PULSAR

LuxEOS Flood 18 VIVID COLOUR & TUNABLE WHITE
LED FLOOD FOR ARCHITECTURAL LIGHTING

A high performance internally mixed 4 colour LED floodlight using Red, Green, Blue, (Amber or White) **(CRI90+)** LEDs.

KEY FEATURES

IP66	IK09	+50°C / -20°C		WARRANTY 5YRS
120 - 277 V AC	INTERBIT SMOOTHING	FLICKER FREE	CRI 90+	SINGLE BIN
DMX	RDM	LUX RAMP		

LED COLOUR OPTIONS

RGBW 5700K   RGBW 2700K   RGBA 1700K   TW 1700K to 5700K

FINISH OPTIONS

RAL 9005   RAL 9006   RAL 9016

BLACK   SILVER   WHITE
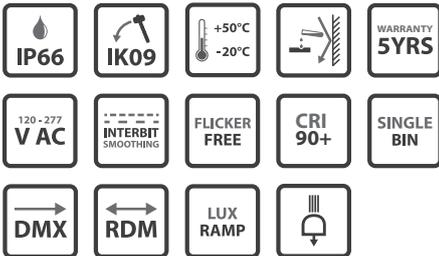
LIGHT QUALITY BEST IN CLASS

Calling upon our 45+ years of lighting expertise, our custom light engines deliver vibrant, internally mixed colour, smooth dimming and exceptional light output.

DURABLE AND RELIABLE

Waterproof to IP66 with an IK09 rating

Cast LM6 aluminium housing

Corrosion resistant as standard

Toughened glass & marine grade fasteners.

HIGH PERFORMANCE

Flicker Free

100,000 hours L70 at 50°C

Single bin selected LED's for colour consistancy.

CUSTOMISE TO YOUR SPECIFICATION

RAL paint finishes

Bespoke mounting brackets

Comprehensive range of beam angles are available

Single colour options.

TRUE THERMAL DESIGN

Convection cooled for completely silent operation

Intelligent thermal management

Precision engineered housing.

UK DESIGN & MANUFACTURE

The LuxEOS range of products are all designed and manufactured by Pulsar in Cambridge, UK.

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			Quad VC RGBW 5700K	Quad VC RGBW 2700K	Quad VC RGBA 1700K	TW A 1700K W 2700K C 5700K	Custom
Options	**Light Engine**	LED Type	Quad VC RGBW 5700K	Quad VC RGBW 2700K	Quad VC RGBA 1700K	TW A 1700K W 2700K C 5700K	Custom
		No. of LED's	72	72	72	72	On enquiry
		CRI	90+ (white)	90+ (white)	-	90+ (CW)	On enquiry
		Wavelength CCT (Colour Temp K)	R 624 - 634nm G 525 - 530nm B 445 - 450nm Cool W - 5700K	R 624 - 634nm G 525 - 530nm B 445 - 450nm Warm W - 2700K	R 624 - 634nm G 525 - 530nm B 445 - 450nm Amber - 1700K	Amber - 1700K Warm - 2700K Cool - 5700K	Custom single and multiple population
		Lumen output (All)	4778 lm	4120 lm	3874 lm	7546 lm	On enquiry
		Lumen maintainance	100,000 hours L70 at 50° C (Projected lifetime based on extrapolated LM-80 data)				
	Optics	Circular	10°	20°	40°	80°	Custom On enquiry
		Elliptical	10° x 60°	60° x 10°			
	Body Finish	RAL Reference	RAL 9005 **9005 Black**	RAL 9006 **9006 Silver**	RAL 9016 **9016 White**		RAL **CUSTOM**
		Finish	MN805L matt	SW262D matt	MA816E matt		On enquiry
		Material	AkzoNobel polyester exterior grade powder coat				
Specifications	**Electrical**	Power input	120 - 277V AC @ 50/60Hz.				
		Wattage	120W.				
		Control	DMX 512 - 4 channels (VC) 3 channels (TW) Resolution - 8 bit (with intelligent smoothing) RDM - Remote Device Management for easy setup Thermal - Automatic Thermal Management built in.				
		Connection	Combined Power and DMX, provided on a QuickLINK+ connector.				
	Physical	Weight & Dimensions	12 kgs (26.46lbs) 350mm (H) x 420mm (W) x 150mm (D) (including yoke).				
		Material and finish	Cast LM6 aluminium, powder coated - corrosion pre-treatment as standard.				
		Mount options	Multi-purpose bracket.				
		Lens and front glass	Acrylic lenses and toughened front glass to IK09.				
		Temperature range	-20 to +50°C Ambient.				
		Ingress protection	IP66 - Dry conditions and damp or wet interior/exterior environments.				
Accessories	**Installation**	Mounting plate	Installed as part of the first fix installation, allowing the rotation of the luminaire post installation.				
	Connection Kits * Not supplied. Please Specify the required connection kit for each luminaire.	1m QuickLINK+ Cable	A 1metre long QuickLINK+ cable, one end is bare to enable the connection to existing wiring.				
		IP Enclosure +1m QuickLINK+	An IP66 wiring enclosure with a 1m QuickLINK+ tail to plug into LuxEOS luminaires.				
		IP Enclosure +1m QuickLINK+ with QuickLINK Tails	An IP66 wiring enclosure with a 1m QuickLINK+ tail to plug into LuxEOS luminaires. This varient also has QuickLINK tails so that the luminaires can be daisychained together with a single cable run.				
		LuxNODE	A wireless Artnet to DMX converter with RDM compatability. Fitted within an IP65 enclosure or available as a PCB for custom installation.				
	Optical Control	HBS Kit	Replacement HBS (Holographic Beam Shaper) to change the beam angle of the luminaire.				
		Louvre	Individual baffles for each LED cluster to minimise glare.				
		Snoot	A baffle that fits around the luminaire to reduce off-axis glare.				
		Half Snoot	A baffle that reduces off-axis glare from the top of the luminaire only.				

