

LuxEOS 9 Inground VIVID COLOUR & TUNABLE WHITE LED INGROUND FLOOD FOR ARCHITECTURAL LIGHTING



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

KEY FEATURES



LED COLOUR OPTIONS



BEZEL FINISH



STAINLESS
STEEL

GLASS FINISH (OPTION)



HIGH FRICTION
GLASS

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.

HIGH PERFORMANCE

Flicker Free

70,000 hours L70 at 50°C

Single bin selected LED's for colour consistency.

TRUE THERMAL DESIGN

Convection cooled for completely silent operation.

Intelligent thermal management.

Precision engineered housing.

DURABLE AND RELIABLE

Factory sealed & waterproof to IP67.

Stainless Steel 316 Front Bezel with LM6 aluminium main housing.

Corrosion resistant as standard with marine grade fasteners.

Toughened glass with an IK10 rating.

CUSTOMISE TO YOUR SPECIFICATION

Comprehensive range of beam angles are available.

Single colour options.






Optional, high friction glass.

UK DESIGN & MANUFACTURE

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

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LED INGROUND FLOOD FOR ARCHITECTURAL LIGHTING

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	36	36	36	36	
		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)	1998 lm	1723 lm	1620 lm	3155 lm	On enquiry
		Lumen maintenance	70,000 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°				
Tilt		8° (20° x 40°)	20°				
Specifications	Electrical	Power input	120 - 277 V AC @ 50/60Hz.				
		Wattage	50W.				
		Connections	Remote driver input - Combined Power and DMX cable (0.3m) with line mount QuickLINK+ connector Remote driver output- 0.3m cable with X-Lok connector Luminaire input - Chassis mount X-Lok connector				
		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.				
	Luminaire	Weight & Dimensions	3.9 kgs (8.6lbs), Bezel dia - 295mm, depth - 77mm (excluding connector).				
		Material and finish	Stainless Steel 316 Front bezel, LM6 anodised aluminium body.				
		Mount options	Bezel fixing or optional ground mount.				
		Lens and front glass	Acrylic lenses and toughened front glass, (optional high friction glass available).				
		Static load value	Tested up to 3000kgs static loading				
		IK rating	IK10.				
		IP rating	IP67 - Damp or wet interior and exterior environments.				
	Temperature range	-20 to +50°C Ambient.					
	Driver	Weight & Dimensions	1.1 kgs (2.42lbs) with cables 160mm (H) x 140mm (W) x 80mm (D) excluding cables				
		Enclosure	Polypropylene sealed enclosure				
IP rating		IP67 - Damp or wet interior and exterior environments.					
Temperature range		-20 to +50°C Ambient.					
Accessories	Ground Mount	Weight & Dimensions	4.5 kgs (9.92lbs) 267mm (H) x 267mm (W) x 400mm (D) (see drawings for details)				
		Material & finish	Stainless Steel 316.				
	Connection Cable	1m QuickLINK+ cable	1metre long QuickLINK+ cable, one end is bare to enable the connection to existing wiring. * Not supplied - Please Specify the required connection cable for each luminaire.				
	Optical	HBS kit	Replacement HBS (Holographic Beam Shaper) to change the beam angle of the luminaire.				

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LuxEOS 9 INGROUND - PART NUMBERS

PART NUMBER STRUCTURE

OPTIONS	DESCRIPTION	LIG1	XXX.	XXXX.	XX.	XXXX.	XXX.	XX.	XX
LIG1	LuxEOS Inground 9	LIG1							
A09	Luminaire size - LuxEOS 9 IG		XXX.						
RDM2	Control - DMX + RDM			XXXX.					
VC / A3 / A1 / TW	LED Type (VC=RGB57K, A3=RGB27K, A1=RGB17K, TW =Tunable White)				XX.				
SSXX	Finish - SSXX (Stainless Steel)					XXXX.			
010 / 020 / 040 / 080 / H02 / V02	Beam angle - 10° / 20° / 40° / 80° / H02 (10x60°) / V02 (60x10°)						XXX.		
not applicable								XX.	
B1 / B2	B1 - Bevelled Bezel, B2 - Bevelled Bezel & Friction Glass								XX

Example : LuxEOS 9 Inground, RDM, VC 5700K, Stainless Bezel, 40° = **LIG1A09.RDM2.VC.SSXX.040.XX.B1**

