PULSAR

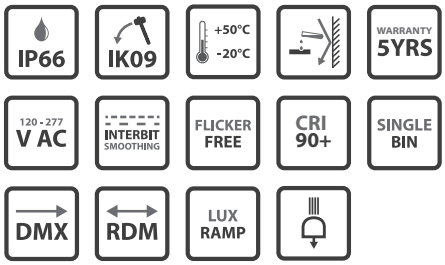
FIRA PRO FLOOD

Fira Pro Flood VIVID COLOUR & TUNABLE WHITE

COMPACT 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



LED COLOUR OPTIONS

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

FINISH OPTIONS

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.

HIGH PERFORMANCE

Flicker Free

100,000 hours L70 at 50°C

Single bin selected LEDs for colour consistancy.

TRUE THERMAL DESIGN

Venturi thermal design for maximum cooling and silent running.

Separated compartments for the LEDs and control electronics.

Intelligent thermal management.

DURABLE AND RELIABLE

Waterproof to IP66 with an IK9 rating

Cast LM6 aluminium

Corrosion resistant as standard

Toughened glass & marine grade fasteners.

CUSTOMISE TO YOUR SPECIFICATION

RAL paint finishes

Bespoke mounting brackets

Comprehensive range of beam angles are available

Single colour options.

UK DESIGN & MANUFACTURE

The Fira Pro range of products are designed and manufactured by Pulsar in Cambridge, UK.

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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 LEDs	16	16	16	16	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)	1078 lm	896 lm	834 lm	1660 lm	On enquiry
		Lumen maintainance	100,000 hours L70 at 50° C (Projected lifetime based on extrapolated LM-80 data)				
	Optics	Circular	12°	20°	40°	80°	Custom On enquiry
		Elliptical	12° x 60°	60° x 12°			
	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 - 277 V AC @ 50/60Hz.				
		Wattage	30W.				
		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	4.4 kgs (9.7lbs) 212mm (H) x 175mm (W) x 106mm (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 IK9.				
		Temperature range	-20 to +50°C.				
		Ingress protection	IP66 - Dry conditions and damp or wet interior/exterior environments.				
Accessories	**Installation**	Mounting Yoke	Integeral mounting yoke allowing the pan and tilt rotation of the luminaire.				
	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 Pulsar luminaires.				
		IP Enclosure +1m QuickLINK+ with QuickLINK Tails	An IP66 wiring enclosure with a 1m QuickLINK+ tail to plug into Pulsar 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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PART NUMBERS - Fira Pro & Fira Ultra

PART NUMBER STRUCTURE

OPTIONS	DESCRIPTION	LSQU	XXX.	XXXX.	XX.	XXXX.	XXX.	XX.	XX
FIRA	Fira luminaire	**FIRA**							
104 / 109	Luminaire size - 104 (Pro), 109 (Ultra)		**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.**			
012 / 020 / 040 / 080 / H02 / V02	Beam angle - 12° / 20° / 40° / 80° / H02 (12x60°) / V02 (60x12°)						**XXX.**		
not applicable								XX.	
not applicable									XX

Example : Fira Pro, RDM, VC 5700K, Silver, 40° = **FIRA104.RDM2.VC.9006.040.XX.XX**

FIRA OPTICAL CONTROL ACCESSORIES - PART NUMBERS

PART NUMBER STRUCTURE

OPTIONS	DESCRIPTION	FIRA	XXX.	XXXX.	XX.	XXXX.	XXX.	XX.	XX
FIRA	Fira accessory	**FIRA**							
104 / 109	Luminaire size - 104 (Pro), 109 (Ultra)		**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 : Fira Pro Louvre Black = **FIRA104.A001.XX.9005.XXX.XX.XX**

INSTALLATION ACCESSORIES

Description	Part Number
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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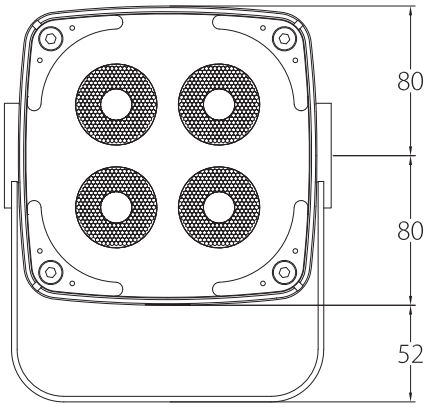
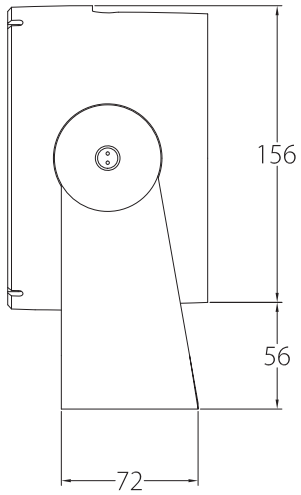
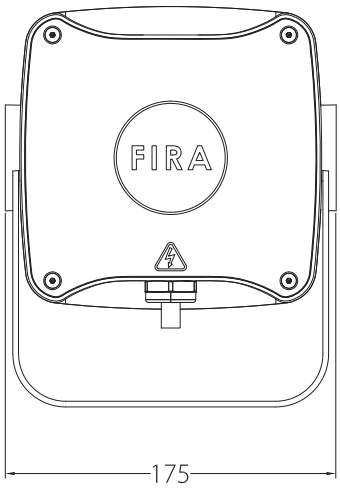
PRODUCT DRAWINGS (All dimensions in mm)

