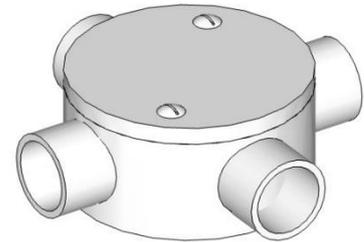


DATASHEET – CONDUIT DOT PRO 1W



OVERVIEW

Conduit dot is system and architectural fitting based around the widely used galvanised metal conduit. The Pro range provides a plug and play system that can be installed on site. The fixtures replace existing junction boxes but functions in a similar way standard conduit.

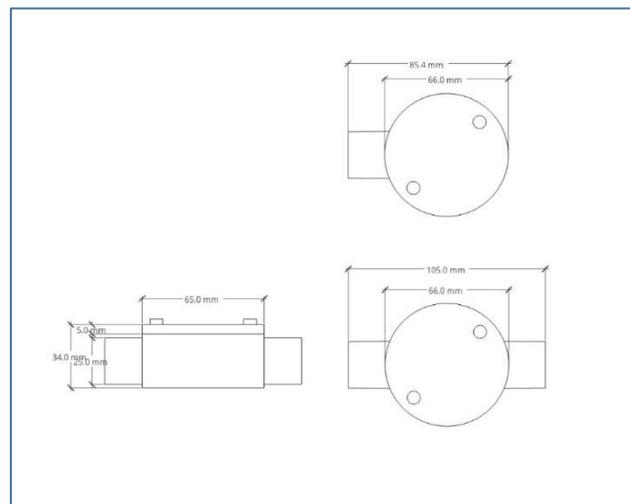
TYPICAL APPLICATIONS

- Commercial and Residential Architectural Lighting
- Decorative and Entertainment spaces
- Indoor/Outdoor
- Bar and Retail designs
- Signage

TECHNICAL SPECIFICATION

Conduit Dot 1W

Forward Voltage Vf	3.3V
Constant Current Icc	350mA
Weight	0.3 Kg
Conduit Size	M20x1.5 (20mm)
Input cable	1m
Link output cable	0.12m
CRI	>70
Luminosity 1W	70lx @ 500mm
Colour Temp Typ.	WW 2700-2800K CW 4500-5650K



D8 Driver

Input Voltage	100 – 240Vac 50/60Hz
Drives	4-7 Dots
Dimensions (D8)	80 x 30 x 25
Dimensions (D8-Galv)	100 x 150 x 50
Input cable dia	8mm -4mm
Dimmable	NO

D16 Driver

Input Voltage	100 – 240Vac 50/60Hz
Drives	8-14 Dots
Dimensions (D16)	80 x 30 x 25
Dimensions (D16-Galv)	100 x 150 x 50
Input cable dia	8mm -4mm
Dimmable	NO

D35 Driver

Input Voltage	100 – 240Vac 50/60Hz
Drives	9-30 Dots
Dimensions (D35)	80 x 30 x 25
Dimensions (D35-Galv)	100 x 150 x 50
Input cable dia	8mm -4mm
Dimmable	NO

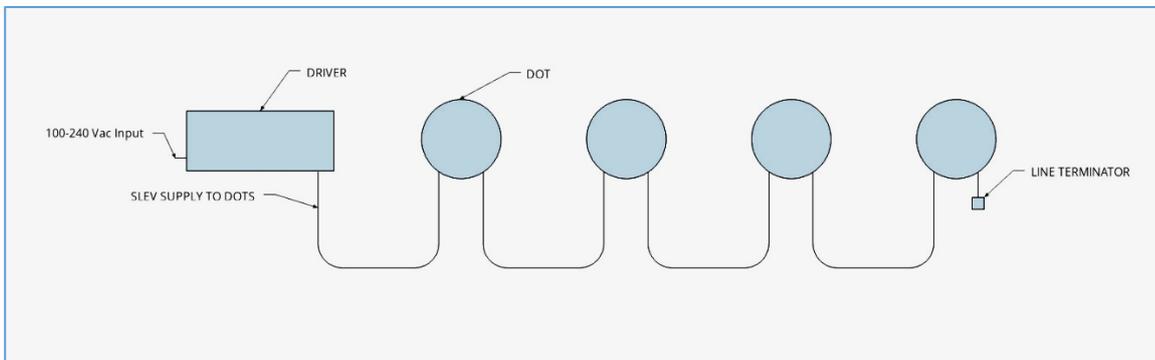
DETAILED DESCRIPTION

Each system comprises of a driver unit with at least four of conduit dots. All devices are connected via two core cable supplied with connectors, with each dot having a link though connector. Individual systems can have between 4 to 30 dots from one driver. Care must be taken to select a suitable driver, note larger drivers have minimum dot values.

Driver	Number 1W Dots	
D8	4 to 7	
D16	8 to 14	
D35	9 to 30	

Each dot had 1m of cable on the input. The link though is local to the box and I typically located in the end of the conduit to avoid shadowing the lens. Extension cables are available as required (see accessories).

Each dot system is powered via a D-series driver. Connecting to the Dots is via miniature 2 pole connectors. From the driver each dot link to the next with a 1m tail. Extension cables are available for larger spacing. The end of the run is then terminated with a line terminator plug, supplied with the driver.



To help with larger system there is a splitter accessory. This enables a Y-split in the wiring. All lines must be terminated for the system for function correctly. An additional terminator is included with each splitter. Note high numbers of splits in a system can increased to complexity of fault troubleshooting.

The drivers are available in either a galvanised enclosure or as an un-housed driver. The driver can be located at up to 40m from the first dot.

Galvanised Enclosure Driver

The enclosure is supplied with a 20mm conduit coupler and bush for the LED side and a brass gland for the power supply cable. Knock outs are provided for cable entry location. Main input is via internal terminal bock.

Un-Housed Driver

Basic driver unit. Typically located in ceiling void. Supplied with LV connector for the LED side and enclosed terminal box for the mains.

ORDER CODES

Conduit Dots

Code	Description	Source
CD1WW-0	Rear Entry Box	1W Warm White
CD1WW-1	1 Way End Box	1W Warm White
CD1WW-2T	2 Way Thru Box	1W Warm White
CD1WW-2E	2 Way Elbow Box	1W Warm White
CD1WW-3T	3 Way Tee Box	1W Warm White
CD1WW-4x	4 Way Crossover Box	1W Warm White
CD1CW-0	Rear Entry Box	1W Cool White
CD1CW-1	1 Way End Box	1W Cool White
CD1CW-2T	2 Way Thru Box	1W Cool White
CD1CW-2E	2 Way Elbow Box	1W Cool White
CD1CW-3T	3 Way Tee Box	1W Cool White
CD1CW-4x	4 Way Crossover Box	1W Cool White

Drivers

CODE	DESCRIPTION
D8-Galv	8W Driver Galvanised Enclosure
D8	8W Driver NO enclosure
D16-Glav	16W Driver Galvanised Enclosure
D16	16W Driver NO enclosure
D35-Glav	35W Driver Galvanised Enclosure
D35	35W Driver NO Enclosure

Accessories

CODE	DESCRIPTION
Ext-0.5	0.5m Led extension cable
Ext-1	1m Led extension cable
Ext-2	2m Led extension cable
Ext-5	5m Led extension cable
Ext-10	10m Led extension cable
Ext-20	20m Led extension cable
TERM	End of run terminator

CONTACT

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