to surface/suspended applications



Panel Pod Compatible

Quickly and easily convert standard panel to either Self-Test Emergency or Microwave Sensor



LED board placement creates a more uniform distribution of light with no dark spots or shadowing.
LED lifespan L70 30,000 hours

Quick release POD cover for quick and easy installation of the Ansell self-test emergency Panel Pod

Philips CertaDrive LED driver

0.2mm steel back plate providing support and rigidity

Panel POD aperture. Panel POD compatible for all emergency and microwave sensor requirements and self-test as standard

0.188mm High efficient regulator sheet maximizing performance efficiency

5mm Pearl Wool supporting all panel layers into position

2mm MS LGP guarantee to maintain stipulated CCT throughout the lifetime of the product

Latest high efficiency SMD LED array

TP(a) fire retardant diffuser as standard suitable for all applications

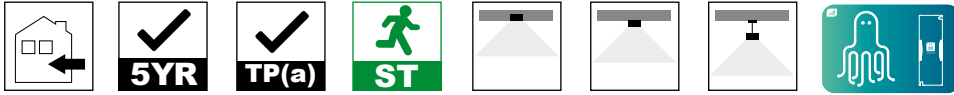
Reinforced steel powder coated frame for added rigidity



Endurance LED TPa Recessed Panel

Supplied c/w Remote Driver

426



Surface Mounting Frame for LED Panel (shown with Panel Pod Emergency installed)



- High performance maintenance free LED panel
- TPa as standard
- 30W panel outperforms 3x14W T5
- Low glare and even light distribution for multiple applications
- Cool white, warm white and daylight options
- White anodised aluminium frame for visual compatibility with ceiling grid
- Panel Pod Self-Test emergency option
- Panel Pod sensor option
- Surface mounting frame option
- Supplied c/w Philips LED driver
- LED lifespan L70 60,000 hours

AERMLED/260 Dimensions (mm)
L595 x W595 x H10

See p430 for more information on Panel Pod Emergency and Panel Pod Sensor

Code	Lamp	Description
AERMLED2/60/CW	LED	30W - Cool White
AERMLED2/60/WW	LED	30W - Warm White
AERMLED2/60/DL	LED	30W - Daylight

Emergency	AIRMLED/POD/3NM/ST	LED	5W - Panel Pod Self-Test Emergency
Sensor	AIRMLED/POD/MWS		1W - Microwave Sensor

Options	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD3)*

* DD2/DD4 available with alternative control gear

Accessory	AIRMLED/SMF	Surface Mounting Frame (L600mm x W600mm x D75mm)
	AIRMLED/PRK	Plasterboard Recessing Kit (Cut-out 615x615mm)
	AERMLED/SK	2 Metre Suspension Kit
	AEQTCC/600	Equaliser 600x600 Temperature Regulator

LED Information

Total (Watts)	30W
Lumens Delivered	
Cool White	3092lm
Warm White	2891lm
Daylight	3046lm
Lm/W Cool White	107lm
Lm/W Warm White	100lm
Lm/W Daylight	102lm
CRI	Ra 80
CCT Cool White	4000K
CCT Warm White	3000K
CCT Daylight	6000K
Input	230V
Hertz	50Hz
Operating Temp	-20°C to 40°C



* Subject to ceiling/installation types
* Not applicable to surface/suspended applications



Endurance LED TPa Recessed Panel

Supplied c/w Remote Driver

428



- High performance maintenance free LED panel
- TPa as standard
- 60W panel outperforms 3x28W T5
- Cool white, warm white and daylight options
- White anodised aluminium frame for visual compatibility with ceiling grid
- Low glare and even light distribution for multiple applications
- Panel Pod Self-Test emergency option
- Panel Pod sensor option
- Supplied c/w Philips LED driver
- LED lifespan L70 60,000 hours

AERMLED/120 Dimensions (mm)
L1195 x W595 x H10

See p430 for more information on Panel Pod Emergency and Panel Pod Sensor



Code	Lamp	Description
AERMLED2/120/CW	LED	58W - Cool White
AERMLED2/120/WW	LED	58W - Warm White
AERMLED2/120/DL	LED	58W - Daylight

Emergency	AIRMLED/POD/3NM/ST	LED	5W - Panel Pod Self-Test Emergency
Sensor	AIRMLED/POD/MWS		1W - Microwave Sensor

Option	/DD	Digital Dimming (DD1/DD2/DD3)
---------------	------------	-------------------------------

LED Information

Total (Watts)	58W
Lumens Delivered	
Cool White	5780lm
Warm White	5363lm
Daylight	5646lm
Lm/W Cool White	100lm
Lm/W Warm White	93lm
Lm/W Daylight	97lm
CRI	Ra 80
CCT Cool White	4000K
CCT Warm White	3000K
CCT Daylight	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 40°C



- * Subject to ceiling/installation types
- * Not applicable to surface/suspended applications

Endurance LED TPa Recessed Panel

Supplied c/w Remote Driver



- High performance maintenance free LED panel
- TPa as standard
- Cool white, warm white and daylight options
- White anodised aluminium frame for visual compatibility with ceiling grid
- Low glare and even light distribution for multiple applications
- Panel Pod Self-Test emergency option
- Panel Pod sensor option
- Supplied c/w Philips LED driver
- LED lifespan L70 60,000 hours



AERMLED2/30 Dimensions (mm)
L1195 x W295 x H10

See p430 for more information on Panel Pod Emergency and Panel Pod Sensor

LED Information

Total (Watts)	30W
Lumens Delivered	
Cool White	3234lm
Warm White	3187lm
Daylight	3211lm
Lm/W Cool White	104lm
Lm/W Warm White	103lm
Lm/W Daylight	107lm
CRI	Ra 80
CCT Cool White	4000K
CCT Warm White	3000K
CCT Daylight	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 40°C

	Code	Lamp	Description
	AERMLED2/30/CW	LED	30W - Cool White
	AERMLED2/30/WW	LED	30W - Warm White
	AERMLED2/30/DL	LED	30W - Daylight
Emergency	AIRMLED/POD/3NM/ST	LED	5W - Panel Pod Self-Test Emergency
Sensor	AIRMLED/POD/MWS		1W - Microwave Sensor
Options	/OCTO		OCTO Smart Control
	/DD		Digital Dimming (DD1/DD2/DD3)
Accessory	AERMLED/SK		2 Metre Suspension Kit



* Subject to ceiling/installation types
* Not applicable to surface/suspended applications



Panel Pod Emergency and Panel Pod Sensor

For Infinite and Endurance LED Panels

430



Panel Pod™
Emergency



AIRMLED/POD/3NM/ST



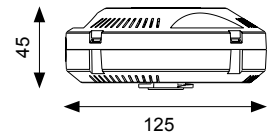
Panel Pod™
Sensor



AIRMLED/POD/MWS

Emergency Panel Pod

- Integral Self-Test emergency pod to convert any new Infinite LED and Endurance LED panel to emergency, instantly
- Simple, quick twist and lock fixing
- Supplied with a pre-wired 1 Metre cable for ease of installation
- Tri-colour LED shows green for healthy running condition, red/flashing for fault conditions and white for emergency operation
- **UK Patent No. GB2522285**
- **European Patent No. 1516562.7**
- **Irish Patent No. 2015/0128**
- **EC Registered Design No 002712232-0001**

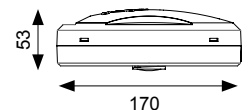


LED Information

Total (Watts)	5W
Lumens Delivered	189lm
Beam Angle	120°
CCT	6500K
Input	230V
Operating Temp	0°C to 45°C

Sensor Panel Pod

- Converts Ansell Infinite and Endurance LED panels to microwave sensor operation
- Provides detection area of 360° with a detection angle of 120°
- Simple twist and lock connection
- Pre-wired 300mm 4-core flex for easy installation
- Fast and efficient installation
- Adjustable time delay and distance
- **UK Patent Applied For No. 1504205.4**
- **EC Registered Design No 002712232-0001**



