LDX Series (32W/m)

High Power RGB LED Luminaire, IP-rated
24VDC, 42 LEDs/metre

- **Ideal for uplighting & wall washing**
- **Wide range of ultrabright colours**
- **Parallel wiring for ease of installation**
- **Low running costs, long life, low maintenance**
- **Custom lengths to suit the scheme**
- **IP40 Rating for internal use**

Description

High performance linear LED luminaire constructed from a powder coated aluminium extrusion fitted with high power Osram "Oslon SSL" LEDs (42 LEDs per metre) with Ledil secondary output optics and a polycarbonate filter. Each LED unit features on-board "linear" current regulation allowing straightforward *parallel wiring*. Each LED unit is also pre-wired with a 2 metre, 4-core tail (other cable lengths available). Cable exit via an IP-rated cable gland in the endplate. Standard fitting lengths available from 495mm up to 1755mm in 420mm increments. The LED units are powered by a Control Box, configured to suit the scheme, and controlled by a DMX512 controller *(please contact us to discuss Control Gear options)*.

Characteristics

Optical

Number of LEDs = 42 per metre
(Osram Oslon SSL)
Optics = Fitted with Ledil "Heidi" optics
LED Data:-

Colour	W'length	lm/metre
Red	630nm	410
Green	525nm	680
Blue	470nm	235

Note: Lumen output shown has been adjusted to account for 85% optic efficiency.

Electrical

Operating Voltage Range = 23.0-25.0VDC
(24VDC typ.)
Typical Current = 1.31A max. per metre
Power Consumption = 32W max. per metre
(This data is for "P786" PCB, Group Colour)
Termination = 2 metre, 4-core cable,
0.5mm^2 CSA, 6.3mm O.D. (njo ref. W409)
Luminaire Classification = Class III
(In accordance with BS EN 60598-1:2008)

Mechanical

Housing = powder-coated aluminium
Filter = polycarbonate
End Plates = injection moulded polycarbonate
Mounting Brackets = stainless steel, powder-coated
IP Rating = IP65
Product Weight = 1.5kg per metre

Selection Guide

LDX1755-	PW-	RGB-	26-	C-	24-	2M
Product Series	**Housing**	**LED Colour**	**Output Angle**	**Filter Type**	**Voltage**	**Cable Length**
LDX = High power linear LED unit	**PW** = Powder Coated White (RAL9010)	**RGB** = Colour Change (Red, Green & Blue)	**9** = Narrow 9°	**C** = Clear	**24** = 24 VDC	**1M** = 1 Metre Cable
1755 = LED unit length in mm	**PS** = Powder Coated Silver (RAL9006)		**26** = Medium 26°	**D** = Diffused		**2M** = 2 Metre Cable
	CP = Custom Colour Powder Coated		**40** = Wide 40°			**5M** = 5 Metre Cable
			EL = Elliptical 50° x 8°			

Example **LDX1755-PW-RGB-26-C-24-2M** (LDX1755mm, Powder-Coated White, Colour Change, 26° Output Angle, Clear Filter, 24VDC, 2 Metre Cable)
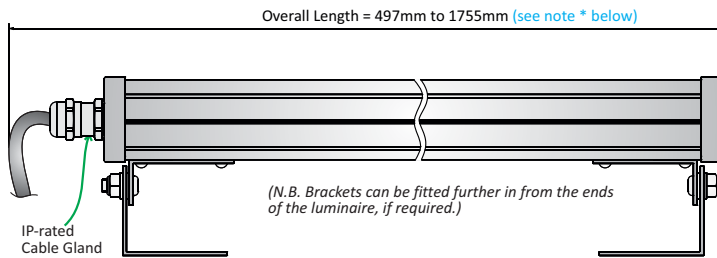
LDX Series (32W/m)
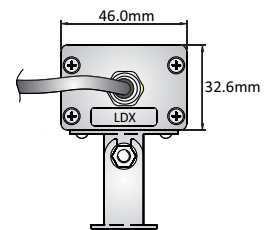
High Power RGB
LED Luminaire, IP-rated
24VDC, 42 LEDs/metre

