

PXW163 (31W max.)

Ø163mm 4-colour LED
Spotlight, with on-board
current regulation



- Ideal for highlighting architectural details
- Low voltage, high efficiency
- Long life - 50,000hrs typical
- High reliability, low maintenance
- Parallel wiring for ease of installation
- Robust 316 Stainless Steel housing
- Dimmable light output (via njo DMX-based Control box)

Description

Dimmable LED spotlight luminaire fitted with 24 x high power Osram “Oslon SSL” LEDs. Constructed from a high performance, precision-machined body with a toughened clear glass lens and a choice of beam angles. Terminated with a 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*. Connect to **24VDC constant voltage** control gear and DMX512 source.

Characteristics

Optical

Number of LEDs = 24 x high power Osram “Oslon SSL” LEDs

Optic = Carclo IP-rated optics

LED Details

Colour	nm/CCT	Output	CRI
Red	625nm	480lm	-
Green	525nm	740lm	-
Blue	470nm	205lm	-
Mid White	4000K	955lm	83
Warm White	3000K	900lm	83

Note: Lumen output accounts for a 90% optic efficiency.

Electrical

Operating Voltage = 23.0-25.0VDC
(24.0VDC typ.)

Typical Current = 1.28A

Configured in 4 strings of 6 LEDs, each string running at 320mA.

Power Consumption = 31W max.

Above data is for njo P901 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. = Ø163.0mm

Body = Stainless steel

Lens = 8.0mm clear toughened glass

Lens Diameter = Ø128.0mm

IP Rating = IP68

Product Weight = 2.6kg Stainless Steel

Selection Guide

PXW163-	SS-	RGBWW-	MA-	C-	24-	6M
Product Series	Housing	LED Colour	Output Angle	Lens	Voltage	Cable Length
PXW163 = Spotlight luminaire with on-board regulation, front bezel diameter 163mm.	SS = Stainless Steel Bezel & Body	RGBMW = Colour change (Red, Green, Blue and Mid White LEDs) RGBWW = Colour change (Red, Green, Blue and Warm White LEDs)	NA = Narrow 15° MA = Medium 30° <i>Angles quoted are “full angles”</i>	C = Clear	24 = 24VDC (typical)	2M = 2 Metre Cable 4M = 4 Metre Cable 6M = 6 Metre Cable (if a 1 metre cable is fitted, no code needs to be added)

Example PXW163-SS-RGBWW-MA-C-24-6M (PXW163, Stainless Steel, Colour Change (RGBWW), Medium Angle Optics, Clear Lens, 24VDC, 6 Metre Cable)

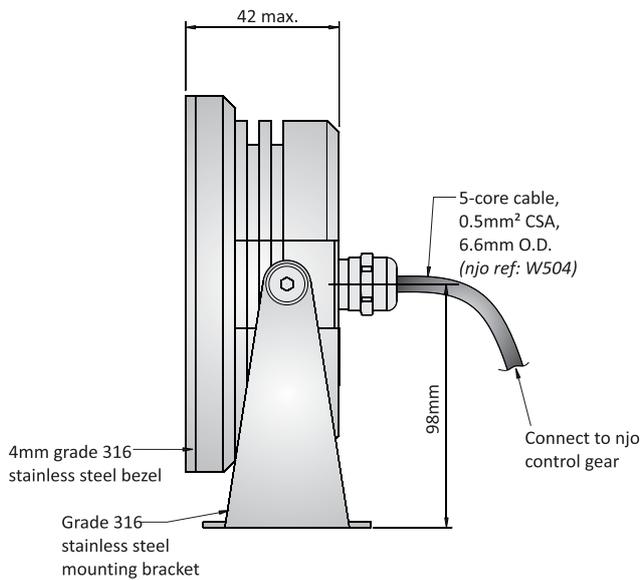
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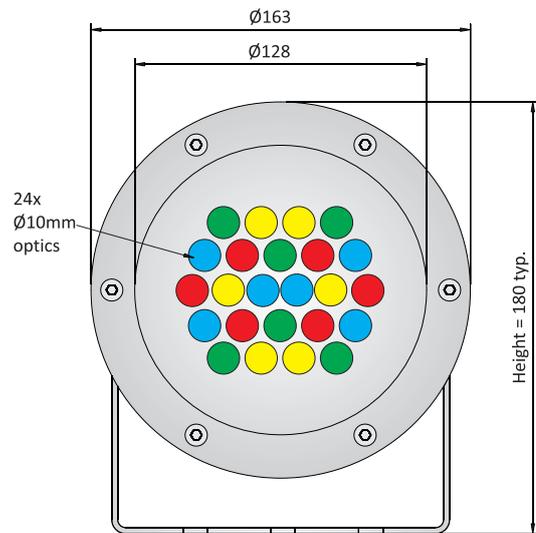


Mechanical Details

Side View



Front View



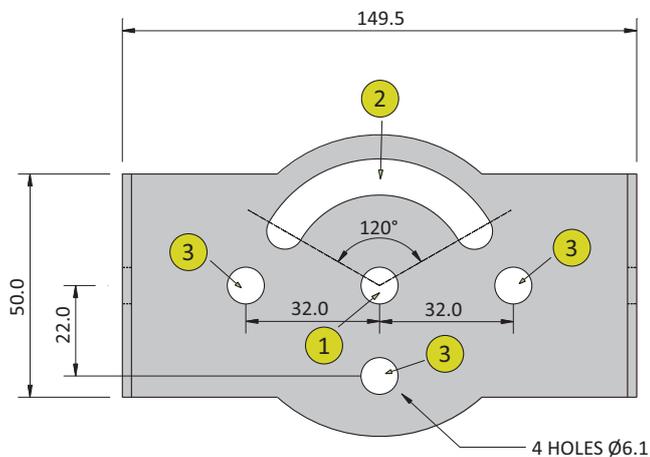
Dimensions are in mm.

(Standard bracket is shown here, scheme-specific bracket designs are available, please ask)

NOT TO SCALE

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

Bracket Fixing Detail



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.