Code	Lamp	Description
Emergency AIRMLED/POD/3NM/ST	LED	5W - Panel Pod Self-Test Emergency
Sensor AIRMLED/POD/MWS		1W - Microwave Sensor

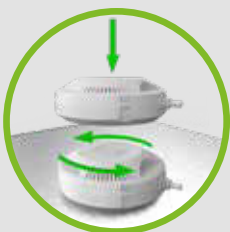
Panel Pod



Pre-wired 1 metre cable *

As standard ensuring a fast and easy installation

** 300mm for Panel Pod Sensor*



Twist and Lock Connection

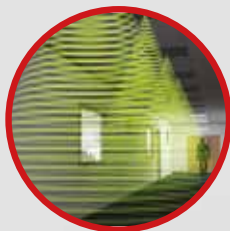
Provides a secure connection and easy installation



Self-Test as standard *

Provides instant indication to status of emergency module and lamp, negating the need for manual monthly and annual checks

** Panel Pod Emergency only*



Detection Area and Angle

360° detection area with 120° detection angle ensures



Defender LED IP65 Clean Air Recessed Modular

Supplied c/w Integral Driver

432



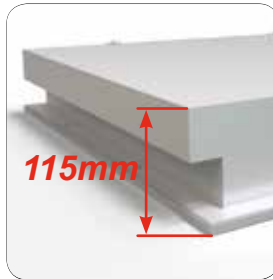
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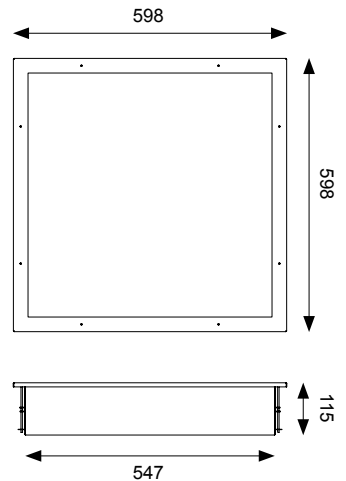
- Sealed LED luminaire to endure arduous environments
- High quality steel housing with welded frame and secured by Easy Fix style brackets
- Frame fitted with TP(a) rated diffuser providing excellent diffusion and outstanding light transmission
- Suitable for areas such as laboratories, hospitals, clean rooms, kitchens and showers
- LED lifespan L70 56,000 hours



Easy Fix style bracket



115mm depth



LED Information

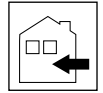
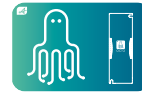
Total (Watts)	49W
Lumens Delivered	4660lm
Lm/W	95lm
CRI	Ra 80
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 50°C

Code	Lamp	Description
ADELED	LED	49W - Cool White
Options	/M3	Emergency
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)



Lota LED CCT Troffer

Supplied c/w Integral Driver



433

- High performance indirect recessed luminaire
- UGR<19 (unified glare rating) compliant luminaire ideal for most interior lighting applications
- Ideal for office or commercial applications
- Selectable CCT between 3000K, 4000K and 6000K output
- Exceeds performance of 2x40W PL-L
- Powder coated steel construction
- LED lifespan L70 30,000 hours
- TP(a) as Standard



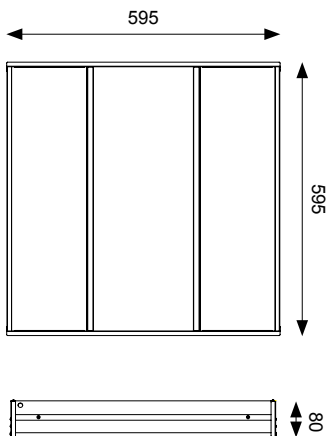
Cool White



Daylight



Warm White



LED Information

Total (Watts)	29W
Lumens Delivered	
Warm White	3051lm
Cool White	3178lm
Daylight	3174lm
Lm/W	
Warm White	98lm
Cool White	106lm
Daylight	103lm
CRI	Ra 80
CCT	
Warm White	3000K
Cool White	4000K
Daylight	6000K
Input	230V
Hertz	50/60Hz
Operating Temp	-10°C to 40°C

Code	Lamp	Description
ALOTLED	LED	29W - Cool White/ Warm White/ Daylight

Options	Code	Description
	/M3	Emergency
	/SM3	Self-Test Emergency
	/DM3	DALI Emergency
	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)



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



Gridline Duo LED Indirect Recessed Modular

Supplied c/w Integral Driver, Louvre and Opal Diffuser

434



Visiluxe Diffuser Fitted

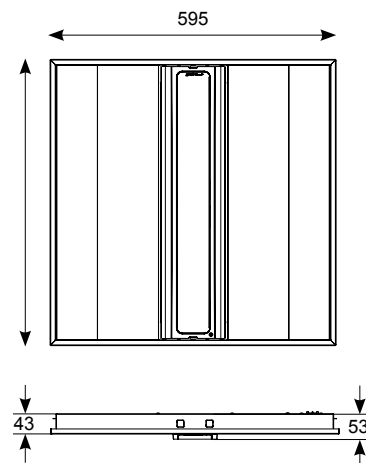
GRIDLINE™
DUO

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Chrome Trim Louvre Fitted

- Shallow 2-In-1 LED direct / indirect recessed luminaire with outstanding efficiency characteristics
- Each fitting supplied with chrome central louvre and high transmission diffuser options (high gloss black or white central louvres available as optional accessories)
- Up to 70% saving compared to 2x55W PL-L
- Quick access termination point for rapid installation
- Instant light output and unlimited switching
- Self-test emergency as standard
- Small unobtrusive microwave sensor option
- CorridorFUNCTION for dimmable microwave sensor options
- LED lifespan L70 56,000 hours



Code	Lamp	Description
AGDLED	LED	37W - Cool White
Options	/M3	Self-Test Emergency
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)
	/MWS	Integral Microwave Sensor
Accessories	AGDLED/WLA	High Gloss White Louvre Trim
	AGDLED/BLA	High Gloss Black Louvre Trim
	AIRMLD/PRK	Plasterboard Recessing Kit (Cut-out 608x608mm)

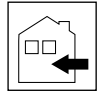
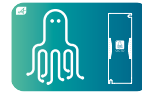
LED Information

Total (Watts)	37W
Lumens Delivered	3300lm
Lm/W	89lm
CRI	Ra 80
CCT	4000K
Input	230V
Hertz	50Hz
Operating Temp	0°C to 25°C



Venus LED Indirect

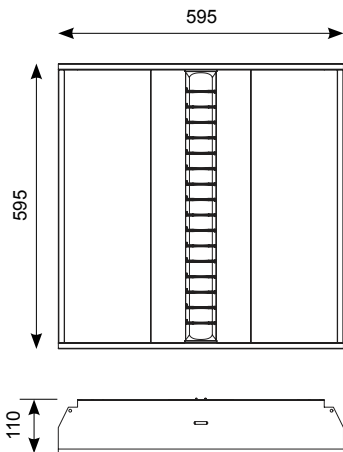
Supplied c/w Integral Driver



435

- High performance indirect recessed luminaire with outstanding efficiency characteristics
- Comparable performance to 3x14W T5
- Instant light output and unlimited switching
- Quick access termination point for ease of installation
- Powder coated welded steel box construction for lay in applications only
- LED lifespan L70 54,000 hours

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Quick Access Termination Point (Push Fit Terminals)



Mirrored Internal Reflector For Enhanced Distribution

LED Information

Total (Watts)	40W
Lumens Delivered	3926lm
Lm/W	98lm
CRI	Ra 80
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 50°C



Code	Lamp	Description
AVENLED	LED	40W - Cool White

Options	Code	Description
	/M3	Emergency
	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)

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Neptune LED CCT Troffer

Supplied c/w Integral Driver

436



Cool White



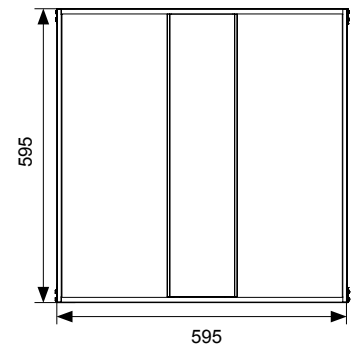
Daylight

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Warm White

- High performance indirect recessed luminaire
- Selectable CCT between 3000K, 4000K and 6000K output
- Ideal for office or commercial applications
- Exceeds performance of 2 x 40W PL-L
- Powder coated steel construction
- LED lifespan L70 50,000 hours



