CH SERIES / PRODUCT OVERVIEW

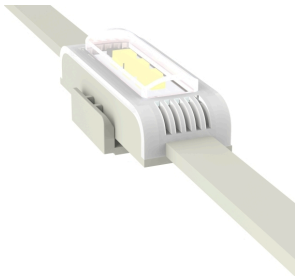
CH Series

Rectangular LED Pixel Lights

CH rectangular nodes form short lines of light along floor edges and columns. Across several rows, addressable CH nodes can display video from a compatible pixel controller.

CUSTOM OPTIONS

We can tailor the housing colour to the mounting surface, set the rated power per node and space the nodes to match the façade module.



CDL-CH3-M1-C1



CDL-CH6-M1-C1

STANDARD MODELS

Model	Input voltage	Rated power per node	LEDs per node
CDL-CH3-M1-C1	12 V DC	1 W	3
CDL-CH6-M1-C1	24 V DC	1.5 W	6

APPLICATIONS

Canopy edges, columns, façade joints and linear architectural patterns.

CH SERIES / CONSTRUCTION & APPLICATION

Built for exterior pixel lighting

Rectangular optical form / IP67 construction

CH uses a rectangular optical cover and mounting base. Three- and six-LED nodes provide two body lengths for horizontal and vertical details.

Rectangular optical cover

UV-resistant, flame-retardant polycarbonate encloses the LED assembly. The elongated cover gives each point a linear form, with clear and opal finishes available.

Water-protected electronics

The rear electronic assembly is encapsulated in silicone. Together with the dual-layer housing seal, this construction provides IP67 protection.

Heat-dissipating base

Heat-dissipating features in the base carry heat away from the LED assembly within the rectangular housing.

Orientation and spacing

Run the long axis along a façade joint or across a column. The node pitch sets the gap between illuminated dashes, while mounting channels align the sequence.



Horizontal bands of colour on two commercial towers

Colour along floor edges

Align the long axis of each node with the slab edge. Repeating that line up the building defines each storey. On an addressable installation, the controller can move a colour band across the elevation or from floor to floor.

CH SERIES / TECHNICAL DATA

Technical specifications

Rectangular 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.

