PXW125   (24W max.)

∅125mm 4-Colour LED Fountain Luminaire, with on-board current regulation.
Customer Ref: *Type "D"*

- **Ideal for use in fountains & water features**
- **High output, low profile**
- **Low voltage, high efficiency**
- **Long life - 50,000hrs typical**
- **High reliability, low maintenance**
- **Parallel wiring for ease of installation**
- **Robust 316 Stainless Steel housing**

Description

∅125mm LED fountain luminaire fitted with 20 x high power Osram "Oslon SSL150" LEDs. Constructed from a high performance, precision machined 316 stainless steel body with a toughened clear glass lens and Carclo IP-rated medium angle (15°) output optics. Terminated with a 4 metre, 5-core TPE flying lead (various lengths available) via an IP68 PG9 cable gland. This LED unit incorporates an on-board "Linear" regulation circuit, allowing the unit to be *wired in parallel* to a 24VDC constant voltage power supply.

Characteristics

Optical

Number of LEDs = 20 x high power Osram "Oslon SSL150" LEDs
Optic = Carclo IP-rated optics

LED Details:

Colour	CCT/nm	Output	CRI
Red	625nm	215lm	-
Green	525nm	330lm	-
Blue	470nm	90lm	-
Mid White	4000K	425lm	83

Note: Lumen output has been adjusted for a 90% optic efficiency.

Electrical

Operating Voltage = 23.0-25.0VDC (24.0VDC typ.)
Typical Current = 0.97A (975mA)
Configured in 4 strings of 5 LEDs, each string running at 243mA
Power Consumption = 24W max.
Above data is for njo P907 PCB
Termination = 5-core cable 0.5mm² CSA, O.D. 6.6mm (njo ref: W504)
Luminaire Classification = Class III
(In accordance with BS EN 60598-1:2008)

Mechanical

Bezel O.D. = ∅125.0mm
Body = Stainless Steel
Lens = 8.0mm clear toughened glass
Lens Diameter = ∅90.0mm
IP Rating = IP68
Product Weight = 2.0kg Stainless Steel

Selection Guide

PXW125-	SS-	RGBW-	NA-	C-	24-	4M
Product Series	**Housing**	**LED Colour**	**Output Angle**	**Lens**	**Voltage**	**Cable Length**
PXW125 = Fountain luminaire with on-board regulation, front bezel diameter 125mm.	**SS** = Stainless Steel Bezel & Body	**RGBW** = Red, Green, Blue & Mid White LEDs (Colour change)	**NA** = Narrow 15° *Angles quoted are "full angles"*	**C** = Clear	**24** = 24VDC (typical)	**1M** = 1 metre tail **4M** = 4 metre tail

Example **PXW125-SS-RGBW-NA-C-24-4M** (PXW125, Stainless Steel, RGBW Colour Change, Narrow Angle Optics, Clear Lens, 24VDC, 4 Metre Cable)
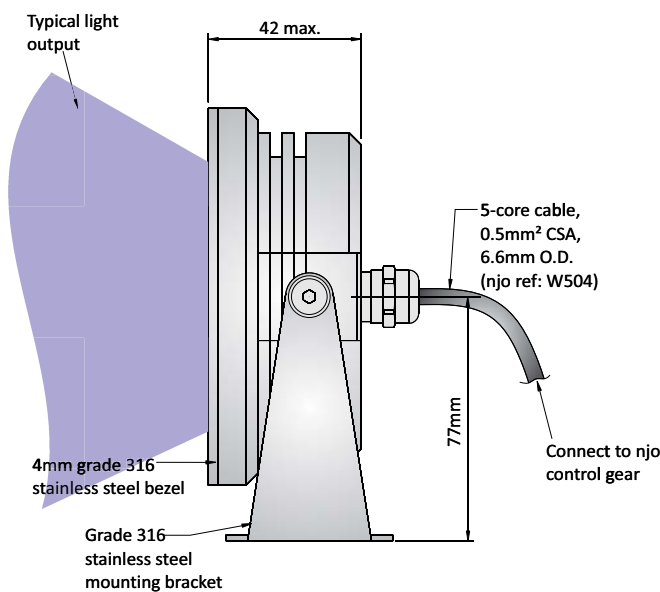
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**Customer Ref:** *Type "D"*

Mechanical Details

Side View

Typical light output

42 max.

5-core cable, 0.5mm² CSA, 6.6mm O.D. (njo ref: W504)

77mm

Connect to njo control gear

4mm grade 316 stainless steel bezel

Grade 316 stainless steel mounting bracket

(Standard bracket shown, scheme-specific design is available, please ask)

NOT TO SCALE

Front View

Ø125

Ø90

20x Ø10 optics

Height = 140 typ.
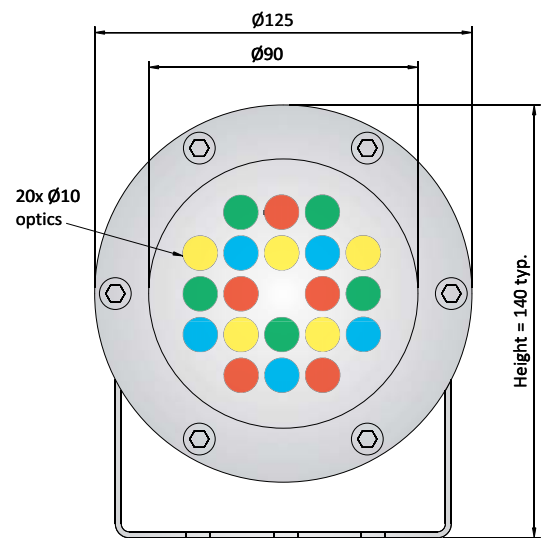
Dimensions are in mm.

N.B. The LED "colour" is only visible when the fitting is energised.

Bracket Fixing Detail

114.5

45.0

19.0

120°

22.0   22.0

① ② ③

4 HOLES Ø6.1
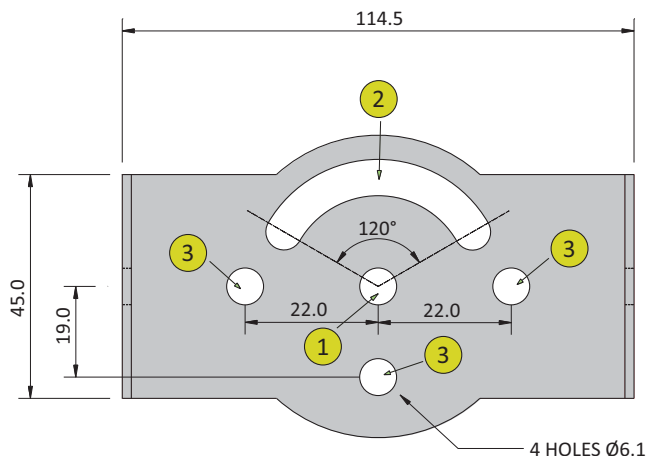
1) Fasten bracket to your desired mounting surface with 1 screw through hole 1 on the bracket - do not fully tighten yet.

2) Fix a screw through the centre of slot 2 - do not fully tighten yet.

This will now allow rotational adjustment if required. Once the bracket is in the desired position, the fixings can be tightened.

3) If the rotational adjustment is not required, then the bracket can be fixed via the 2 outer holes along the centre of the bracket (holes 3).

If additional strength is required screws can be fixed through the remaining positions.

The appearance and specifications of the product may be modified for improvement without notice.