

Outdoor RGBW pixel Dot
For using together with Lucenti PixlConverter and Lucenti PixlDrive controllers



SKU

LU-D01-CL-20-10	Lucenti Dot One, clear, 20cm pitch, string with 10 dots
LU-D01-CL-20-25	Lucenti Dot One, clear, 20cm pitch, string with 25 dots

GENERAL

Product name	Dot One
Description	String with RGBW pixel dot
Light color	RGBW White CCT: 6000K
Controllable	Each dot is individually controllable
Dot pitch String length	See models / SKU

ELECTRICAL

Voltage	24V (Powered by PixlConverter by PixlBus by PixlDrive 1 or 8 Pro)
Power	1,8 W / dot (all channels RGBW @Full)
Working temperature	Ta max: 45 °C
Connectors	Pixl input, Pixl output: Lucenti proprietary 3 pin connector

MOUNTING OPTIONS

- Front wall mounting option
- Reverse mounting (see mounting bracket)
- Front accessory mountable

The customer can mount accessories on the front of the dot. Eg custom 3d printed caps such as decoration objects.

We can provide CAD design template of front mount so customers can make their own design.



Example of front mounted accessory

LIMITS

Extension cable

Max 5m in between 2 Dot One products or in between PixlConverter and Dot One.

Use max 30m of "Lucenti Pixl" extension cable in total!

Limit daisy chaining of multiple Dot One Strings to 200W (sum of power of each daisy chained Dot one)
The dot consumes max 1,8W. This means around 110 dots can be used on full power on the output of the PixlConverter.

Power limit

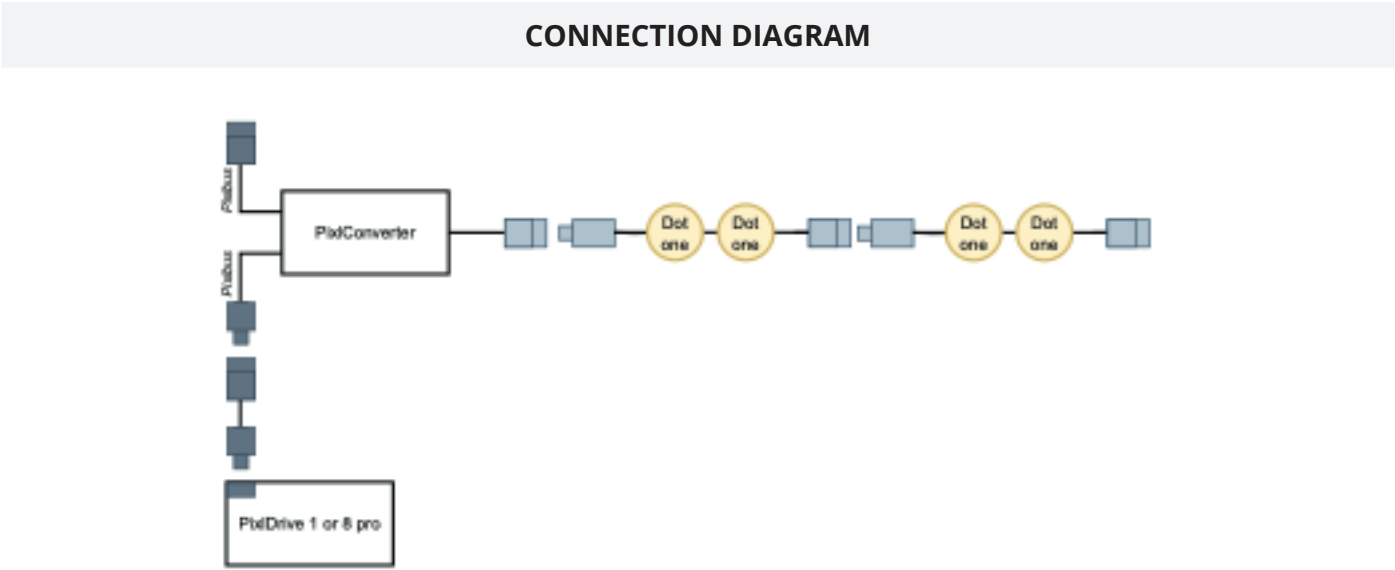
*In limit cases, the PixlDrive controllers can be configured to limit the power. This will reduce the power consumption of the dots and thus allow more dots on 1 PixlConverter output
(also see specs of PixlConverter and PixlBus controller)*

Max 160 RGBW pixels on the "Pixl out" port of a PixlConverter.

