YY SERIES / PRODUCT OVERVIEW

YY Series

Round LED Pixel Lights

YY round nodes trace a roofline as a row of individual points. In a media façade, a compatible controller maps video to the grid of addressable nodes for playback.

CUSTOM OPTIONS

We can match the housing colour to the façade finish and adjust the rated power per node and the spacing along each string.



CDL-YY1-M1-C1



CDL-YY3-M1-C1



CDL-YY6-M1-C1

STANDARD MODELS

Model	Input voltage	Rated power per node	LEDs per node
CDL-YY1-M1-C1	5 V DC	0.3 W	1
CDL-YY3-M1-C1	12 V DC	1 W	3
CDL-YY6-M1-C1	24 V DC	1.5 W	6

APPLICATIONS

Rooflines, hotel entrances and media façades.

YY SERIES / CONSTRUCTION & APPLICATION

Built for exterior pixel lighting

Round optical form / IP67 construction

YY combines a circular optical cover with a mounting base for strings of individual light points. Three node sizes support different façade layouts.

Polycarbonate cover

UV-resistant, flame-retardant polycarbonate protects the optical assembly. Clear and opal covers provide a choice of light appearance.

Dual-layer water protection

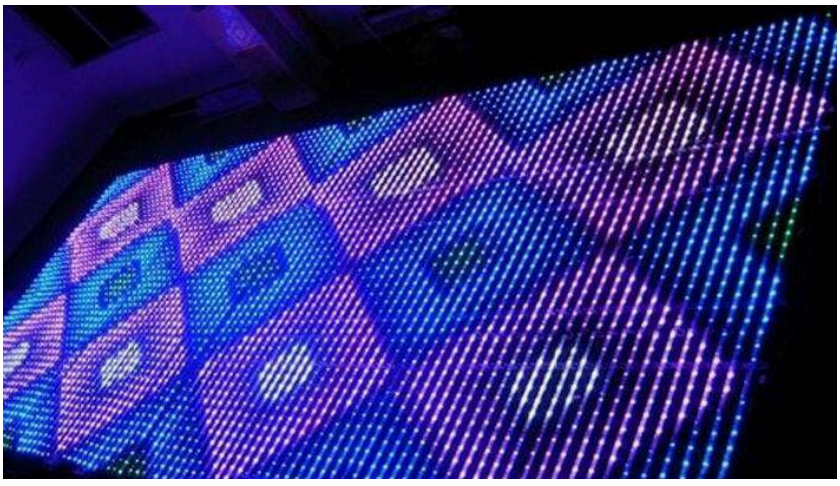
Rear silicone encapsulation and a dual-layer housing seal protect the electronics in outdoor installations. The luminaire is rated IP67.

Heat-dissipating base

The base incorporates heat-dissipating features to carry heat away from the LED assembly.

Round points in rows or grids

Set the node spacing to trace an edge, frame an entrance or build a dot pattern. Aluminium mounting channels keep the selected nodes aligned.



Coloured graphics on a façade pixel grid

Video across a pixel grid

On a media façade, each round node forms one point in the image. Closer spacing lets viewers distinguish finer details at street level. Broad shapes and colour transitions remain legible across wider gaps.

YY SERIES / TECHNICAL DATA

Technical specifications

Round LED Pixel Lights

Parameter	Specification
Housing material	Polycarbonate (PC)
Optical cover	Clear / opal
Beam angle	120°
Viewing angle	180°
Light colour	White / RGB / RGBW / Single Colour
Control options	SPI (TTL) / DMX512 / ON/OFF
Node density	5 / 6 / 8 / 10 nodes/m
Custom node spacing	Available to suit the project layout
Signal connection	Daisy-chain wiring to suit the control system
Ingress protection	IP67
Impact resistance	IK10
Warranty	5 years

PIXEL CONTROL

For animation and video, specify a pixel-controlled version and compatible controller. Include the node layout and viewing distance with the project brief.