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LuxEOS FLOOD - PART NUMBERS

PART NUMBER STRUCTURE

OPTIONS	DESCRIPTION	LSQU	XXX.	XXXX.	XX.	XXXX.	XXX.	XX.	XX
LSQU	LuxEOS luminaire	LSQU							
A09 / A18 / A36	Luminaire size - LuxEOS 9, 18, 36		XXX.						
RDM2	Control - DMX + RDM			XXXX.					
VC / A3 / A1 / TW	LED Type (VC=RGB57K, A3=RGB27K, A1=RGB17K, TW =Tunable White)				XX.				
9005 / 9006 / 9016	Finish - 9005 (Black), 9006 (Silver), 9016 (White)					XXXX.			
010 / 020 / 040 / 080 / H02 / V02	Beam angle - 10° / 20° / 40° / 80° / H02 (10x60°) / V02 (60x10°)						XXX.		
not applicable								XX.	
not applicable									XX

Example : LuxEOS 18, RDM, VC 5700K, Silver, 40° = **LSQUA18.RDM2.VC.9006.040.XX.XX**

LuxEOS OPTICAL CONTROL ACCESSORIES - PART NUMBERS

PART NUMBER STRUCTURE

OPTIONS	DESCRIPTION	LUXI	XXX.	XXXX.	XX.	XXXX.	XXX.	XX.	XX
LUXI	LUXI accessory	LUXI							
A09 / A18 / A36	Luminaire - Luxeos 9, 18, 36		XXX.						
A001 / A002 / A003	Beam Shaper - A001 Louvre, A002 Snoot, A003 Half Snoot			XXXX.					
not applicable					XX.				
9005 / 9006 / 9016	Finish - 9005 (Black), 9006 (Silver), 9016 (White)					XXXX.			
not applicable							XXX.		
not applicable								XX.	
not applicable									XX