LED Information

Total (Watts)	36W
Lumens Delivered	
Warm White	3564lm
Cool White	3796lm
Daylight	3767lm
Lm/W	
Warm White	99lm
Cool White	108lm
Daylight	102lm
CRI	Ra 80
CCT	
Warm White	3000K
Cool White	4000K
Daylight	6000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 45°C

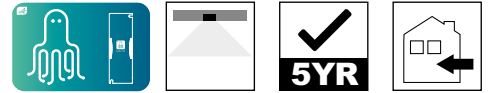
Code	Lamp	Description
ANEPLD	LED	36W - Warm White/Cool White/Daylight

Options	/M3	Emergency
	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)

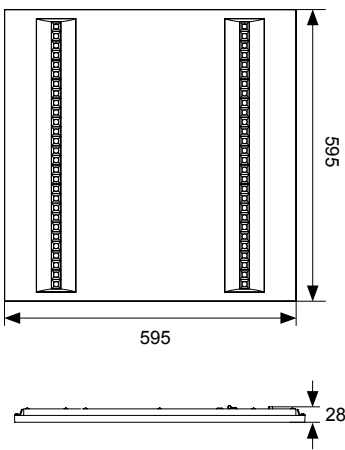


Pluto LED

Supplied c/w Integral Driver



- Stylish LED recessed modular
- UGR>14 (unified glare rating) compliant Ideal for office, school, retail and commercial applications
- Exceeds performance of 2 x 55W PL-L
- LED lifespan L70 50,000 hours



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LED Information

Total (Watts)	35W
Lumens Delivered	3591lm
Lm/W	112lm
CRI	Ra 80
CCT	4000K
Input	230V
Hertz	50/60Hz
Operating Temp	-20°C to 45°C



Code	Lamp	Description
APLULED	LED	35W - Cool White
Options	/M3	Emergency
	/OCTO	OCTO Smart Control
	/DD	Digital Dimming (DD1/DD2/DD3/DD4)

Warrington: +44 (0) 1942 433333
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Project

*Coxmoor Golf Club -
Sutton-in-Ashfield, UK*



Guardian LED

p445

Emergency

443



IP65 Bulkheads

452



Exit Boxes

456



Suspended Edge

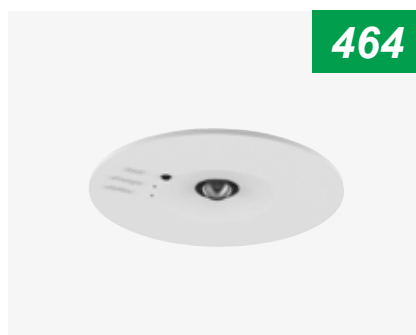
458



IP65 Surface/Recessed Edge



Twin Spots



LED Emergency Downlights



Panel Pod Emergency



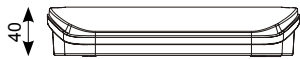
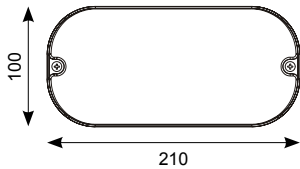
Designed to
Deliver...

Swift LED Bulkhead

Supplied c/w Legend and Integral Driver



- Small and unobtrusive LED bulkhead
- Supplied with self-adhesive legend
- Optic design provides optimum performance for escape route lighting
- Side and rear cable entries
- Screwless gear tray for ease of installation
- Viewing distance 17 metres



- * 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself.
- ** 0.5 lux minimum must be used for all areas larger than 60m², the minimum value is to be measured across the area excluding 0.5m border around edge of room.
- *** Explanation of terms;
Transverse – wall - distance to wall from to side of fitting,
Transverse – transverse - side to side spacing,
Axial – wall - distance to wall from end of fitting,
Axial – axial - end to end spacing.

		Escape route 2 metres wide (1 Lux minimum) *				

Mounting Height (M)		Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
2.5		1.48	5.9	1.48	5.8	
4		1.2	4	0.72	4.5	
6		-	-	-	-	

		Open (Anti-Panic) area (0.5 Lux Minimum) **				

Mounting Height (M)		Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
2.5		2.35	6	1.98	6	
4		2.24	7.5	1.98	6	
6		2.24	5.9	1.98	5.79	

LED Information

Total (W)	3W
Lumens Delivered	
Emergency Mode	69lm
Standard Mode	163lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

Code	Lamp	Description
ASWTLED/3M	LED	3W Maintained / Non-Maintained

Accessory	ASBP/1	3.6V 600mAh Ni-Cd Replacement Battery
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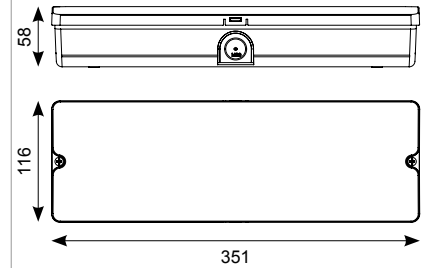
Monarch LED Lithium Bulkhead

Supplied with Legend and Integral Driver

444



- Ultra-slim profile LED polycarbonate self-test bulkhead
- LiFePO4 Lithium battery provides improved energy consumption, product reliability and lifetime
- Supplied with self-adhesive legend
- 20mm side, end and rear cable entries
- Hinged screwless gear tray for ease of installation
- Viewing distance 18 metres



Escape route 2 metres wide (1 Lux minimum) *					

Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
2.5	1.9	5	1.8	5	
4	0.6	2.8	0.5	2.8	
6	-	-	-	-	

Open (Anti-Panic) area (0.5 Lux Minimum) **					

Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
2.5	2.2	5.5	2.2	5.5	
4	2.8	6	2.8	6	
6	1.5	6	1.5	6	

	Code	Lamp	Description
Self-Test	AMOLED/LI/3M/ST	LED	3W Maintained / Non-Maintained
Accessory	ASBP/18	3.2V 1500mAh Li-FePO4 Lithium Replacement Battery	

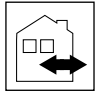
LED Information

Total (W)	3W
Lumens Delivered	
Emergency Mode	119lm
Standard Mode	77lm
CCT	6000K
Input	220-240V
Hertz	50Hz
Operating Temp	5C° to 40C°



Guardian LED Bulkhead

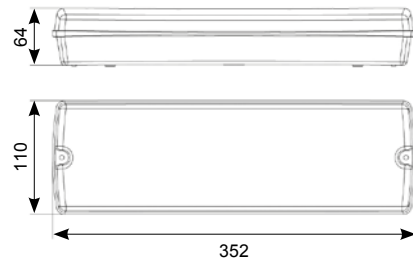
Supplied c/w Legend and Integral Driver



- Ultra-slim profile LED polycarbonate bulkhead
- Supplied with self-adhesive legend
- 20mm side, end and rear cable entries
- Hinged screwless gear tray for ease of installation
- Viewing distance 18 metres



AGLED/KIT
With Guardian Installed



* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

*** Explanation of the symbols:-
Transverse - Wall
 Distance to wall from side of fitting
Transverse - Transverse
 Side to side spacing
Axial - Wall
 Distance to wall from end of fitting
Axial - Axial
 End to end spacing

***	Escape route 2 metres wide (1 Lux minimum) *			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
Mounting Height (M)	2.5	5.7	2.9	6
	4	5.6	3	5
	6	-	-	-

***	Open (Anti-Panic) area (0.5 Lux Minimum) **			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
Mounting Height (M)	2.5	7.5	3	7.5
	4	8	3.8	8
	6	8	3.8	8

LED Information

Total (W)	3W
Lumens Delivered	
Emergency Mode	144lm
Standard Mode	180lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