Data limit

A pixlBus port on PixlDrive 1 or 8 Pro supports 400 RGBW pixels. Multiple PixlConverters can be daisy chained to effectively use these 400 pixels

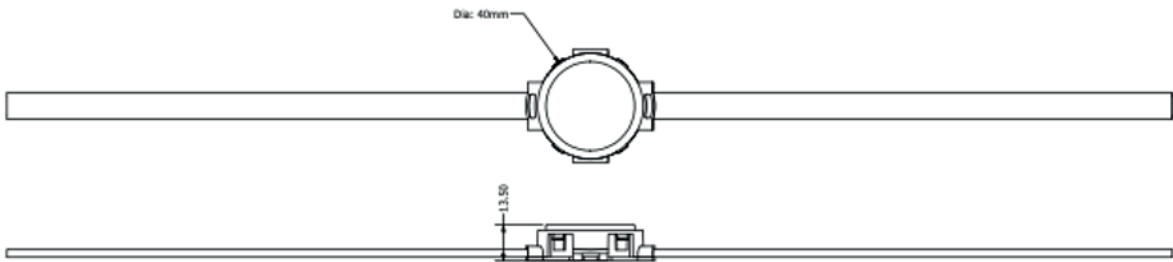
CONTROLS	
	Use this product together with Lucenti PixlDrive controller and a Lucenti PixlConverter
IP Rating	IP66
Dimension (mm)	1 dot: diameter: ±40mm, thickness: 14mm



Certification	CE
Weight	± 0,026 kg/dot
packaging	

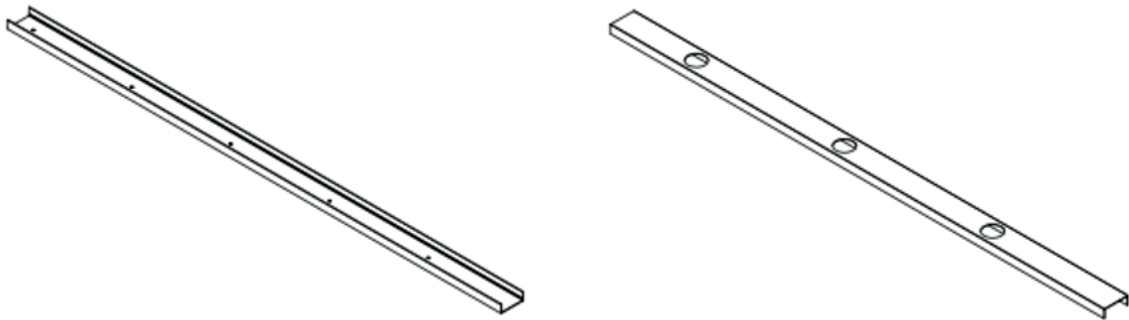
MODELS		
Name	PN	
Lucenti Dot One clear string 2m	LU-D01-CL-20-10	String with 10 dots with spacing of 20cm Typical length = 2m
Lucenti Dot One clear string 5m	LU-D01-CL-20-25	String with 25 dots with spacing of 20cm Typical length = 5m
Lucenti Dot One frosted string 2m	LU-D01-CL-20-10	String with 10 dots with spacing of 20cm Typical length = 2m
Lucenti Dot One frosted string 5m	LU-D01-CL-20-25	String with 25 dots with spacing of 20cm Typical length = 5m

DIMENSIONAL DRAWING



ACCESSORIES

Dot wall mounting profile



Use Examples



Weight

1,375 kg (for 2,5m)

SKU

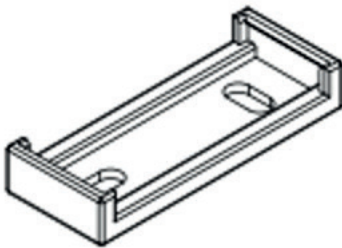
LU-DWMT-20

Dot wall mounting track, bottom and top profile, hole pitch: 20cm, black, length: 2,5m

DOT MOUNTING BRACKET



Detail D
Scale 1:1



Weight	0,01 kg
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SKU

LU-DMB	Dot mounting bracket
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