Example : LuxEOS 18 Louvre Black = **LUXIA18.A001.XX.9005.XXX.XX.XX**

INSTALLATION ACCESSORIES

| Description	Part Number
Mounting plate for LuxEOS Flood 9 & 18, Beam 20 & 40	LUXIM01.F002.XX.9005.XXX.XX.XX
Mounting plate for LuxEOS Flood 36, Beam 80	LUXIM01.F001.XX.9005.XXX.XX.XX
QuickLINK+ cable 1m - bare ends	LUXIHWX.XL01.XX.NONE.XXX.XX.XX
LuxCONNECT box IP66 - No QuickLINK+ (supplied with cable glands)	LUXIHWX.WB02.XX.NONE.XXX.XX.XX
LuxCONNECT box IP66 - With 1 - QuickLINK+ (F) 1m cable, for hardwired installation (supplied with cable glands)	LUXIHWX.WB01.XX.NONE.XXX.XX.XX
LuxCONNECT box IP66 - With 2 - QuickLINK+ (F) 1m cables, for hardwired installation (supplied with cable glands)	LUXIHWX.WB03.XX.NONE.XXX.XX.XX
LuxCONNECT box IP66 - Prewired with 1 - QuickLINK+ (F) 1m cable, 1 - QuickLINK (M) in 1 - QuickLINK (F) out	LUXIQLX.WB11.XX.NONE.XXX.XX.XX
LuxNODE wireless connection box IP66 - No QuickLINK+ for hardwired installation (supplied with cable glands)	LUXIHWX.LN02.XX.NONE.XXX.XX.XX
LuxNODE wireless connection box IP66 - With 1 - QuickLINK+ (F) 1m cable, for hardwired installation (supplied with cable glands)	LUXIHWX.LN01.XX.NONE.XXX.XX.XX
LuxNODE wireless connection box IP66 - Prewired with 1 - QuickLINK+ (F) 1m cable, 1 - QuickLINK (M) in 1 - QuickLINK (F) out	LUXIQLX.LN03.XX.NONE.XXX.XX.XX

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PRODUCT DRAWINGS (All dimensions in mm)

Front view

Side view


Lamp Rotation
Angle 135°   45°   90°

131

219

401

150
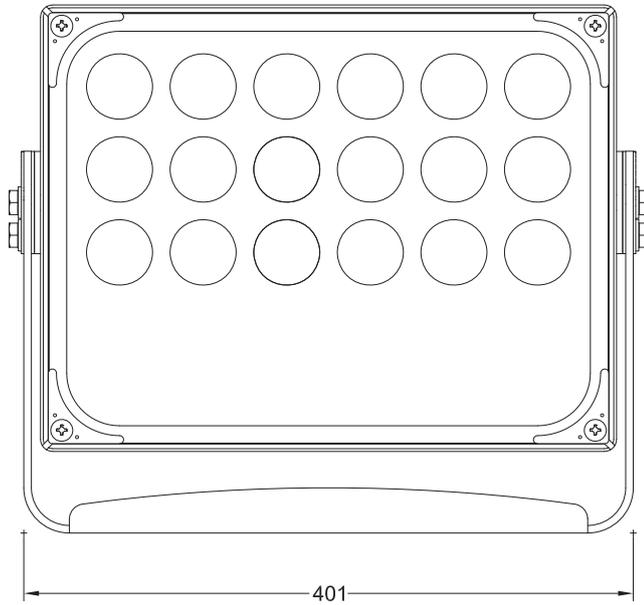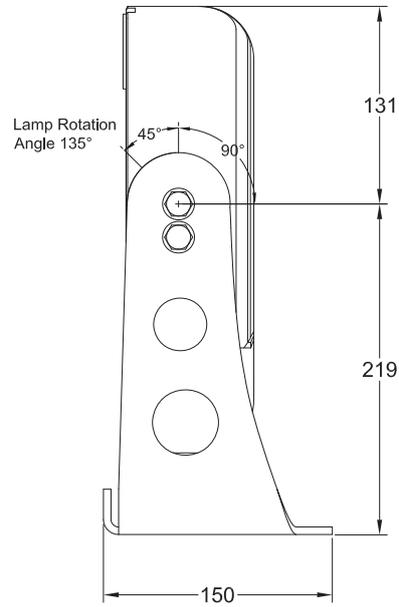
Rear view