Code	Lamp	Description
AGLED/3M	LED	3W Maintained / Non-Maintained

Accessories	AGLED/KIT	Semi-Recessing Kit - White
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	ASBP/2	3.6V 1500mAh Replacement Ni-Cd Battery
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 Belfast: +44 (0) 2890 773750



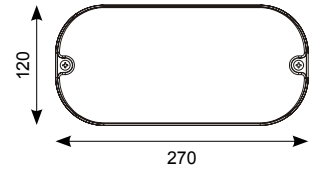
Kite LED Emergency Bulkhead

Supplied with Legend and Integral Driver

446



- Modern ultra-slim profile
- IP65 LED polycarbonate bulkhead
- Self-test as standard
- Aesthetically designed for modern appearance
- Supplied with self-adhesive legend
- 20mm side and rear cable entries
- Hinged screwless gear tray for ease of installation
- Viewing distance 20 metres



Escape route 2 metres wide (1 Lux minimum) *					
Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	***
					Diagram
2.5	1.5	5.5	1.3	5.5	
4	1.3	5	1.4	6	
-	-	-	-	-	
-	-	-	-	-	

Open (Anti-Panic) area (0.5 Lux Minimum) **					
Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	***
					Diagram
2.5	2.1	6	2.1	6	
4	2.4	7	2.4	7	
6	2.4	7	2.4	7	
-	-	-	-	-	

* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

*** Explanation of the symbols:-
Transverse - Wall
 Distance to wall from side of fitting
Transverse - Transverse
 Side to side spacing
Axial - Wall
 Distance to wall from end of fitting
Axial - Axial
 End to end spacing

LED Information

Total (W)	4W
Lumens Delivered	
Emergency Mode	79lm
Standard Mode	182lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0°C to 40°C

Code	Lamp	Description
Self-Test AKTLED/3M/ST	LED	4W Maintained / Non-Maintained
Accessory ASBP/1		3.6V 600mAh Ni-Cd Replacement Battery





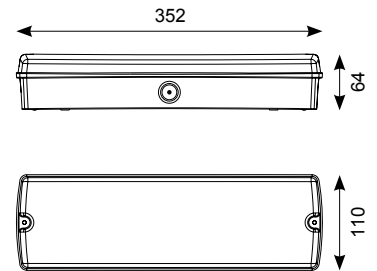
Centurion LED Bulkhead

Supplied c/w Legend and Integral Driver

448



- High lumen performance LED polycarbonate bulkhead for increased spacings
- Supplied with self-adhesive legend
- Self-test as standard
- Outperforms 8W T5 and exceeds performance of Guardian by 56%
- 20mm conduit entry positions and rear terminal box entry
- Hinged screwless gear tray for ease of installation
- Viewing distance 18 metres
- 50,000 hours average lifetime



***	Escape route 2 metres wide (1 Lux minimum) *			
Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
2.5	1.7	7	2	6.8
4	2	8.5	2.5	8
6	-	-	-	-

***	Open (Anti-Panic) area (0.5 Lux Minimum) **			
Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
2.5	2.5	7.5	2.5	7.5
4	3.5	9	3.5	9
6	3.6	9.5	3.6	9.5

* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

*** Explanation of the symbols:-
Transverse - Wall
 Distance to wall from side of fitting
Transverse - Transverse
 Side to side spacing
Axial - Wall
 Distance to wall from end of fitting
Axial - Axial
 End to end spacing

	Code	Lamp	Description
Self-Test	ACELED/3M/ST	LED	7W Maintained / Non-Maintained
Accessory	ASBP/2		3.6V 1500mAh Ni-Cd Replacement Battery

LED Information

Total (W)	7W
Lumens Delivered	
Emergency Mode	151lm
Standard Mode	254lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

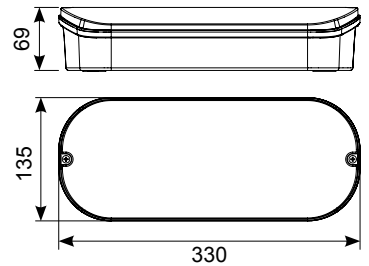




Osprey High Rack LED Bulkhead

Supplied c/w Integral Driver

450



- * 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself
- ** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room
- *** Explanation of the symbols:-
Transverse - Wall
 Distance to wall from side of fitting
Transverse - Transverse
 Side to side spacing
Axial - Wall
 Distance to wall from end of fitting
Axial - Axial
 End to end spacing

Mounting Height (M)	Escape route 2 metres wide (1 Lux minimum) *			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
10	-	-	5	20
15	-	-	1.2	15.5

Mounting Height (M)	Open (Anti-Panic) area (0.5 Lux Minimum)**			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
10	5.2	14.5	5.2	18
15	5	17	5	22

	Code	Lamp	Description
Self-Test	AOSLED/3M/ST	LED	9W Maintained / Non-Maintained - Self-Test
Cold Store	AOSLED/3M/CS	LED	22W Maintained / Non-Maintained - Self-Test
Accessories	ASBP/15	4.8V 4Ah Ni-Cd Replacement Battery	
	ASBP/16	4.8V 4Ah Ni-Cd Replacement Battery (for use with Cold Store fitting)	

LED Information

Total (W)	9W
	22W
Lumens Delivered	
Emergency Mode	380lm
Standard Mode	438lm
Lumens Delivered Cold Store	
Emergency Mode	383lm
Standard Mode	554lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°
Cold Store	-30C° to 5C°