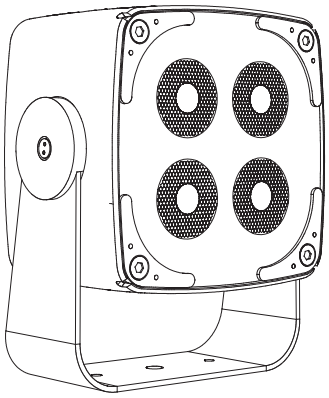


Rear view

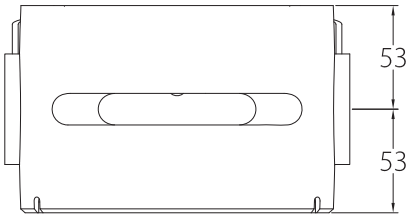


Perspective view





Top view



Weights

Fira Pro Flood 4.4 kgs (9.7lbs)

Dimensions

212mm (H) x 175mm (W) x 106mm (D)

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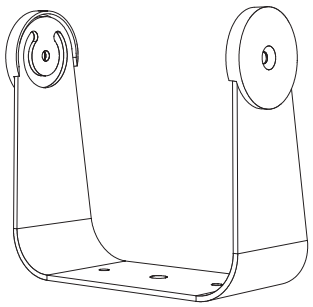
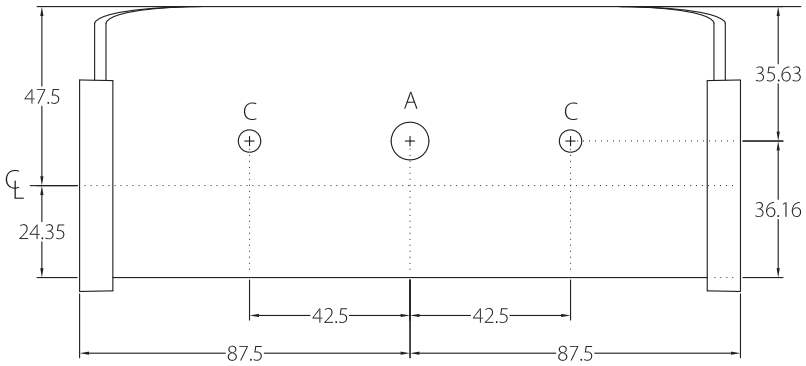
PRODUCT DRAWINGS

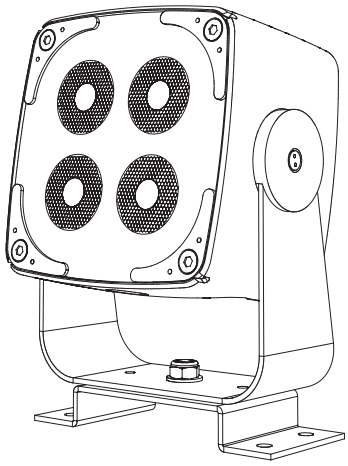


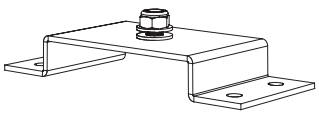
Top view



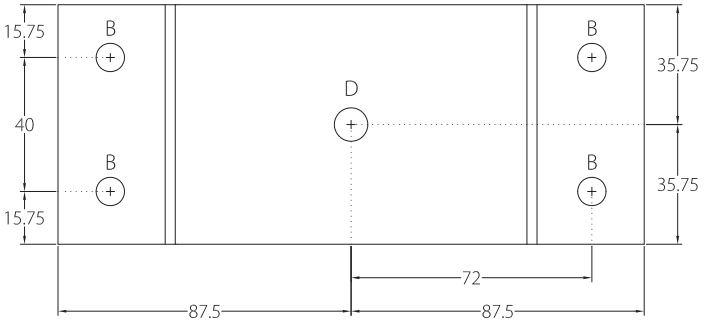
Optional Mounting Plate

An optional mounting plate is available, to fit the Fira Pro & Fira Ultra

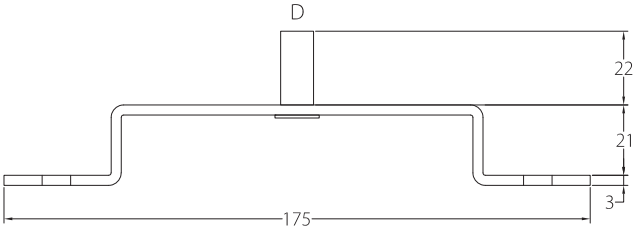




Top view



Side view



Hole details

(A) - Clearance for M10 fixings
(B) - Clearance for M8 fixings
(C) - Clearance for M6 fixings
(D) - M10 Stud for Standard Yoke