Perspective view

420
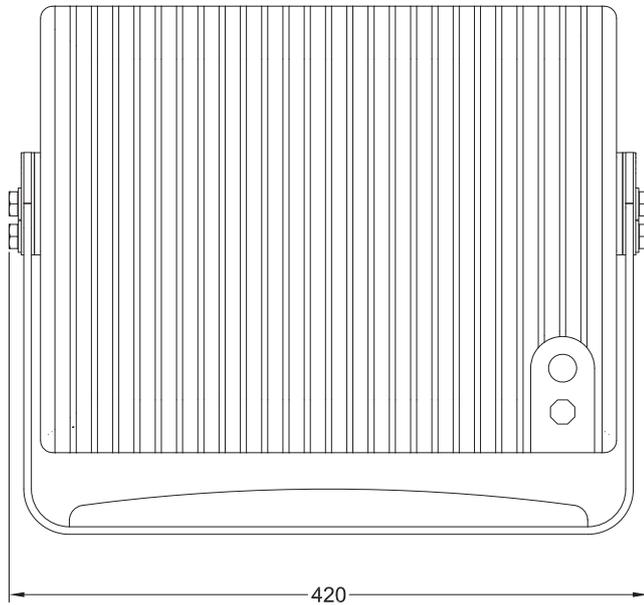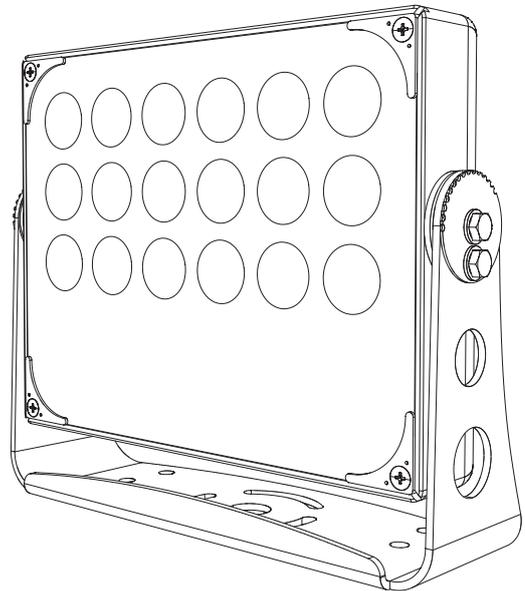
Top view
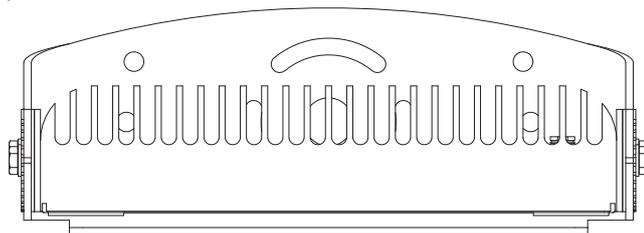
Weights
LuxEOS Flood 18 - 12 kgs
Dimensions
350mm (H) x 420mm (W) x 150mm (D)

DW Windsor
Pindar Road, Hoddesdon, EN11 0DX
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PRODUCT DRAWINGS
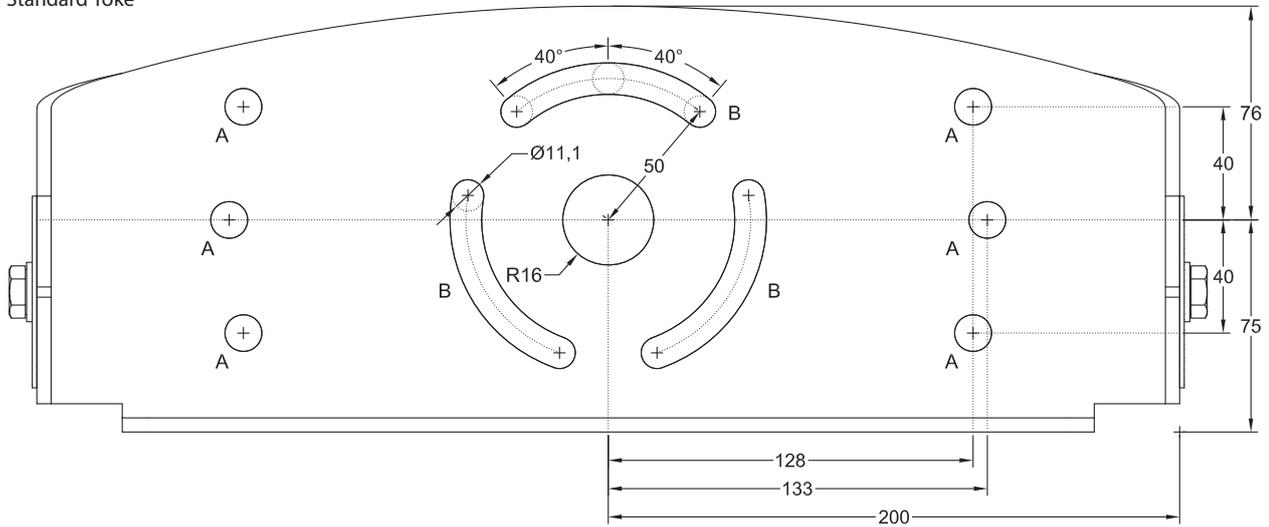
Standard Yoke

