

Indoor LED 0.9 mm 162" UHD Bundle

Sharp LD-EC091-162



Built to last, designed to inspire.

Combining remarkable energy-efficiency with outstanding imaging performance, the LD-EC Series delivers all the benefits of advanced COB technology at a compelling price-performance ratio.

Chip-on-Board (COB) technology is engineered for high traffic environments delivering exceptional durability and long service life. LED chips are mounted directly to the substrate and sealed against dust and damage creating a smooth, reflection-free surface that's easy to clean. With rich colours and deep blacks enabled by a high contrast ratio, content is presented with vivid clarity even in bright sunlit environments.

Consuming up to 60% less power compared to standard SMD technology at the same brightness level, COB technology significantly reduces energy costs. The LD-EC Series leverages these efficiencies to make advanced LED display technology accessible for cost-conscious applications across retail, higher education, leisure and corporate environments.

A robust aluminium cabinet ensures structural stability and provides heat and fire resistance for long-term operational safety. Front-access modules simplify maintenance, and spare parts availability supports the extended service life of Sharp's high-quality LED solutions.

Benefits

Reduced operating costs – Up to 60% lower power consumption than standard SMD technology at equivalent brightness, with reduced cooling demands.

Consistent high-contrast image quality – A 10000:1 contrast ratio delivers deep blacks and clear detail, ensuring excellent visibility even in bright environments.

Durability and longevity – A sealed, easy-clean surface protects against dust, moisture and projectiles, making it robust for use in high traffic areas.

Fast and easy installation – Established mechanical housing design and front-access modules enable quick, precise installation and simplified servicing.

Specifications

Product Information

Product Name

Sharp LD-EC091-162

Product Group

Indoor LED 0.9 mm 162" UHD Bundle

Components

LDEC091-162,
LDEC091-162-NP (no poWERBAR9)

Order Code

81001072, 81001073

Display

LED type

FlipChip COB (0407)

Screen Size [inch/cm]

162 / 411.5

Aspect Ratio

16:9

Pixel Pitch [mm]

0.9

Brightness (max.) [cd/m²]

600

Lifetime

100000 hrs (50% brightness)

Contrast Ratio (typ.)

8000:1

Viewing Angle [°]

160 horizontal / 140 vertical

Dimming Capability

256 levels

Colour Processing

14 bit

LED Driving Method

1/60 dynamic scan

Frame Rate [Hz]

50/60

Refresh Rate [Hz]

≤ 3840

Colour Temperature [K]

3000 - 9500

Screen Resolution

Resolution

3840 x 2160

Resolution per m²

1137778

Number of Pixel per module [dot]

640 x 360

Number of Pixel per card [dot]

160 x 180

Connectivity

Input Video Digital

1 x HDMI

Input Control

1 x LAN

Electrical

Total Power Consumption [W]

1444 typ. / 2268 max.

Power Consumption typ. [W]

207 per m² (normal use)

Power Consumption max. [W]

311 per m²

Power Consumption typ. [BTU]

708 per m² (normal use)

Power Consumption max. [BTU]

1062 per m²

Environmental Conditions

Operating Temperature [°C]

-10 to 40

Operating Humidity [%]

10 to 80

Mechanical

Dimensions (W x H x D) [mm] per module

600 x 337.5 x 27.4

Dimensions (W x H x D) [mm]

3,612 x 2,037 x 48.4 without powerbar; 3,612 x 2,081 x 50

Weight [kg]

188.6 without powerbar; 204.8

Additional Features

Shipping Content

1x LED Controller; LED Modules (36 Cabinets, 288 Pixel Cards); Overframe Kit (6x6); Pixel Card Removal Tool; Powerbar (depending on version); Spare Parts Kit; Wall mount (6x6)

Special Characteristics

Single Data Receiving Cards; Single Power Supplies

Manufacturer

SHARP

Serviceability

Front Service

IP Level

IP20; IP40

Certifications

CE; ETL; FCC Class A; RoHS; UKCA

Warranty

2 years

Material

Aluminum Cabinet

* 162 inch



RoHS



FCC Class A



CE

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