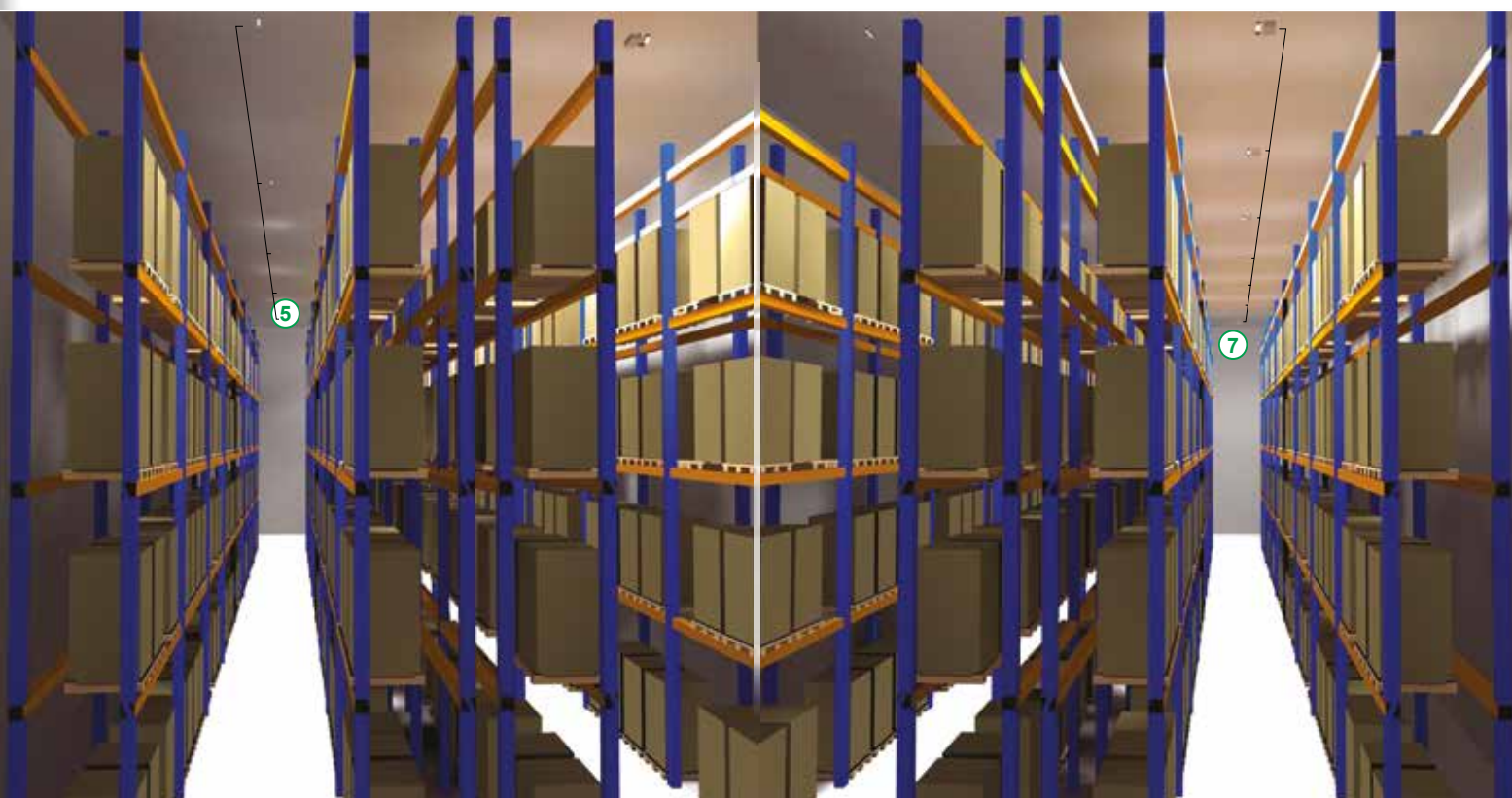


Osprey LED



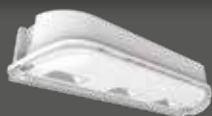
High Rack Bulkhead vs. Traditional Halogen Twin Spot

Warehouse racking aisle scheme (15 metre ceiling height and 2 metre aisle width)



Osprey LED 9W

5 fittings to reach required lux level



Halogen Twinspot 2x20W

7 fittings to reach required lux level



✔ Quick and easy installation

✔ Self-Test as standard

✔ Maintenance free

✔ Better spacing ratio for less fittings

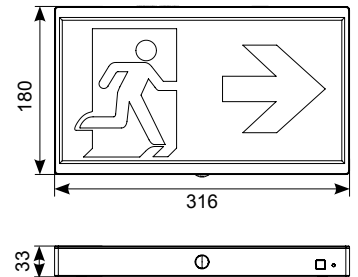
EndLED Lithium Exit Sign

Supplied c/w Integral Driver and Legend

452



- Low profile compact and modern polycarbonate LED exit sign
- LiFePO4 Lithium battery provides improved energy consumption, product reliability and lifetime
- Self-test emergency as standard
- Supplied with all legend options - arrow down, arrow up and arrow left/right
- 20mm top and rear cable entries
- Viewing distance 30 metres



	Code	Lamp	Description
Self-Test	AENLED/LI/3M/ST	LED	4.5W - Maintained / Non-Maintained
Accessory	ASBP/18	3.2V 1500mAh Li-FePO4 Lithium Replacement Battery	

LED Information

Total (W)	4.5W
Lumens Delivered	
Emergency mode	18lm
CCT	6000K
Input	220-240V
Hertz	50Hz
Operating Temp	5C° to 40C°



Encore LED Exit Sign

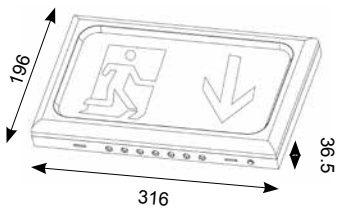
Supplied c/w Legends and Integral Driver



- Ultra slim modern LED exit sign
- Self-test option
- Neat picture frame appearance compared to conventional fluorescent exit signs
- Supplied with all legend options - arrow down, arrow up and arrow left/right
- Viewing distance 29 metres



AENLED/3M/W



AENLED/3M/SG

LED Information

Total (W)	2.6W
Lumens Delivered	
Emergency mode	27lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

	Code	Lamp	Description
Standard	AENLED/3M/W	LED	2.6W Maintained/Non-Maintained - White
	AENLED/3M/SG	LED	2.6W Maintained/Non-Maintained - Silver Grey
Self-Test	AENLED/3M/W/ST	LED	2.6W Maintained/Non-Maintained - White
Accessory	ASBP/2		3.6V 1500mAh Ni-Cd Replacement Battery



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Belfast: +44 (0) 2890 773750



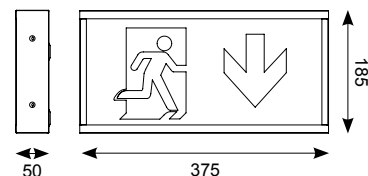
Watchman LED Lithium Exit Sign

Supplied c/w Legend and Integral Driver

454



- Slim white steel LED exit box sign with legend
- LiFePO4 Lithium battery provides improved energy consumption, product reliability and lifetime
- Larger dimensions enables easy retrofit replacement of fluorescent products
- Viewing distance 37 metres



	Code	Lamp	Description
Self-Test	AWLED/LI/3M/ST	LED	3.5W Maintained / Non-Maintained
Legends	AWLED/L/AD	Lithium Legend - Arrow Down	
	AWLED/L/AR	Lithium Legend - Arrow Right	
	AWLED/L/AL	Lithium Legend - Arrow Left	
	AWLED/L/AU	Lithium Legend - Arrow Up	
Battery	ASBP/18	3.2V 1500mAh Li-FePO4 Lithium Replacement Battery	

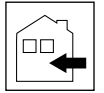
LED Information

Total (W)	3.5W
Lumens Delivered	
Emergency mode	17lm
CCT	6000K
Input	220-240V
Hertz	50Hz
Operating Temp	5C° to 40C°

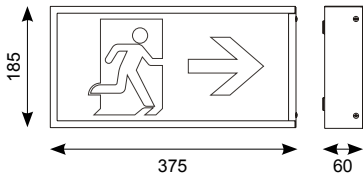


Watchman LED Exit Sign

Supplied c/w Legend and Integral Driver



- White steel LED exit box sign with legend
- Larger dimensions enables easy retrofit replacement of fluorescent products
- Viewing distance 37 metres



LED Information

Total (W)	3W
Lumens Delivered	
Emergency mode	25lm
CCT	6000K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

	Code	Lamp	Description
	AWLED/3M	LED	3W Maintained / Non-Maintained
Legends	AG8/L/AD		Legend - Arrow Down
	AG8/L/AR		Legend - Arrow Right
	AG8/L/AL		Legend - Arrow Left
	AG8/L/AU		Legend - Arrow Up
Battery	ASBP/3		3.6V 1800mAh Ni-Cd Replacement Battery



Warrington: +44 (0) 1942 433333
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Eagle 3-In-1 LED Exit Sign

Supplied c/w Integral Driver and Legend

456



AE3LED/3M/SI
Semi Recessed

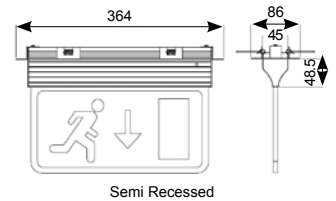


AE3LED/3M/W
Suspended

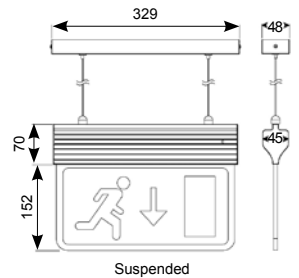


AE3LED/3M/W
Side Arm Wall Mounted

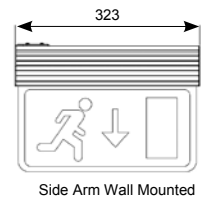
- Modern, slim, 3-In-1 LED Exit Sign
- Self-test option
- One fitting that enables choice of three different mounting options :- suspension, recessed or side arm wall mounting
- Viewing distance 25 metres



Semi Recessed



Suspended



Side Arm Wall Mounted

	Code	Lamp	Description
Standard	AE3LED/3M/W	LED	2.5W Maintained/Non-Maintained - White
	AE3LED/3M/SI	LED	2.5W Maintained/Non-Maintained - Silver
Self-Test	AE3LED/3M/W/ST	LED	2.5W Maintained/Non-Maintained - White
Legends	AE3LED/ALAR		Double Sided Legend - Arrow Left and Right
	AE3LED/L/AD		Double Sided Legend - Arrow Down
	AE3LED/L/AU		Double Sided Legend - Arrow Up
Battery	ASBP/4		3.6V 800mAh Replacement Ni-Cd Battery