LuxEOS 9 INGROUND ACCESSORIES - PART NUMBERS

PART NUMBER STRUCTURE

OPTIONS	DESCRIPTION	LUXI	XXX.	XXXX.	XX.	XXXX.	XXX.	XX.	XX
LUXI	LUXI accessory	LUXI							
LIG	LuxEOS Inground		XXX.						
GM09	LuxEOS 9 Inground - Ground Mount Kit			XXXX.					
not applicable					XX.				
SSXX	Finish - SSXX (Stainless Steel)					XXXX.			
not applicable							XXX.		
not applicable								XX.	
not applicable									XX

Example : LuxEOS 9 Inground Ground Mount Kit = **LUXILIG.GM09.XX.SSXX.XXX.XX.XX**

INSTALLATION ACCESSORIES

Description	Part Number
QuickLINK+ cable 1m - bare ends	LUXIHWX.XL01.XX.NONE.XXX.XX.XX

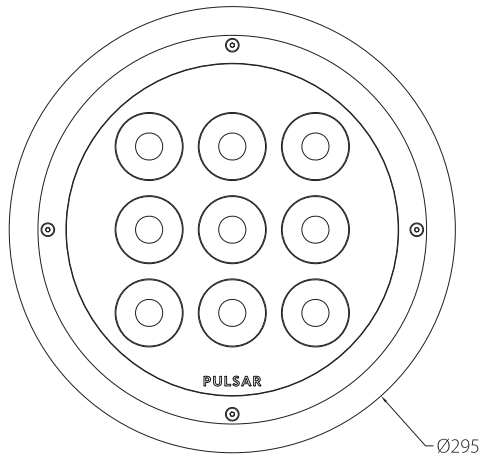
LuxEOS 9 Inground VIVID COLOUR & TUNABLE WHITE

LED INGROUND FLOOD FOR ARCHITECTURAL LIGHTING

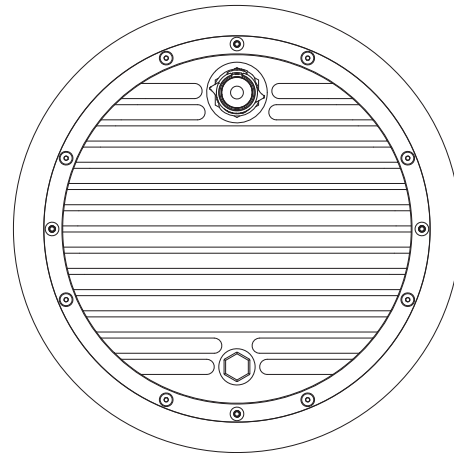
PRODUCT DRAWINGS - LUMINAIRE

(All dimensions in mm)

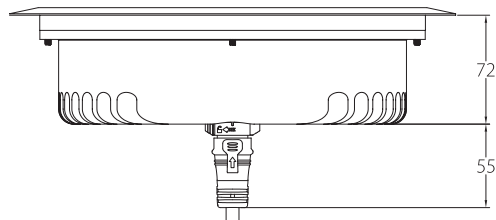
Top view



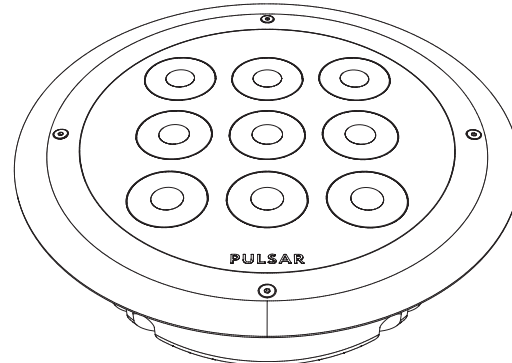
Rear View



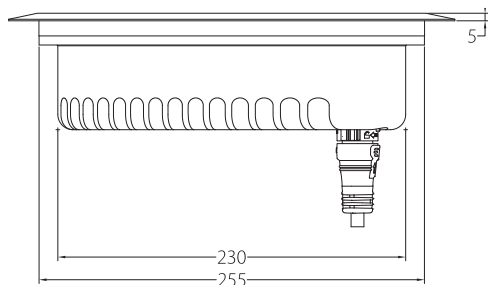
Front view



Perspective view



Side view



Weight
LuxEOS 9 Inground - 3.9 kgs
Dimensions (with connector)
295mm (Dia) x 132mm (D)