All dimensions in mm

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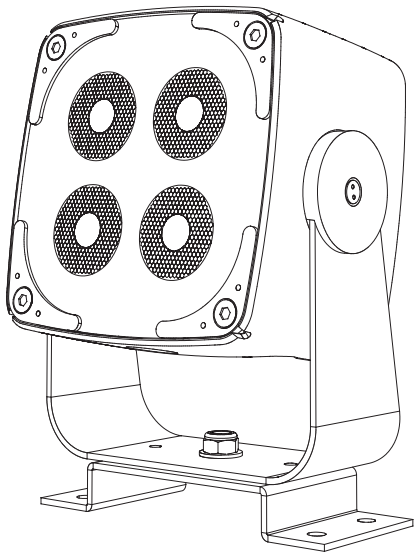
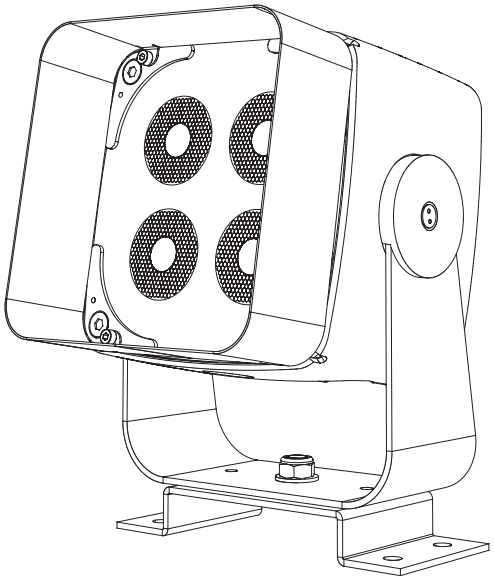
PRODUCT DRAWINGS

Fira Pro
With optional Mounting Plate



Fira Pro
With optional Mounting Plate
and 50mm Snoot



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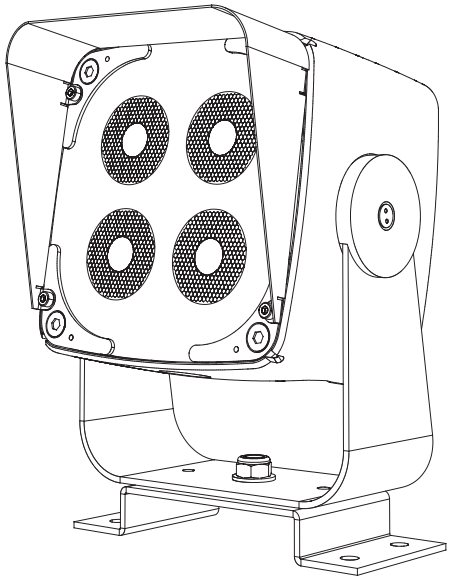
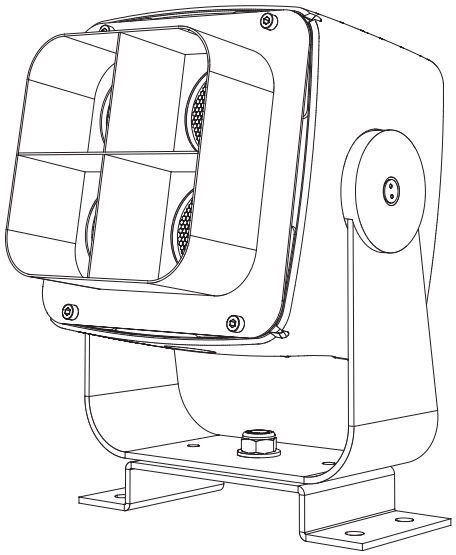
PRODUCT DRAWINGS

Fira Pro
With optional Mounting Plate
and Half Snoot



Fira Pro
With optional Mounting Plate
and Louvre



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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

Fira Pro luminaires may be safely earth bond and insulation tested (500V).

Standards

Fira Pro luminaires comply with the following international and national harmonised standards.

Electrical Safety - EN 60598, EN 60598-2-13, EN 61347
EMC - EN 55015, EN 61547
RoHS - EN 50581
Photobiological – EN 62471
WEEE - EN 50419
Protection – IP66 / IK9

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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