LED Information

Total (W)	2.5W
Lumens Delivered	
Emergency mode	21lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°





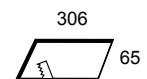
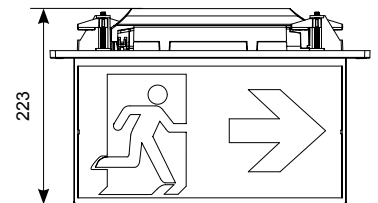
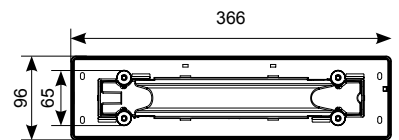
Project - Coxmoor Golf Club
Sutton-in-Ashfield, UK

Razzo LED Lithium Recessed Exit Sign

Supplied c/w Integral Driver and Legend



- Slim low profile recessed LED exit sign
- LiFePO4 Lithium battery provides improved energy consumption, product reliability and lifetime
- DALI emergency as standard
- Supplied c/w all legends
- If not connected to DALI network self-test mode operates automatically
- Viewing distance 24 metres



	Code	Lamp	Description
Self-Test	ARAZLED/LI/3M/DA	LED	4.5W Maintained / Non-Maintained
Battery	ASBP/19	6.4V 1500mAh LiFePO4 Lithium Replacement Battery	

LED Information

Total (W)	4.5W
Lumens Delivered	
Emergency mode	100lm
CCT	6000K
Input	220-240V
Hertz	50Hz
Operating Temp	5C° to 40C°

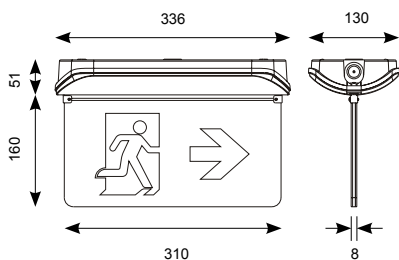


Harrier LED IP65 Blade Exit Sign

Supplied c/w Self-Adhesive Legend (Optional Blade Legend ordered separately)



- Compact high performance IP65 polycarbonate surface emergency luminaire
- Self-test as standard
- Optional hanging blade legends (supplied with self-adhesive legend as standard) for enhanced appearance
- Aesthetically designed for modern appearance
- 20mm side and rear cable entries
- High output LED performance and distribution allows maximum spacing providing reduced cost
- Viewing distance 25 metres



* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

*** Explanation of the symbols:-
Transverse - Wall
 Distance to wall from side of fitting
Transverse - Transverse
 Side to side spacing
Axial - Wall
 Distance to wall from end of fitting
Axial - Axial
 End to end spacing

LED Information

Total (W)	5W
Lumens Delivered	
Emergency Mode	142lm
Standard Mode	299lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

	Code	Lamp	Description
Self-Test	AHARLED/3M/ST	LED	5W Maintained/Non-Maintained
Legends	AHARLED/ALAR		Harrier LED Double Sided Legend - Arrow Left and Right
	AHARLED/L/AD		Harrier LED Double Sided Legend - Arrow Down
	AHARLED/L/AU		Harrier LED Double Sided Legend - Arrow Up
Battery	ASBP/5		7.2V 1500mAh Ni-Cd Replacement Battery



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 Belfast: +44 (0) 2890 773750

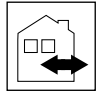




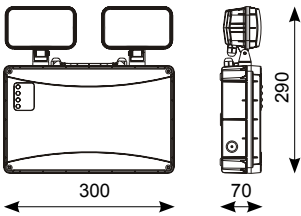
Project - The Liquor Store
Manchester, UK

IP65 Owl LED Twin Spot

Supplied c/w Integral Driver



- Self-test Twin LED emergency floodlight for industrial applications
- Robust white moulded enclosure
- Exceeds performance of 2x20W halogen equivalent
- Moulded polycarbonate heads



LED Information

Total (W)	5W
Lumens Delivered	
Emergency Mode	440lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

	Code	Lamp	Description
Self-Test	ATSLED/3NM/IP65/ST	LED	5W Non-Maintained
Battery	ASBP/6		3.6V 6Ah Ni-Cd Replacement Battery



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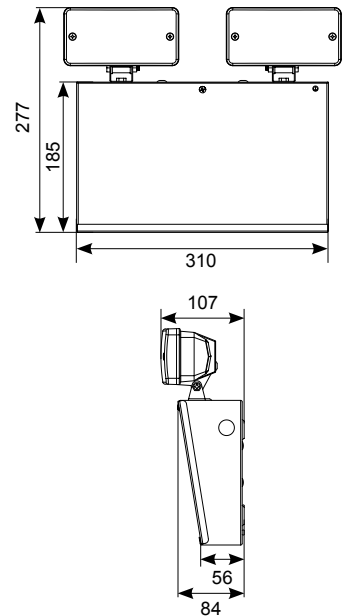
LED Twin Spot

Supplied c/w Integral Driver

462



- Twin LED emergency floodlighting for industrial applications
- Exceeds performance of 2x20W halogen equivalent
- Robust metal enclosure in an opal colour
- Moulded polycarbonate heads



	Code	Lamp	Description
	ATSLED/3NM	LED	3W Non-Maintained
Battery	ASBP/7		3.6V 4Ah Ni-Cd Replacement Battery

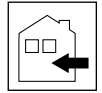
LED Information

Total (W)	3W
Lumens Delivered	
Emergency Mode	198lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°



Condor LED Twin Spot

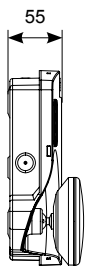
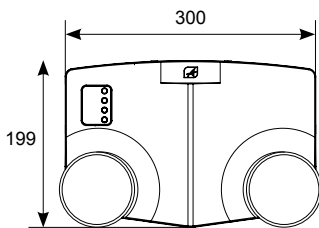
Supplied c/w Integral Driver



- Sleek modern polycarbonate moulded decorative twin spot
- Individual adjustable LED array's allowing the end user to aim output into the desired location
- Decorative design suitable for retail application
- Self-test as standard



ACTSLED/W/3NM



ACTSLED/B/3NM

LED Information

Total (W)	5W
Lumens Delivered	
Emergency Mode	
ACTSLED/W/3NM	368lm
ACTSLED/B/3NM	361lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

Code	Lamp	Description
Self-Test ACTSLED/W/3NM	LED	5W - White
Self-Test ACTSLED/B/3NM	LED	5W - Black
ASBP/6		3.6V 6Ah Ni-Cd Replacement Battery



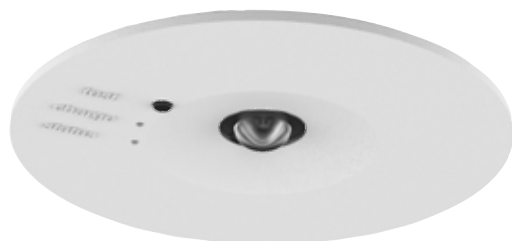
Warrington: +44 (0) 1942 433333
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Signal LED Pro Lithium Emergency Downlight

Supplied c/w Remote Driver and Battery Pack

464

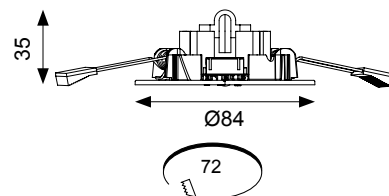


ASPRLED/LI/3M/DA
Open Area Lens



ASPRLED/LI/3M/DA
Escape Route Lens

- Compact LED Non-Maintained fixed downlight
- LiFePO4 Lithium battery provides enhanced product lifetime
- Supplied with open area and escape route interchangeable lenses
- High specification optic design and performance allows increased spacing providing reduced cost
- DALI emergency as standard
- If not connected to DALI network Self-test mode operates automatically



* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

*** Explanation of the symbols:-

Transverse - Wall

Distance to wall from side of fitting

Transverse - Transverse

Side to side spacing

Axial - Wall

Distance to wall from end of fitting

Axial - Axial

End to end spacing

Mounting Height (M)	Escape route 2 metres wide (1 Lux minimum) *			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
2.5	-	-	6	14
4	-	-	5.5	16
6	-	-	-	-