Optional
Mounting Plate
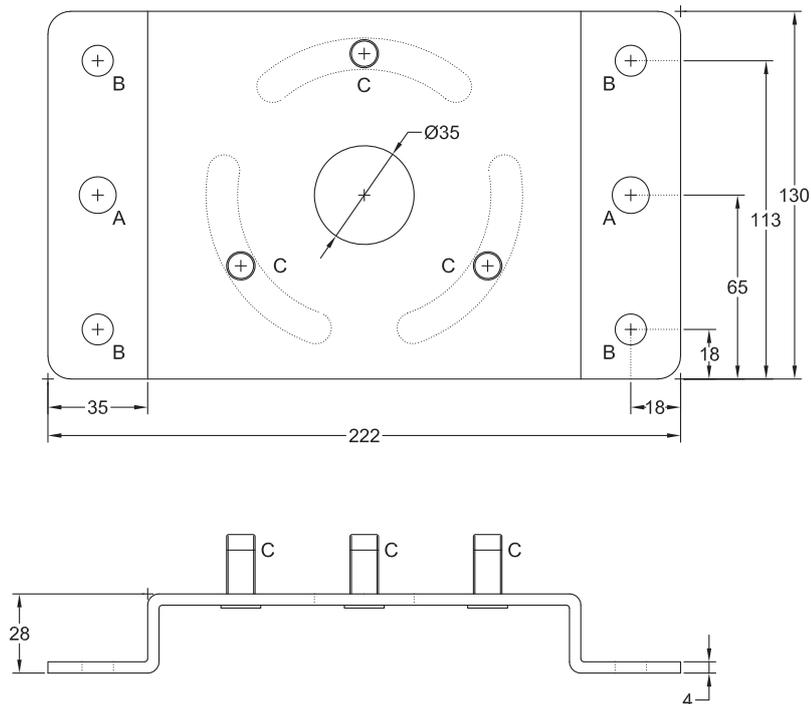
Hole details

(A) - Clearance for M12 fixings

(B) - Clearance for M10 fixings

(C) - M10 Studs for Standard Yoke

All dimensions in mm

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PRODUCT DRAWINGS

Standard LuxEOS Flood 18
With optional Mounting Plate
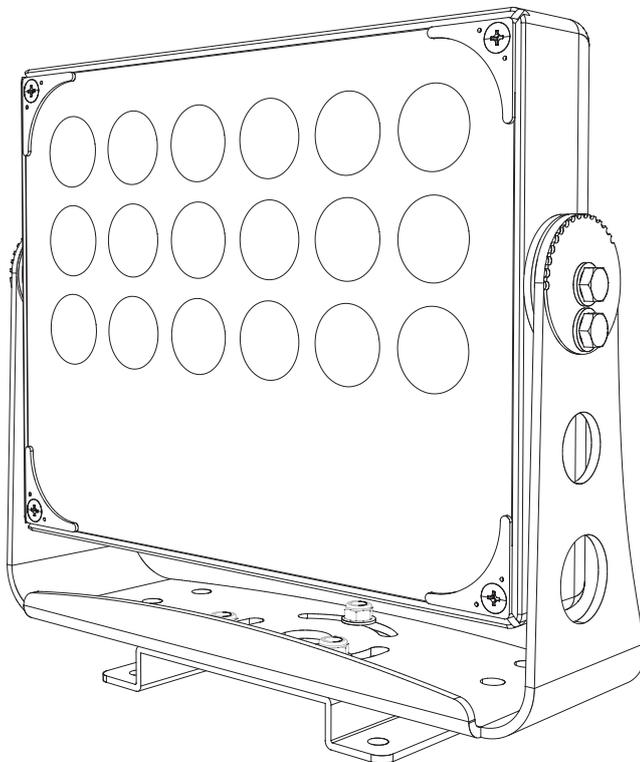