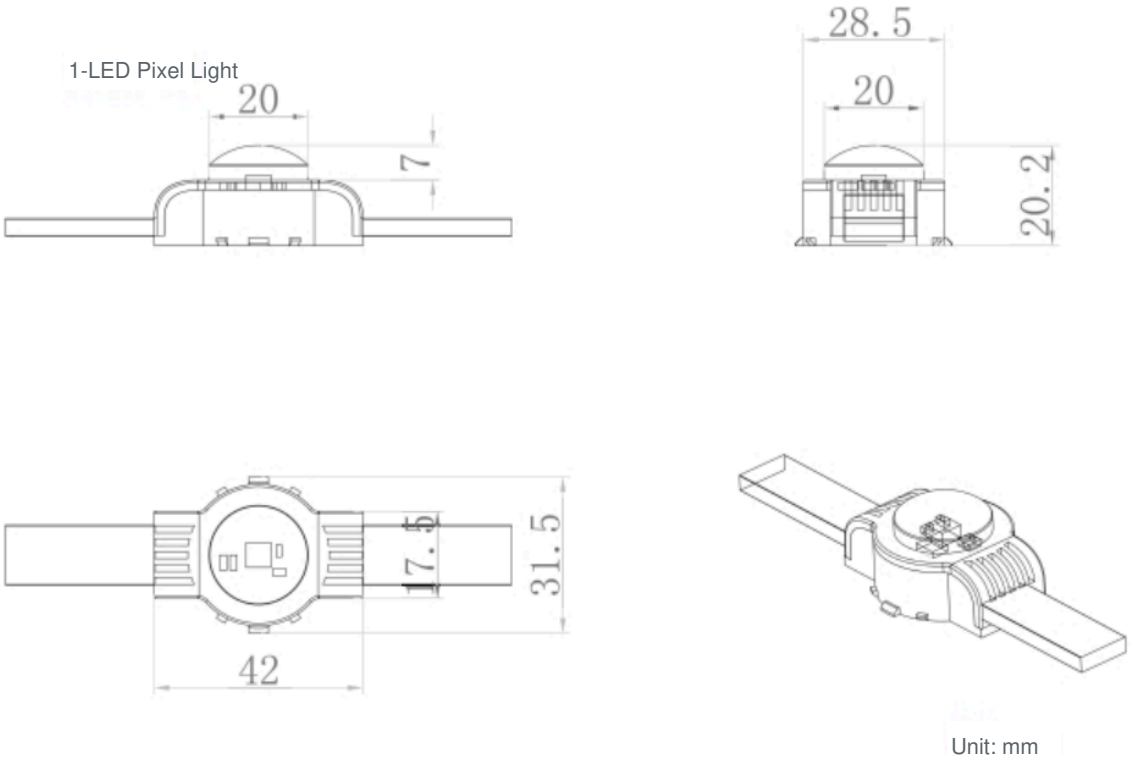
YY SERIES / DIMENSIONS & MOUNTING

Dimensions & mounting

CDL-YY1-M1-C1

PRODUCT DIMENSIONS

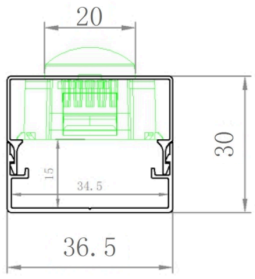
mm



Unit: mm

Overall width including flanges: 42 mm

ALUMINIUM MOUNTING CHANNEL



Channel (W × H)