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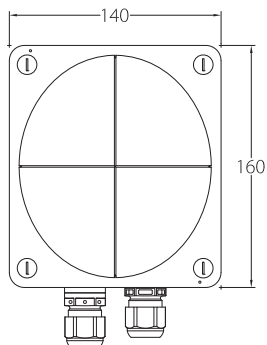
LED INGROUND FLOOD FOR ARCHITECTURAL LIGHTING

PRODUCT DRAWINGS - LUMINAIRE DRIVER

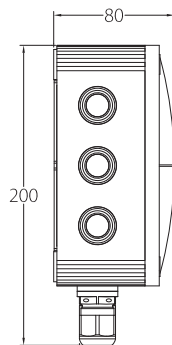
(All dimensions in mm)

Enclosure

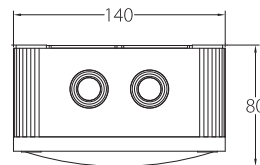
Front view



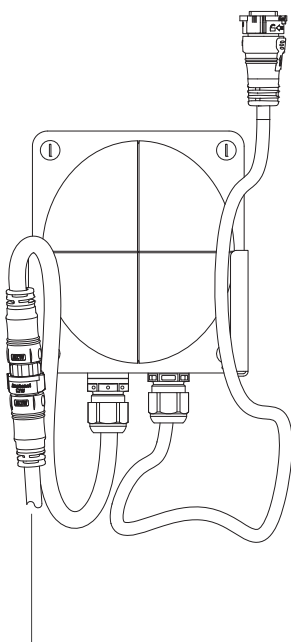
Side view



Top view

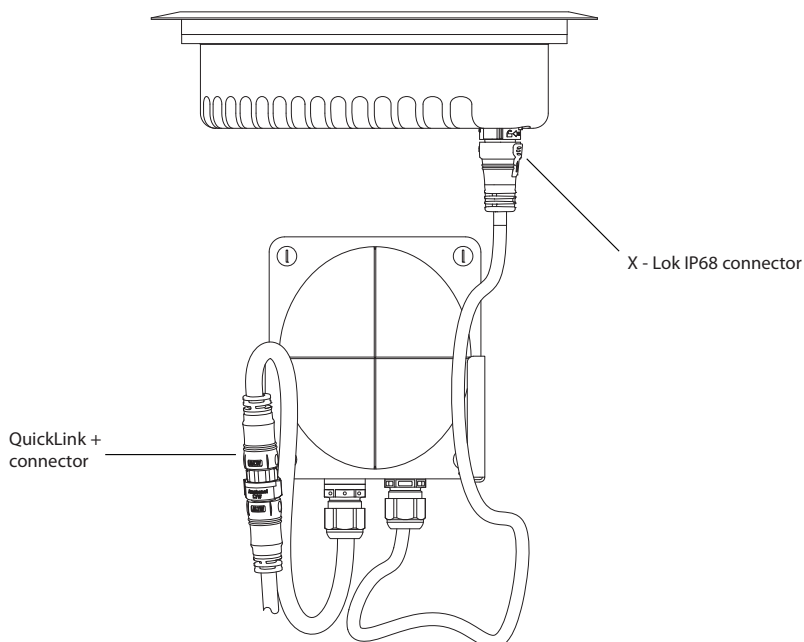


Driver enclosure with cables



QuickLink + connection input cable
Mains / DMX input & through connections

Luminaire & driver



QuickLink +
connector

X - Lok IP68 connector

Weight

Driver with cables - 1.1 kgs

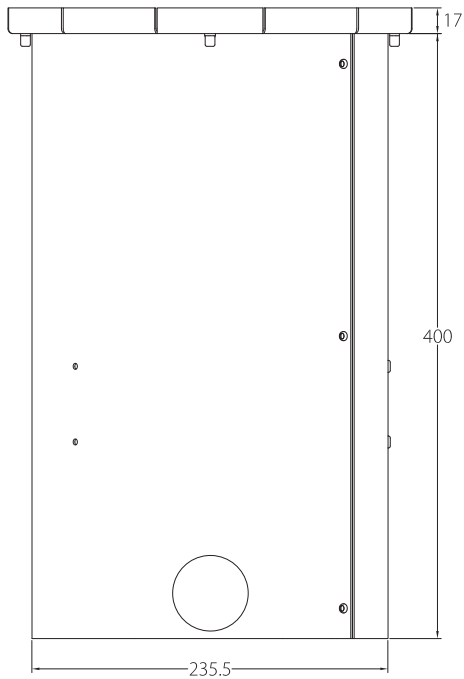
Dimensions (enclosure)