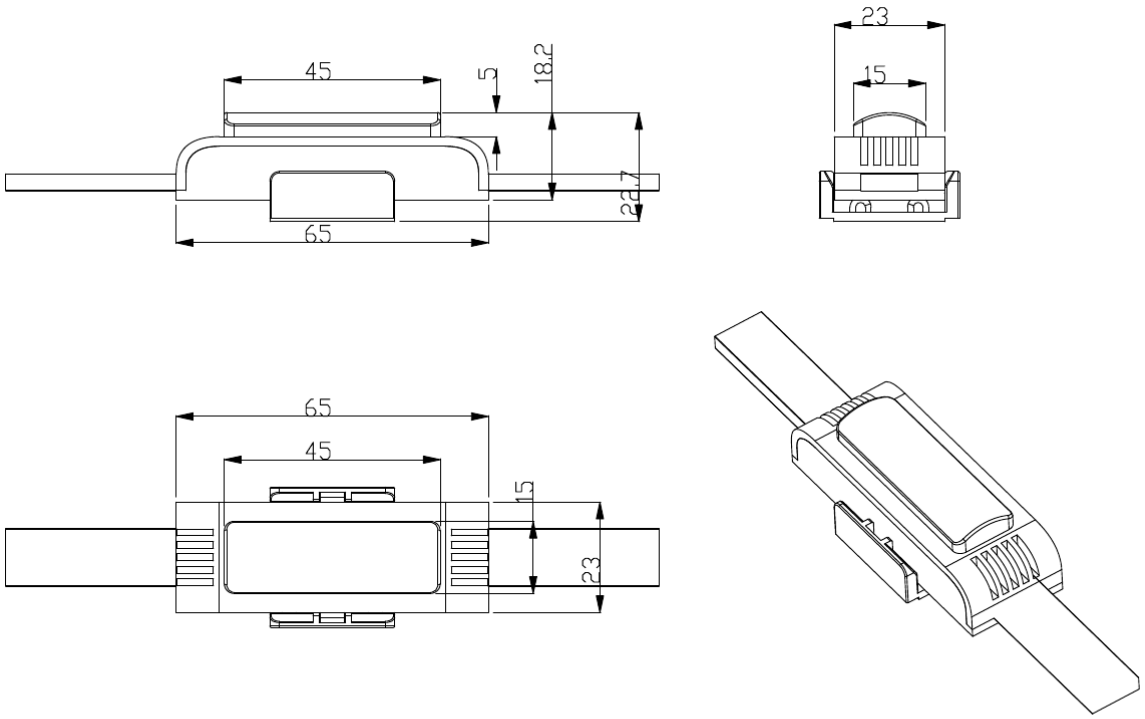
CH SERIES / DIMENSIONS & MOUNTING

Dimensions & mounting

CDL-CH3-M1-C1

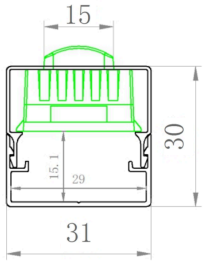
PRODUCT DIMENSIONS

mm



Overall (L × W × H): 65 × 23 × 22.7 mm

ALUMINIUM MOUNTING CHANNEL



Channel (W × H)

31 × 30 mm

Upper fixture span

15 mm

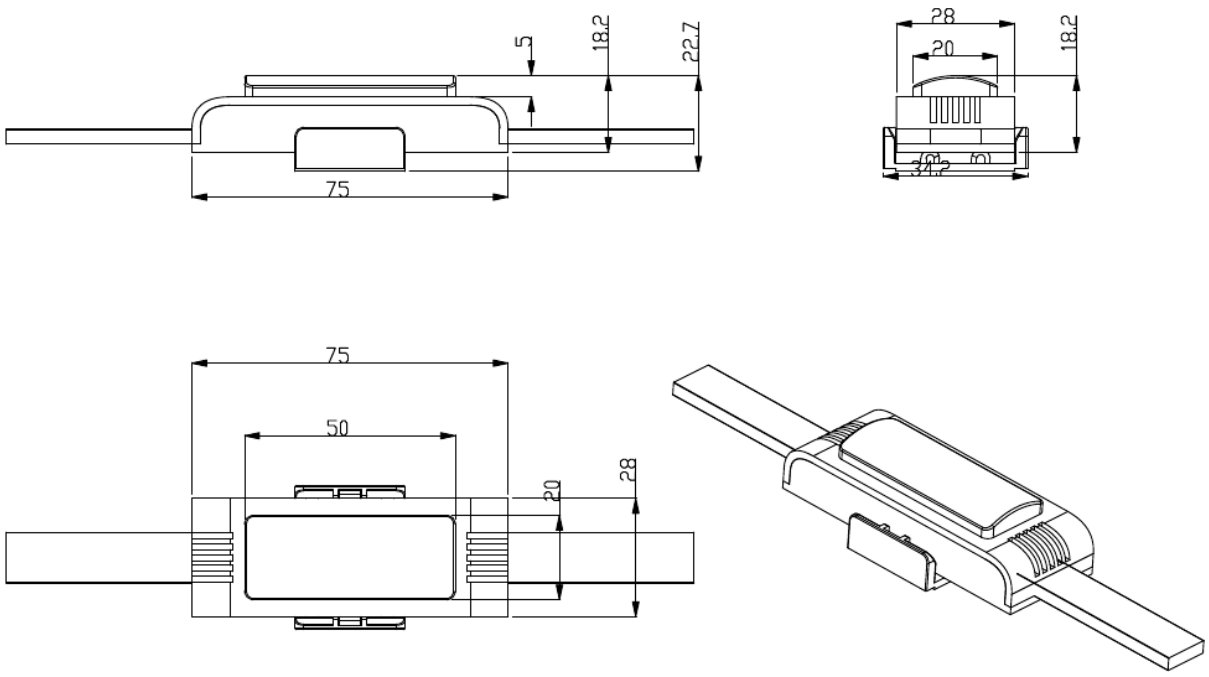
CH SERIES / DIMENSIONS & MOUNTING

Dimensions & mounting

CDL-CH6-M1-C1

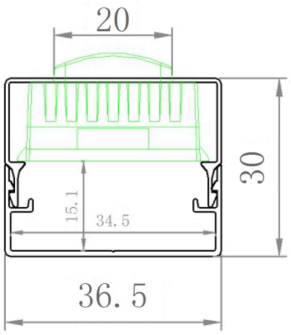
PRODUCT DIMENSIONS

mm



Housing width 28 mm
Mounting base width 34.2 mm
Overall with mounting base (L × W × H) 75 × 34.2 × 22.7 mm

ALUMINIUM MOUNTING CHANNEL



Channel (W × H)

36.5 × 30 mm

Upper fixture span

20 mm