36.5 × 30 mm

Upper fixture span

20 mm

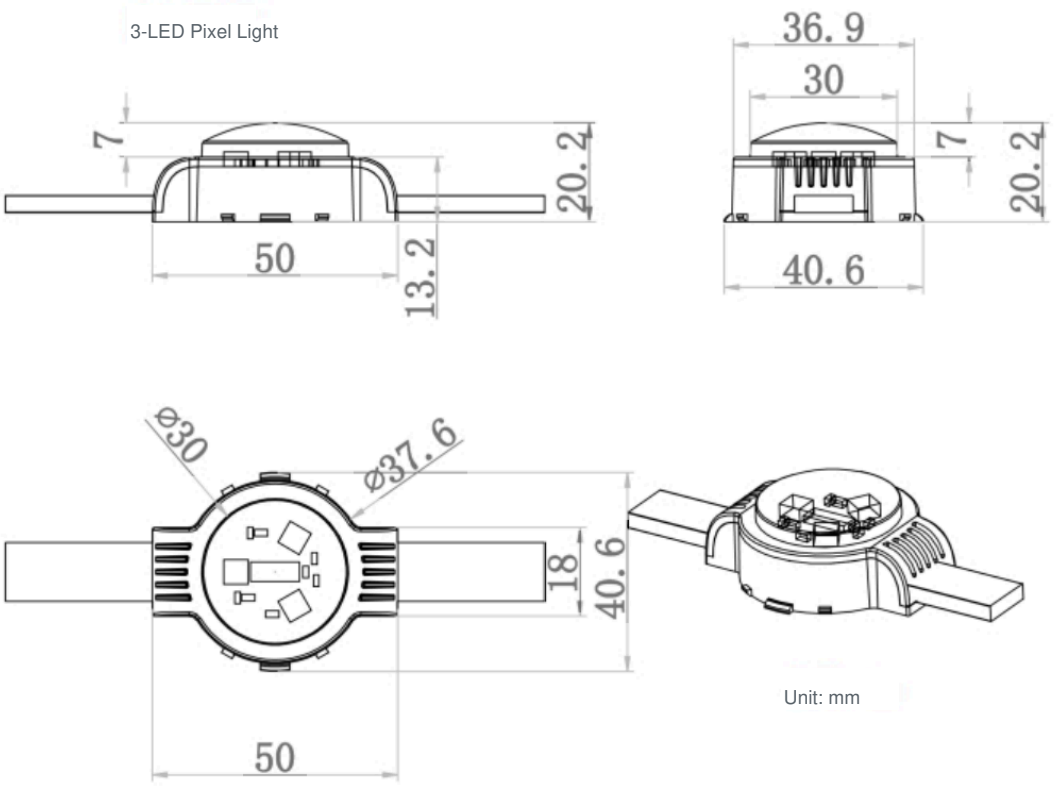
YY SERIES / DIMENSIONS & MOUNTING

Dimensions & mounting

CDL-YY3-M1-C1

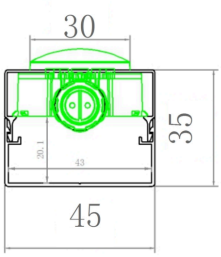
PRODUCT DIMENSIONS

mm



Overall width including flanges: 50 mm

ALUMINIUM MOUNTING CHANNEL



Channel (W × H)

45 × 35 mm

Upper fixture span

30 mm

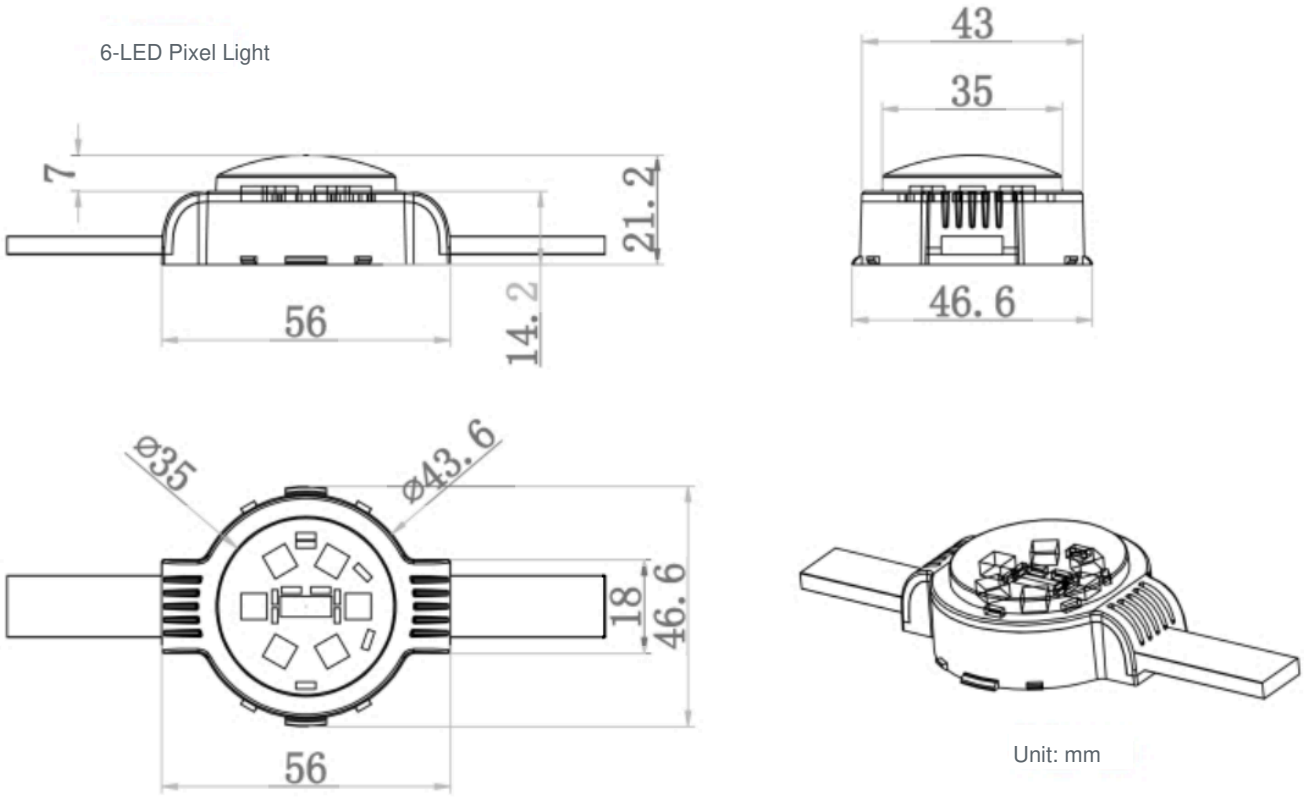
YY SERIES / DIMENSIONS & MOUNTING

Dimensions & mounting

CDL-YY6-M1-C1

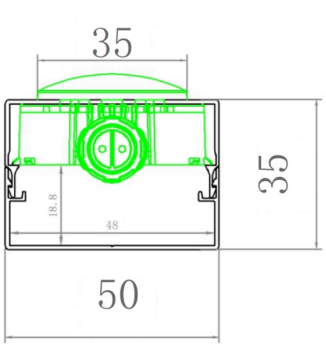
PRODUCT DIMENSIONS

mm



Overall width including flanges: 56 mm

ALUMINIUM MOUNTING CHANNEL



Channel (W × H)

50 × 35 mm

Upper fixture span

35 mm