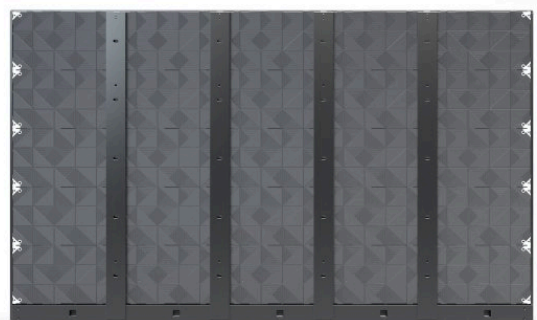# NEC LED-FC015i-137
Indoor LED 1.5 mm 137" FullHD Bundle

# Datasheet



**Bundles for vibrant and colourful content visualisation**

Displaying deep blacks and extreme contrast levels, content appears remarkably vivid for an immersive and engaging viewer experience even under demanding ambient conditions.

The direct VIew LED-FC series bundles use the latest flip-chip CoB technology to deliver stunning image performance with a state-of-the-art level of quality while increasing energy efficiency significantly to ensure reduced operating cost during its entire lifetime.

The durability, high contrast ratio, and brightness of the FC series make it a great fit for a wide range of demanding applications in transportation, museums, meeting space and many more.

## Benefits

**Excellent contrast ratio of up to 20000:1 and deep black level** – ensures content is presented in vivid clarity for the best possible viewing experience.

**Significantly lowering your energy usage** – CoB technology is highly efficient, consuming up to 40% less power compared to standard SMD technology at the same brightness output.

**Established mechanical cabinet design** – supports wall mounted or freestanding installation with speed and ease, achieving precision module alignment for a single large surface perception.

**Excellent visual performance** – unseen colour reproduction with excellent off angle performance.

**Secure investment in high-end dvLED visualisations** – CoB technology enables installations to be more robust and long lasting.

## Product Information

| | |
|---|---|
| Product Name | NEC LED-FC015i-137 |
| Product Group | Indoor LED 1.5 mm 137" FullHD Bundle |
| Order Code | 81000480 |

## Display

| | |
|---|---|
| LED type | COB (0408) |
| Screen Size [inch/cm] | 137 / 348 |
| Aspect Ratio | 16:9 |
| Pixel Pitch [mm] | 1.5 |
| Brightness (max.) [cd/m²] | 800 |
| Lifetime | 100000 hrs (50% brightness) |
| Contrast Ratio (typ.) | 20000:1 |
| Viewing Angle [°] | 160 horizontal / 160 vertical |
| Dimming Capability | 256 levels |
| Colour Processing | 16 bit |
| Colours [Trill.] | 281 |
| LED Driving Method | 1/36 dynamic scan |
| Frame Rate [Hz] | 50/60 |
| Refresh Rate [Hz] | ≤ 3840 |
| Colour Temperature [K] | 3000 - 9500 |

## Screen Resolution

| | |
|---|---|
| Resolution | 1920 x 1080 |
| Resolution per m² | 623269 |
| Number of Pixel per module [dot] | 384 x 216 |
| Number of Pixel per card [dot] | 96 x 108 |

## Connectivity

| | |
|---|---|
| Input Video Digital | 1 x 3G SDI; 1 x DVI-D; 1 x HDMI |

## Electrical

| | |
|---|---|
| Total Power Consumption [W] | 900 typ. / 1625 max. |
| Power Consumption typ. [W] | 173 per m² (normal use) |

| Power Consumption max. [W] | 313 per m² |
|---|---|

## Environmental Conditions

| Operating Temperature [°C] | -20 to 40 |
|---|---|
| Operating Humidity [%] | 10 to 80 |

## Mechanical

| Dimensions (W x H x D) [mm] per module | 608 x 342 x 48.5 |
|---|---|
| Dimensions (W x H x D) [mm] | 3,080 x 1,831.5 x 82 |
| Weight [kg] | 234 |

## Additional Features

| Shipping Content | 1x LED Controller; LED Modules (25 Cabinets, 200 Pixel Cards); Overframe Kit (5x5); Pixel Card Removal Tool; Power Bar; Spare Parts Kit; Wall mount (5x5) |
|---|---|
| Special Characteristics | Single Data Receiving Cards; Single Power Supplies |
| Manufacturer | NEC |
| Serviceability | Front Service |
| IP Level | IP20; IP40 |
| Certifications | CE; ETL; FCC Class A; RoHS |
| Warranty | 3 years |
| Material | Aluminum Cabinet |

* 137 inch