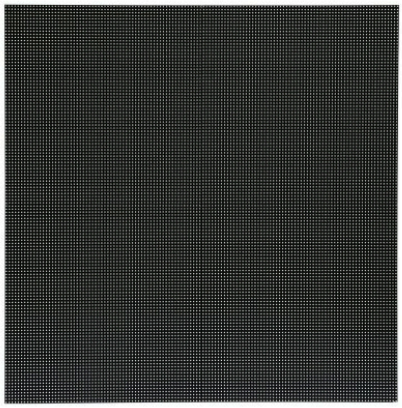
3.9 mm Indoor Square LED Modules

LED-B039i



LED B Series - for mission critical interoperability

Designed to limit the interference caused by electromagnetic emissions with compliance to EMC Class B for installations up to 40sqm, Sharp LED B series modules are the first choice for applications demanding unhindered interoperability of multiple systems. Offering almost unlimited creativity in bezel-less digital surfaces, B series yields a powerful image even in the brightest environments making it ideal for any kind of signage scenario.

High quality components deliver excellent uniformity of brightness and colour, plus high contrast thanks to the use of industry leading LED SMD diodes. The square 1:1 aspect ratio modules are robust yet light weight with both front and rear access making them easy to install and maintain.

The high-end LED modules have been specifically designed to support large scale digital canvases in airports, train stations or other public venues such as stadiums.

Benefits

Minimized interference – industry-leading low electromagnetic emissions allowing for EMC Class-B certified installations (tested up to 40 m^2), ideally suited for mission critical environments.

Quality product – designed and tested in Germany, Direct View LED product of the highest quality.

Large scale for perfectly detailed imagery – completely bezel-less design with high contrast rates deliver an unhindered viewing experience.

Versatile and scalable – 1:1 module aspect ratio allows versatile and customized use of the given space in a wide range of application scenarios.

Specifications

Product Information

Product Name
LED-B039i

Product Group
3.9 mm Indoor Square LED Modules

Order Code
80000026

Display

Pixel Configuration
3-in-1 SMD (Black)

LED type
SMD (2121)

Pixel Pitch [mm]
3.9

Contrast Ratio (typ.)
3000:1

Viewing Angle [°]
160 horizontal / 160 vertical

Brightness (max.) [cd/m²]
1000

Dimming Capability
256 levels

Lifetime
100000 hrs (50% brightness)

Colour Processing
16 bit

Colours [Trill.]
281 trillion

LED Driving Method
1/16 dynamic scan

Refresh Rate [Hz]
≤ 2400

Colour Temperature [K]
3200 - 9300

Screen Resolution

Number of Pixel per m²
65536

Resolution of Pixel per module [dot]
128 x 128

Resolution of Pixel Card [px]
64 x 64

Electrical

Power Consumption typ. [W]
136 per m² (normal use)

Power Consumption max. [W]
400 per m²

Environmental Conditions

Operating Temperature [°C]
-10 to 40

Operating Humidity [%]
10 to 90

Mechanical

Dimensions (W x H x D) [mm] per module
500 x 500 x 78

Weight [kg]
8.5

Regulatory

Safety and Ergonomics
CCC; CE; ETL; FCC Class A; RoHS

Additional Features

Special Characteristics
Redundant Power Supplies; Single Data Receiving Cards

Manufacturer
S[quadrat]

Serviceability
Front & Rear Service

IP Level
IP30

Warranty
2 years

CE

RoHS

FCC Class A

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