140mm (W) x 160mm (H) x 80mm (D)

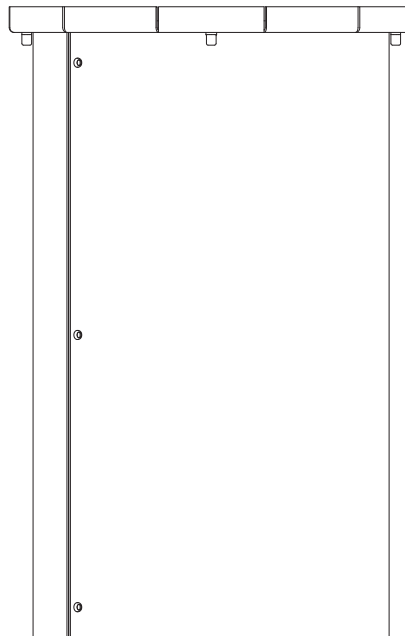
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PRODUCT DRAWINGS - GROUND MOUNT KIT (All dimensions in mm)

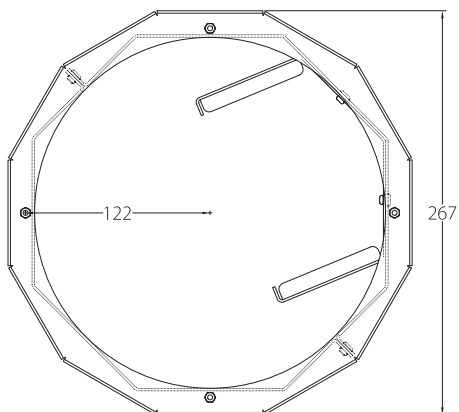
Ground Mount Front & Rear view



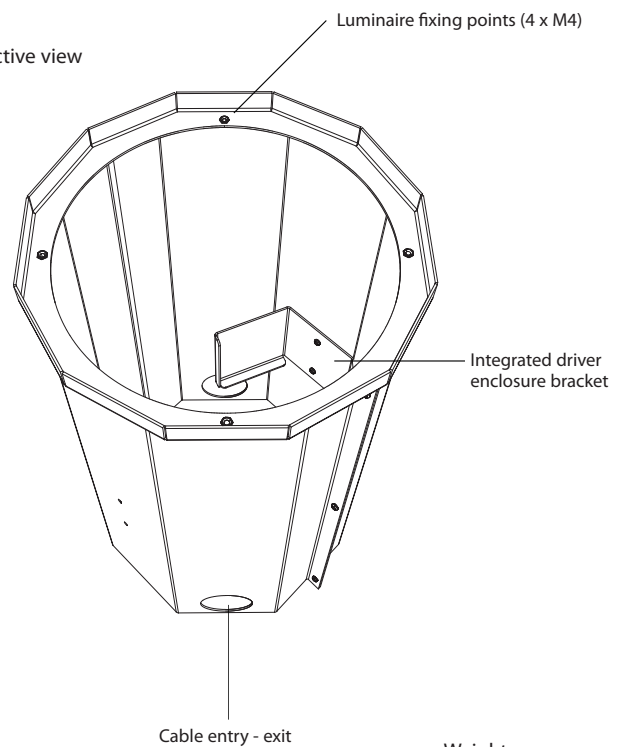
Left & Right view



Top view



Perspective view



Weight
Ground Mount - 4.5 kgs

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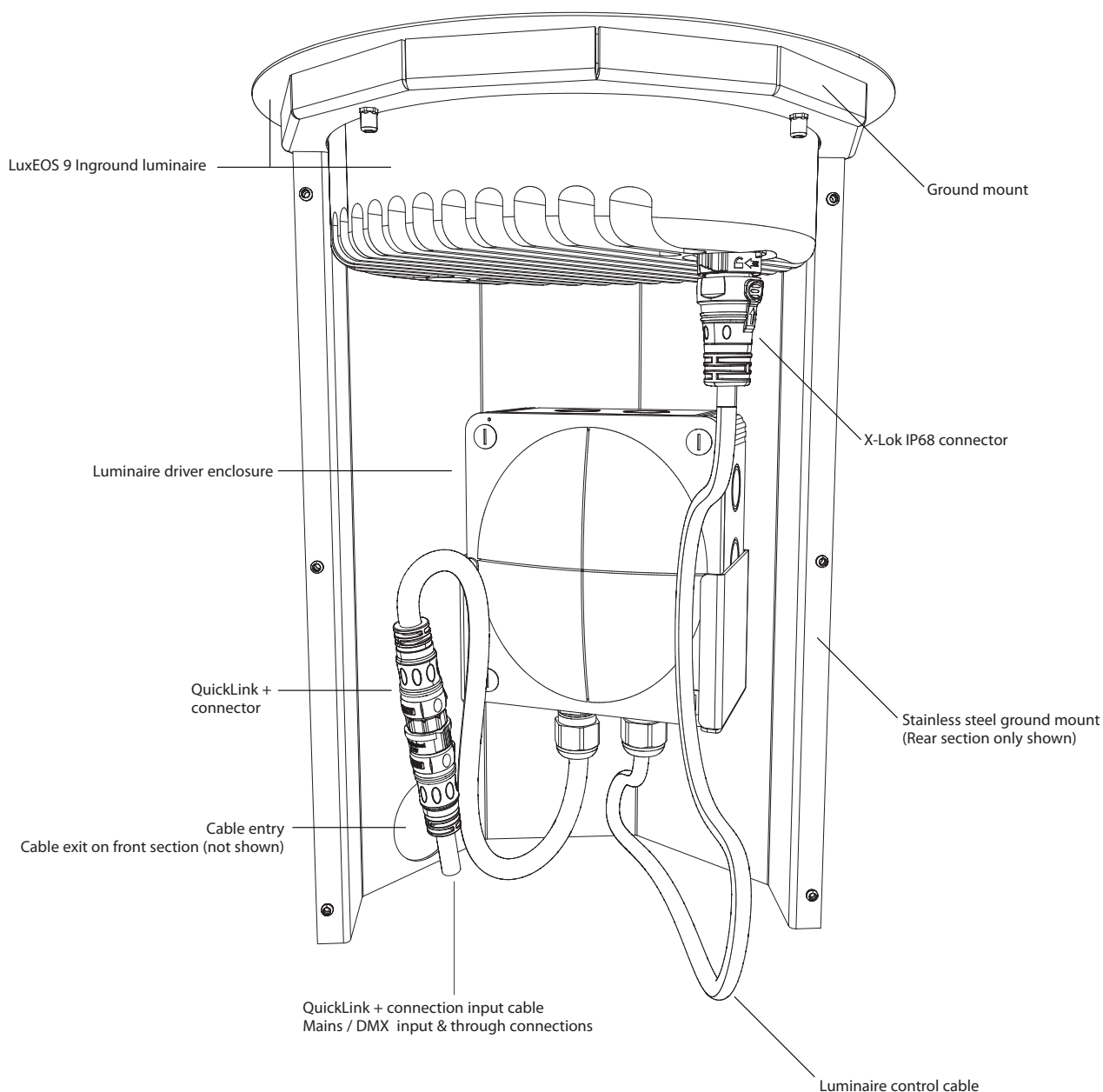
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LUXEOS 9 INGROUND - LUMINAIRE - DRIVER - GROUND MOUNT

Perspective view
Front inground panel omitted for clarity



















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ADDITIONAL INFORMATION

Key Feature Icons

 Ingress Protection Value	 Mechanical Impact Protection IK Value	 Operating Temperature Range	 Corrosion Resistant
 Warranty Period	 Operating Voltage Range	 Smooth Interbit Theatrical Dimming	 True Flicker Free Output
 Colour Rendering Index Value	 Single Bin LED Selection	 DMX 512 Control	 RDM Compliant
 LuxRamp For Maximum Output	 Homogeneous Colour Mixing	 Friction Glass Option	 QuickLink + Connections

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.

PULSAR

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