Mounting Height (M)	Open (Anti-Panic) area (0.5 Lux Minimum)**			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
2.5	4	8	4	8
4	4.7	9	4.7	9
6	4.9	9.5	4.9	9.5

Code	Lamp	Description
ASPRLED/LI/3M/DA	LED	2.5W Non-Maintained
Accessory ASBP/19	6.4V 1500mAh LiFePO4 Lithium Replacement Battery	

LED Information

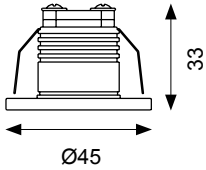
Total (Watts)	2.5W
Lumens Delivered Emergency Mode	
Open Area	209lm
Escape Route	201lm
Beam Angle	
Open Area	144°
Escape Route	143°
CCT	6000K
Input	220-240V
Hertz	50Hz
Operating Temp	5°C to 40°C



Signal LED Emergency Downlight

Supplied c/w Remote Driver and Battery Pack

- Economic and compact LED Non-Maintained fixed downlight
- White and black powder coat paint finish
- LED combines power and green charge indicator
- 3 hour emergency output



* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

*** Explanation of the symbols:-

Transverse - Wall

Distance to wall from side of fitting

Transverse - Transverse

Side to side spacing

Axial - Wall

Distance to wall from end of fitting

Axial - Axial

End to end spacing

***	Escape route 2 metres wide (1 Lux minimum) *				
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
ASLED/3NM	2.5	3	8.5	3	8.5
ASLED/3NM/B	4	3	9	3	9
	2.5	2.7	7	2.7	7
	4	2.6	7.5	2.6	7.5

***	Open (Anti-Panic) area (0.5 Lux Minimum)**				
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
ASLED/3NM	2.5	3.6	7.5	3.6	7.5
	4	3.6	10.5	3.6	10.5
	6	3.6	11	3.6	11
ASLED/3NM/B	2.5	3	6.3	3	6.3
	4	3	9	3	9
	6	3	10.5	3	10.5

LED Information

Total (Watts)	1.5W
Lumens Delivered Emergency Mode	
ASLED/3NM	137lm
ASLED/3NMB	107lm
Beam Angle	
ASLED/3NM	128°
ASLED/3NMB	115°
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0°C to 40°C

Code	Lamp	Description
ASLED/3NM	LED	1.5W Non-Maintained
ASLED/3NMB	LED	1.5W Non-Maintained - Black

Accessory	ASBP/8	3.6V 2Ah Ni-Cd Replacement Battery
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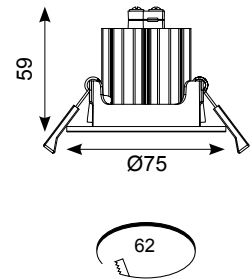
Beacon LED Emergency Fixed Downlight

Supplied c/w Remote Driver and Battery Pack

466



- LED Non-Maintained fixed polycarbonate downlight
- 3 hour emergency output
- Power and green charge LED are discreetly incorporated within the head
- 123° beam angle



***	Escape route 2 metres wide (1 Lux minimum) *			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
2.5	-	-	3	9.5
4	-	-	3.3	11.5
6	-	-	-	-

***	Open (Anti-Panic) area (0.5 Lux Minimum) **			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
2.5	3.5	8.9	3.5	8.9
4	4	11.4	4	11.4
6	4.5	12.9	4.5	12.9

- * 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself
- ** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room
- *** Explanation of the symbols:-
 Transverse - Wall Distance to wall from side of fitting
 Transverse - Transverse Side to side spacing
 Axial - Wall Distance to wall from end of fitting
 Axial - Axial End to end spacing

Code	Lamp	Description
ABFLED/3NM	LED	5W Non-Maintained

Accessory	ASBP/9	3.6V 4.5Ah Ni-Cd Replacement Battery
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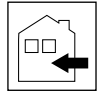
LED Information

Total (Watts)	5W
Lumens Delivered	
Emergency Mode	316lm
Beam Angle	123°
CCT	6500K
Input	230V
Hertz	50Hz
Operating Temp	0°C to 40°C

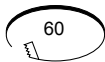
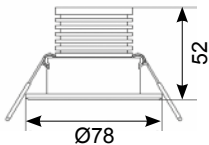


Beacon LED Emergency Adjustable Downlight

Supplied c/w Remote Driver and Battery Pack



- LED Non-Maintained adjustable die-cast aluminium downlight
- 3 hour emergency output
- Power and green charge LED are discreetly incorporated within the head
- 22° beam angle



* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

*** Explanation of the symbols:-
Transverse - Wall
 Distance to wall from side of fitting
Transverse - Transverse
 Side to side spacing
Axial - Wall
 Distance to wall from end of fitting
Axial - Axial
 End to end spacing

***	Escape route 2 metres wide (1 Lux minimum) *			
Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
2.5	2	5.25	2	5.25
4	2.5	6.5	2.5	6.5
6	-	-	-	-

***	Open (Anti-Panic) area (0.5 Lux Minimum) **			
Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
2.5	2.25	5.7	2.25	5.7
4	2.5	7.1	2.5	7.1
6	3	8.25	3	8.25

LED Information

Total (Watts)	5W
Lumens Delivered	
Emergency Mode	248lm
Beam Angle	22°
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0°C to 40°C

Code	Lamp	Description
ABLED/3NM	LED	5W Non-Maintained
Accessory ASBP/9		3.6V 4.5Ah Ni-Cd Replacement Battery



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



Raven LED Emergency Downlight

Supplied c/w Integral Driver and Battery Pack

468



Emergency downlight with integral inverter and battery pack

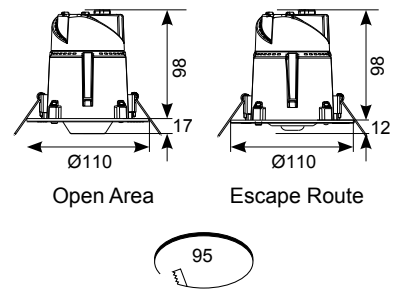


Escape Route



Open Area

- Recessed Self-test emergency downlight with self-contained inverter and battery pack
- Integral components for fast-fit installation
- Option of escape route or open area models
- High performance optic design
- Pre-wired with 150mm rubber insulated cable for ease of installation
- Up to 15 metres spacing between luminaires



Open Area

Escape Route

* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

*** Explanation of the symbols:-
Transverse - Wall
 Distance to wall from side of fitting
Transverse - Transverse
 Side to side spacing
Axial - Wall
 Distance to wall from end of fitting
Axial - Axial
 End to end spacing

***	Escape route 2 metres wide (1 Lux minimum) *			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
Mounting Height (M)				
2.5	-	-	4	10
4	-	-	3	11
6	**	**	**	**

***	Open (Anti-Panic) area (0.5 Lux Minimum) **			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
Mounting Height (M)				
2.5	2.5	4.88	2.5	4.88
4	2.8	6.69	2.8	6.69
6	2	8.5	2	8.5

	Code	Lamp	Description
Self-Test	ARALED/ER/3NM/ST	LED	3W Non-Maintained - Escape Route
Self-Test	ARALED/OA/3NM/ST	LED	3W Non-Maintained - Open Area
Accessory	ASBP/14	3.2V 2600mA Li-FePO4 Lithium Replacement Battery	

LED Information

Total (Watts)	3W
Lumens Delivered	
Emergency Mode	
Open Area	114lm
Escape Route	90lm
Beam Angle	
Open Area	43.3°
Escape Route	132°
CCT	6500K
Input	220/240V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

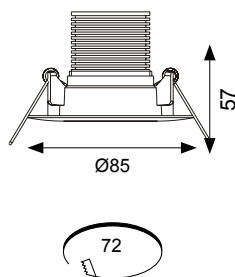


Merlin LED Emergency Downlight

Supplied c/w Remote Driver and Battery Pack



- Ultra-low profile recessed self-test emergency downlight
- Self-test as standard
- Option of escape route or open area models
- High specification optic design and performance allows increased spacing providing reduced cost
- Up to 17.8 metres spacing between luminaires