njo creative leds

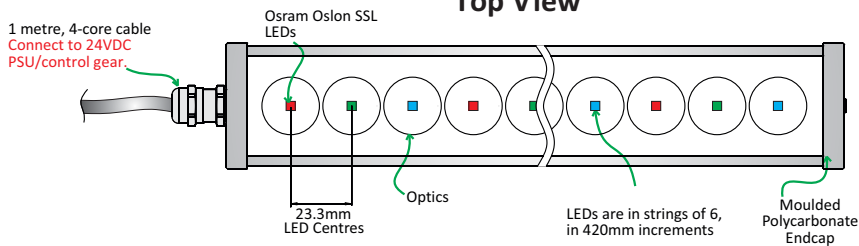
Mechanical Details

Side View

Overall Length = 497mm to 1755mm (see note * below)

(N.B. Brackets can be fitted further in from the ends of the luminaire, if required.)

IP-rated Cable Gland

* Overall length is "endplate-to-endplate", together with a small allowance for a cable bend radius.

End View

46.0mm

32.6mm

LDX

Top View

1 metre, 4-core cable
Connect to 24VDC PSU/control gear.

Osram Oslon SSL LEDs

Optics

23.3mm LED Centres

LEDs are in strings of 6, in 420mm increments

Moulded Polycarbonate Endcap

Part Number Overall length	Number of LEDs	Max Current	Wattage
LDX 495	18	0.56A	14W
LDX 915	36	1.11A	27W
LDX 1335	54	1.67A	40W
LDX 1755	72	2.20A	53W

Other lengths available.

Mounting Details

i, Mounting Bracket

20mm
6.5mm
34.2mm
40mm
25mm

24mm, 7mm
7mm
7mm
25mm
5mm

ii, Mounting Hardware

No.4 x 6.5mm Self Tapping Screw

Extrusion Bracket *(can be fixed anywhere along the length of the fitting)*

Button Head M5 Screw (use 3mm hex key)

M5 Nyloc Nut (use 8mm spanner or socket)

M5 Plain Washer

Mounting Bracket

iii, Typical Wiring

1 metre, 4-core tail

LDX LED Unit

J

Suitable joint box

Typical Constant Voltage 24VDC Power Supply

24VDC PSU

230VAC Input
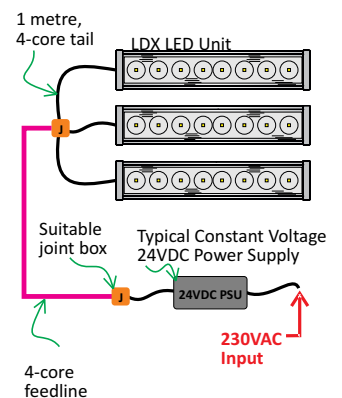
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4-core feedline
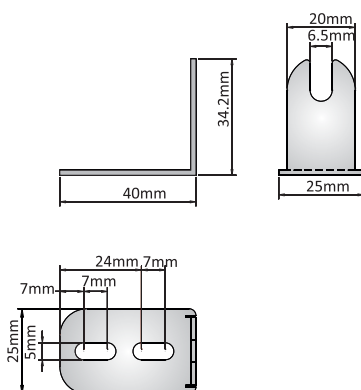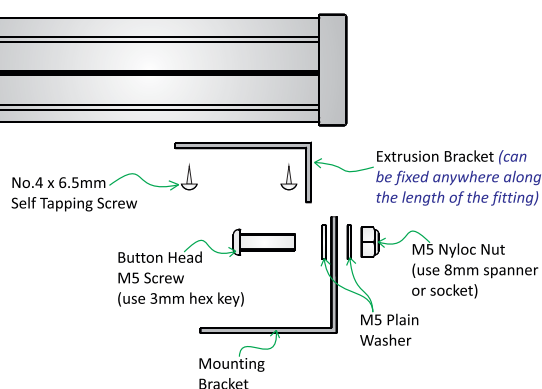
The appearance and specifications of the product may be modified for improvement without notice.