Standard LuxEOS Flood 18
With optional Mounting Plate
and 50mm Snoot
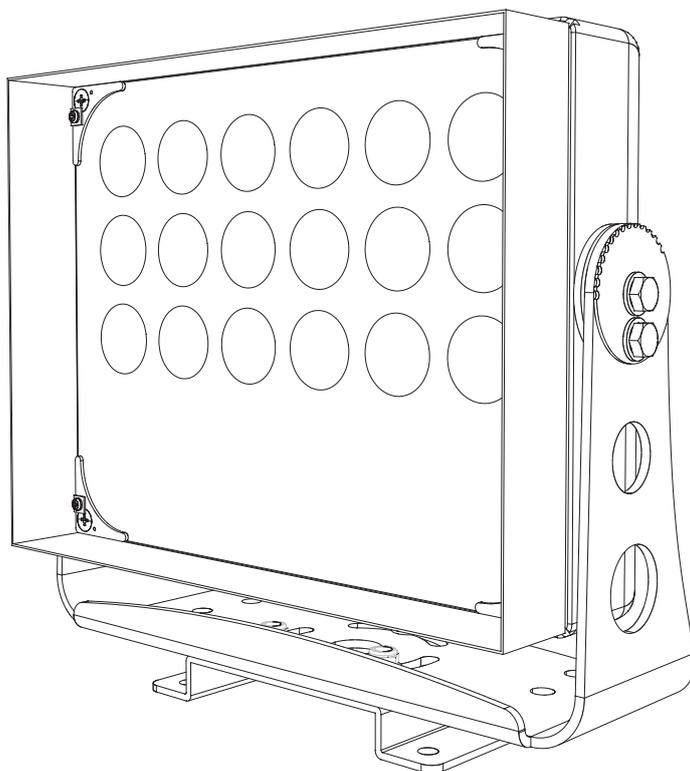
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PRODUCT DRAWINGS

Standard LuxEOS Flood 18
With optional Mounting Plate
and Half Snoot
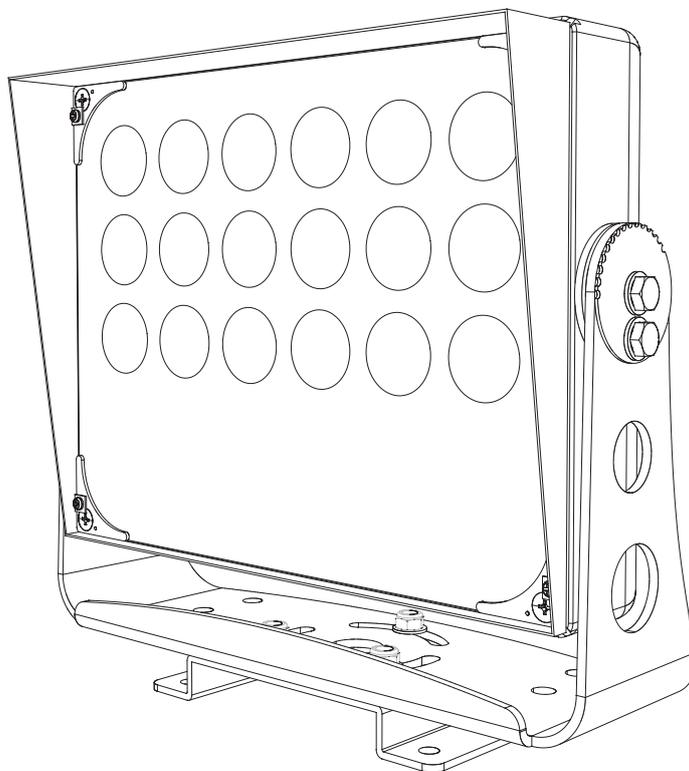
Standard LuxEOS Flood 18
With optional Mounting Plate
and Louvre