AMELED/OA/3NM/ST



AMELED/ER/3NM/ST/B

* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

*** Explanation of the symbols:-

Transverse - Wall

Distance to wall from side of fitting

Transverse - Transverse

Side to side spacing

Axial - Wall

Distance to wall from end of fitting

Axial - Axial

End to end spacing

***	Escape route 2 metres wide (1 Lux minimum) *			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
AMELED/ER/3NM/ST	2.5	-	5.5	14
AMELED/ER/3NM/ST/B	4	-	7.5	19.6
	2.5	-	5	14
	4	-	7	19.5

***	Open (Anti-Panic) area (0.5 Lux Minimum)**			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
AMELED/OA/3NM/ST	2.5	3	3	6.5
	4	4	4	9.5
	6	5	5	11.5
AMELED/OA/3NM/ST/B	2.5	3	3	6
	4	4	4	9
	6	4.5	4.5	10

LED Information

Total (Watts)	5W	
Lumens Delivered		
Emergency Mode	/B	
Open Area	259lm	191lm
Escape Route	247lm	229lm
Beam Angle		
Open Area	110°	108°
Escape Route	140°	140°
CCT	6500K	
Input	230V	
Hertz	50/60Hz	
Operating Temp	0°C to 40°C	

	Code	Lamp	Description
Self-Test	AMELED/ER/3NM/ST	LED	5W Non-Maintained - Escape Route
Self-Test	AMELED/OA/3NM/ST	LED	5W Non-Maintained - Open Area
Self-Test	AMELED/ER/3NM/ST/B	LED	5W Non-Maintained - Escape Route - Black
Self-Test	AMELED/OA/3NM/ST/B	LED	5W Non-Maintained - Open Area - Black

Accessory	ASBP/9	3.6V 4.5Ah Ni-Cd Replacement Battery
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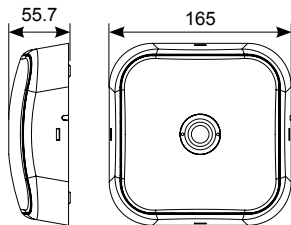
Project - Synecco
Galway, Ireland

IP65 Falcon LED Surface Emergency Downlight

Supplied c/w Integral Driver and Battery Pack



- Compact surface ultra-low profile recessed self-test emergency downlight
- Self-test as standard
- Supplied with open area and escape route interchangeable lenses
- High specification optic design and performance allows increased spacing providing reduced cost
- Up to 19.6 metres spacing between luminaires
- BESA mounting option



AFALD/3NM/ST/IP65



AFALD/3NM/ST/IP65/B



Open Area Lens



Escape Route Lens

* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

** 0.5 lux minimum must be used for areas larger than 60m², the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

*** Explanation of the symbols:-

Transverse - Wall

Distance to wall from side of fitting

Transverse - Transverse

Side to side spacing

Axial - Wall

Distance to wall from end of fitting

Axial - Axial

End to end spacing

	Escape route 2 metres wide (1 Lux minimum) *				

Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
AFALD/ER/3NM/ST	2.5	-	-	4.2	10
AFALD/ER/3NM/ST/B	4	-	-	4.25	12
AFALD/OA/3NM/ST	2.5	-	-	4	9.5
AFALD/OA/3NM/ST/B	4	-	-	3.6	11

	Open (Anti-Panic) area (0.5 Lux Minimum)**				

Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
AFALD/OA/3NM/ST	2.5	2.5	5	2.5	5
AFALD/OA/3NM/ST/B	4	3.5	7.1	3.5	7.1
AFALD/OA/3NM/ST	6	4	9.8	4	9.8
AFALD/OA/3NM/ST/B	2.5	2.5	4.8	2.5	4.8
AFALD/OA/3NM/ST	4	3.5	6.8	3.5	6.8
AFALD/OA/3NM/ST/B	6	4	9.8	4	9.8

LED Information

Total (Watts)	3W	
Lumens Delivered		
Emergency Mode	White	Black
Open Area	152lm	142lm
Escape Route	138lm	116lm
Beam Angle		
Open Area	96°	96°
Escape Route	140°	135°
CCT	6500K	
Input	230V	
Hertz	50/60Hz	
Operating Temp	0°C to 40°C	

	Code	Lamp	Description
Self-Test	AFALD/3NM/ST/IP65	LED	3W Non-Maintained
Self-Test	AFALD/3NM/ST/IP65/B	LED	3W Non-Maintained - Black

Accessory	ASBP/10	3.6V 3Ah Ni-Cd Replacement Battery
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LED Panel Pod Emergency for Infinite and Endurance LED Panels

472

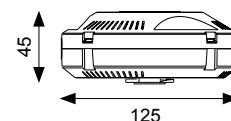


Top Housing View



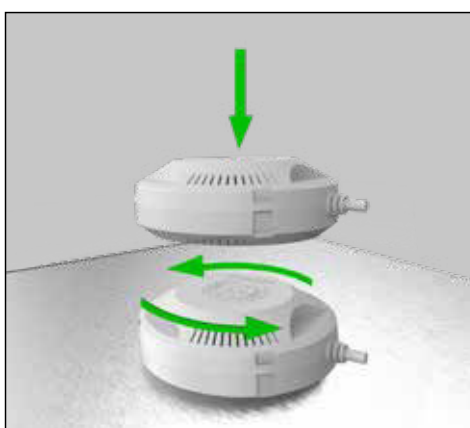
Bottom Housing View showing Emergency LED

- Integral emergency pod to convert any new Ansell Infinite LED and Endurance LED panel to emergency, instantly
- Simple, quick twist and lock fixing
- Supplied with a pre-wired 1 Metre cable for ease of installation
- Tri-colour LED shows green for healthy running condition, red/flashing for fault conditions and white for emergency operation
- **UK Patent No. GB2522285**
- **European Patent No. 15165652.7**
- **Irish Patent No. 2015/0128**
- **EC Registered Design No 002712232-0001**



STEP 1

Unscrew coin plug from back of Ansell LED Panels



STEP 2

Locate and twist Panel Pod into position. Connect incoming supply to pre-leaded cable



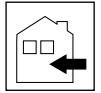
LED Information

Total (Watts)	5W
Lumens Delivered	
Emergency Mode	189lm
Beam Angle	120°
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 45C°

	Code	Lamp	Description
Self-Test	AIRMLD/POD/3NM/ST	LED	5W - Cool White
Accessory	ASBP/11	3.6V 4.5Ah Ni-Cd Replacement Battery	



GU10 LED Emergency Lighting Pack



473

- *Emergency lighting pack for use with LED and Mains GU10 CFL Lamps as follows:-*

GU10 LED Lamps

Minimum: 3W

Maximum: 8W

- *55mm cut-out aperture*
- *Will provide 3 hour duration*



ACFLP/3

Code	Description
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ACFLP/3	Maintained / Non-Maintained - CFL/LED
----------------	---------------------------------------

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



Ansell Electrical Products Ltd

Unit 6B, Stonecross Industrial Park,
Yew Tree Way,
Warrington,
WA3 3JD

T: +44 (0) 1942 433333
F: +44 (0) 1942 433433
E: saleswarrington@anselluk.com

Ansell (Sales & Distribution) Ltd

Unit 2 , M2 Business Park,
Duncrue Street,
Belfast,
BT3 9AQ

T: +44 (0) 2890 773750
F: +44 (0) 2890 773783
E: sales@anselluk.com

**Ansell Lighting
Innovation and Design Office**

Suite 1A, Littlemead Offices,
Tangmere Road,
Chichester,
West Sussex,
PO20 2EU

Ansell Lighting

Yu Ge Commercial Building,
Cuiyi Road,
Dongguan City,
Guangdong Province,
Peoples Republic of China

Department Direct Contacts

International
T: 01942 433 343

Purchasing
T: 01942 433 345

Accounts
T: 01942 433 335

Marketing
T: 01942 433 346

Lighting Design
T: 01942 433 537

Technical
T: 01942 433 331

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