

NEC LED-10BF1 (10 mm Outdoor)



The NEC 10 mm IP65 rated module can be used both indoor and outdoor. Its 10 mm pitch is fine enough for indoor installation while the IP65 protection enables outdoor installations. The use of Nichia made LEDs secures outstanding image quality to represent your business as you expect it. These high quality LEDs also ensure unparalleled longevity making sure your investment is built to last.

The NEC 10 mm LED module is a great solution for shopping centers, stadiums, large storefronts and other installations requiring a large screen, indoor or outdoor.

Benefits

IP65 – rating ensuring protection from the elements in outdoor applications.

High brightness of up to 6,000 cd/m² – for good readability in direct sun light.

Outstanding picture quality – through the use of [value1] LEDs.

Ambient light sensor – to achieve optimum brightness levels and minimized power consumption.

Specifications

Product Information

Product Name

NEC LED-10BF1 (10 mm Outdoor)

Product Group

10 mm Outdoor LED Modules

Order Code

60003508

Display

Pixel Pitch [mm]

10.417

Contrast Ratio (typ.)

4000:1

Viewing Angle [°]

80/80 horizontal / 50/60 vertical

Brightness (max.) [cd/m²]

6000

Dimming Capability

64 levels

Colour Processing

16 bit

LED Refresh Rate [kHz]

19.2

Colour Temperature [K]

3200; 5000; 6500 (default); 7500; 9300

Gamma Correction

1.8; 2; 2.2 (default); 2.4

Screen Resolution

Number of Pixel per m²

96 x 96

Resolution of Pixel per module [dot]

48 x 48

Connectivity

Digital Video in / out

DVI Connector; DVI with RS-422

Power in / out

Circular Connector

Electrical

Power Consumption typ. [W]

65 per m² (normal use)

Power Consumption max. [W]

145 per m²

Power Requirements

1.5 A/0.6 A; 100-120 V/220-240 V; 50/60 Hz; internal power supply

Environmental Conditions

Operating Temperature [°C]

-20 to 50

Operating Humidity [%]

10 to 99

Storage Temperature [°C]

-30 to 60

Storage Humidity [%]

10 to 99

Mechanical

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

499.4 x 499.4 x 114

Weight [kg]

12.8 per sqm

Regulatory

Safety and Ergonomics

CE; FCC Class A; RoHS

Additional Features

IP Level

IP65

Certifications

C-tick; GOST; SASO; TÜV GS; UL; VCCI

Warranty

2 years



CE



RoHS



FCC Class A

This document is © 2026 Sharp Display Solutions Europe GmbH.

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers.
All specifications are subject to change without notice. Errors and omissions are excepted. 24.09.2026