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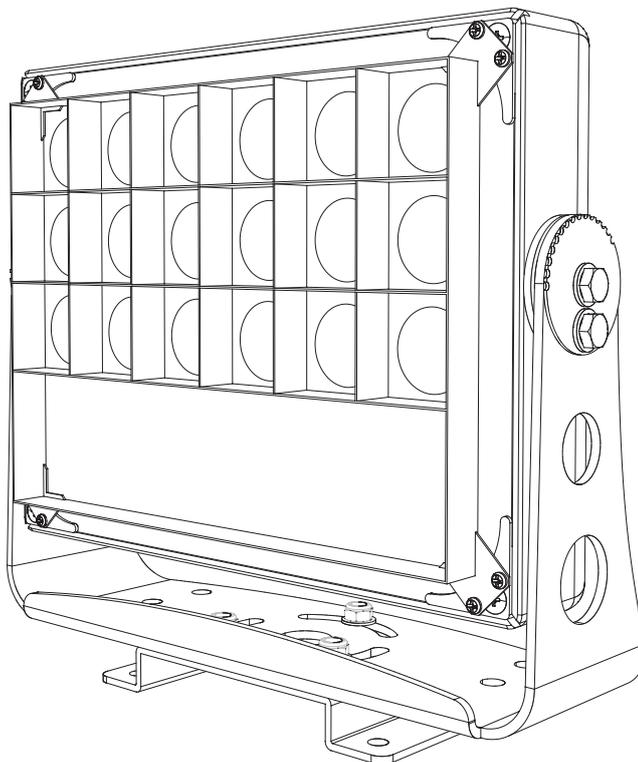
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ADDITIONAL INFORMATION

Key Feature Icons

IP66	Ingress Protection Value
IK09	Mechanical Impact Protection IK Value
+50°C -20°C	Operating Temperature Range
	Corrosion Resistant
WARRANTY 5YRS	Warranty Period
120-277 V AC	Operating Voltage Range
INTERBIT SMOOTHING	Smooth Interbit Theatrical Dimming
FLICKER FREE	True Flicker Free Output
CRI 90+	Colour Rendering Index Value
SINGLE BIN	Single Bin LED Selection
DMX	DMX 512 Control
RDM	RDM Compliant
LUX RAMP	LuxRamp For Maximum Output
	Homogeneous Colour Mixing

Cabling

Mains Supply Cable Colours (Harmonised)

Green/Yellow	Earth - Ground
Brown	Live Phase
Blue	Neutral

DMX Cable Colours (Pulsar)

White	DMX +
Blue	DMX -
Shield	Screen

QuickLINK+ Cable Colours (Power)

Green	Earth - Ground
Black	Live Phase
White	Neutral

QuickLINK+ Cable Colours (Data in)

White	DMX +
Green	DMX -
Shield	Screen

QuickLINK+ Cable Colours (Data through)

Red	DMX +
Blue	DMX -
Shield	Screen

Portable Appliance Testing
LuxEOS luminaires may be safely earth bond and insulation tested (500V).

Maintenance
LuxEOS luminaires should be regularly tested and inspected, and as part of this checked for the build up of external moss and debris which can reduce the light output. If cleaning is required, then a mild water based detergent should be used, care should be taken to avoid the use of harsh solvent based cleaning materials as this could result in damage to the luminaire. Under no circumstances should pressure washers be used for cleaning.
The light source contained in this luminaire shall only be replaced by Pulsar or an authorised service agent or a similar qualified person.

Standards
LuxEOS luminaires conform to the following standards and certification.

UKCA	European CE	RoHS	WEEE

Warranty
Five years from the date of original purchase.
The warranty covers defects in manufacturing workmanship and materials. It is limited to parts and labour.
The warranty becomes void if the product is :-

  A Misused.

  B Not used in accordance with the instructions.

  C The cable connections are not made according to our instructions if the unit is used in damp or wet environments.

  D Repairs are made by unauthorised persons.

  E The serial number label has been removed or defaced.

Pulsar's maximum liability shall not exceed the price paid for the product.
In the unlikely event of a fault occurring, do not use without repair, return the product, with a description of the fault, to your supplier or direct to Pulsar for immediate attention.
Full warranty details are available on request or from our website at www.pulsarlight.com.

As part of our commitment to continuous improvement PULSAR may change the specifications of its products without prior notification or public announcement.
All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract.
Please visit our website for the most up to date information.

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