

DSD-PSQ Series (20W/max)

Linear LED Luminaire



- Compact IP68 linear LED luminaire
- Range of ultrabright LED colours
- Robust, corrosion-resistant construction
- Low voltage, high efficiency
- High reliability, low maintenance
- Long Life - 30,000hrs typical



Description

The LED array unit is fitted with 40 x high brightness Osram "Oslon" LEDs per metre and uses a 316 stainless steel housing and a clear polycarbonate lens. Each LED unit is terminated with free-issued cable(s). Fittings can be placed end-to-end to create long lines of light. These luminaires are fitted with on-board "Linear" regulation, providing simple parallel connection to a 24VDC PSU. Multiple LED units can be connected to a PSU. A full range of njo control gear is available.

Characteristics

Optical

Number of LEDs = 40 LEDs per metre
(Configured in "Series strings" of 5 or 6 Osram Oslon LEDs)

Illuminated Area = 24mm x length

Optics = Fitted with Carclo IP-rated optics

LED Data.

Colour	CCT	Lm/m (max)	CRI
Cool White	6500K	2,500	70 typ
Mid White	4000K	2,200	83 typ
Warm White	3000K	2,000	83 typ

Note: Lumen output shown has been adjusted to account for 87% optic efficiency.

Electrical

Operating Voltage = 23.5-25.0VDC

Type	No./LEDS	Current	Power
DSD-PSQ-600	24	0.67A	16W
DSD-PSQ-750	30	0.83A	20W

(LED drive current is 114mA)

Above data is for njo P923 PCB

Termination = Free issued cable & connectors

Luminaire Classification = Class III

(In accordance with BSEN 60598-1:2008)

Mechanical

LED Unit = grade 316 stainless steel

LED Unit Width = 28mm

Lens = 10mm clear uv-stable polycarbonate

Environmental Protection = IP68

Product Weight:

DSD-PSQ-600 = 1.5kg

DSD-PSQ-750 = 1.9kg

Selection Guide

DSD-PSQ-750-

Product Series

DSD-PSQ = LED Top Unit
750 = Unit length (mm)

CW-

LED Colour

CW = Cool White (6500K)

MW = Mid White (4000K)

WW = Warm White (3000K)

(Other CCTs/colours are available)

19-

Optic Angle

19 = 19° (Narrow)

30 = 30° (Medium)

EL = 45° x 16° (Elliptical)

C-

Filter Type

C = Clear

24

Voltage

24 = 24VDC

Example **DSD-PSQ-750-CW-19-C-24** (DSD-PSQ-750mm, Cool White LEDs, 19° Optic Angle, Clear Filter, 24VDC)

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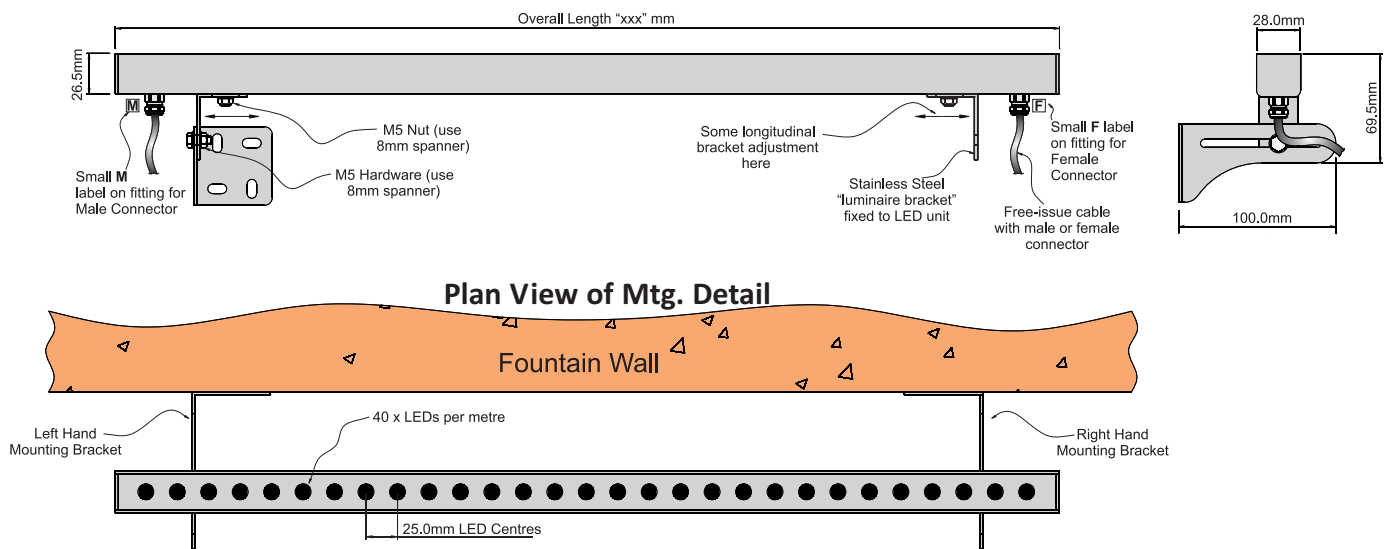
Linear LED Luminaire



Mechanical Details

Front View

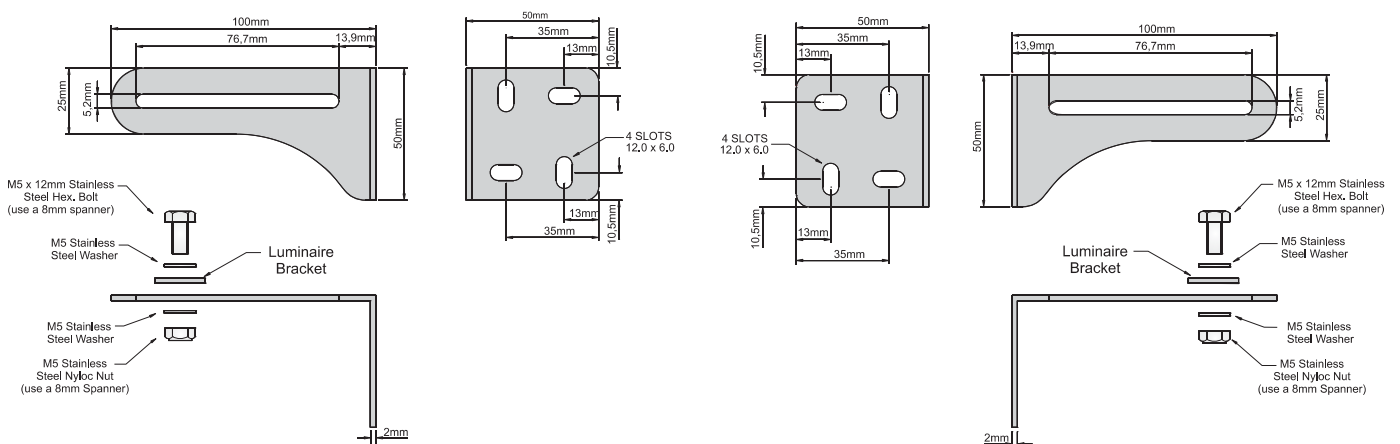
Side View



Mounting Hardware

Left Wall Hand Mounting Bracket

Right Wall Hand Mounting Bracket



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