Direct View LED - Indoor

# Sharp LD-EC181



## Built to last, designed to inspire

- 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.

# Options

## Warranty Extensions

**Warranty Extension for Direct View LED (3rd, 3rd to 5th year) Optional Warranty Extension (3rd year and 3rd to 5th year) for dedicated Sharp Direct View LED Screen Solutions**
Optional Warranty Extension (3rd year and 3rd to 5th year) for dedicated Sharp Direct View LED Screen Solutions

**Warranty Extension for Direct View LED (4th to 5th year) Optional Warranty Extension (4th to 5th year) for dedicated Sharp Direct View LED Screen Solutions**
Optional Warranty Extension (4th to 5th year) for dedicated Sharp Direct View LED Screen Solutions

## Remote Power Switches

**LED-RPS-CL-R Remote Power Switch**
Remote Power Switch

**LED-RPS-CL-B1 Remote Power Switch (standalone boxed version)**
Remote Power Switch (standalone boxed version)

**LED-RPS-CL-BL1 Remote Power Switch (standalone boxed version - LAN)**
Remote Power Switch (standalone boxed version - LAN)

## Value Added Services

**Installation Service for Direct View LED Optional Installation Service for dedicated Sharp Direct View LED Screen Solutions**
Optional Installation Service for dedicated Sharp Direct View LED Screen Solutions

**Installation Supervision for Direct View LED Optional Installation Supervision Service for dedicated Sharp Direct View LED Screen Solutions**
Optional Installation Supervision Service for dedicated Sharp Direct View LED Screen Solutions

**Site Survey for Direct View LED Optional Site Survey for dedicated Sharp Direct View LED Screen Solutions**
Optional Site Survey for dedicated Sharp Direct View LED Screen Solutions

**On-site Service for Direct View LED Optional On-site Service for dedicated Sharp Direct View LED Screen Solutions**
Optional On-site Service for dedicated Sharp Direct View LED Screen Solutions

**Brightness Calibration Service for Direct View LED Optional Brightness Calibration Service for dedicated Sharp Direct View LED Screen Soluitons**
Optional Brightness Calibration Service for dedicated Sharp Direct View LED Screen Soluitons

**Preventive Maintenance for Direct VIew LED Optional Preventive Maintenance Service for dedicated Sharp Direct View LED Screen Solutions**
Optional Preventive Maintenance Service for dedicated Sharp Direct View LED Screen Solutions

**Pixel Card Service Pack for Direct View LED Optional free of charge Pixel Card Service Pack for dedicated Sharp Direct View LED Screen Solutions**
Optional free of charge Pixel Card Service Pack for dedicated Sharp Direct View LED Screen Solutions

# Specifications

## General

| | |
|---|---|
| Series | [sharp-ld-ec-series-indoor] |
| Order Code | LDEC181 |

## Display

| | |
|---|---|
| Aspect Ratio | 16:9 |
| Brightness Max. (cd/m²) | 600 |
| Colour Processing | 14 bit |
| Colour Temperature (K) | 3000 - 9500 |
| Contrast Ratio | 10000:1 |
| Dimming Capability | 256 levels |
| Frame Rate (Hz) | 50/60 |
| LED Driving Method | 1/45 dynamic scan |
| LED Type | FlipChip COB (0407) |
| Lifetime (hrs) | 100000 hrs (50% brightness) |
| Pixel Pitch (mm) | 1.8 |
| Refresh Rate ≤ (Hz) | 3840 |
| Viewing Angle (°) | 160 horizontal / 140 vertical |

## Resolution

| | |
|---|---|
| Number of Pixel Per Card (dot) | 80 x 90 |
| Resolution Per m² | 284444 |
| Number of Pixel Per Module (dot) | 320 x 180 |

## Electrical

| | |
|---|---|
| Power Consumption Max (BTU/h per m²) | 859 |
| Power Consumption Typ. Normal Use (BTU/h per m²) | 404 |
| Power Consumption Max (W/m²) | 252 |
| Power Consumption Typ. Normal Use (W/m²) | 119 |

## Mechanical

| | |
|---|---|
| Module Width (mm) | 600 |
| Module Height (mm) | 337.5 |
| Module Depth (mm) | 27.4 |
| Weight (kg) | 4.3 |

## Environmental Conditions

| | |
|---|---|
| Operating Humidity (%) | 10 to 80 |
| Operating Temperature (°C) | -10 to 40 |

## Additional Features

| | |
|---|---|
| Special Characteristics | Single Power Supplies, Single Data Receiving Cards |
| Certifications | RoHS, CE, ETL, FCC Class A, UKCA |
| Warranty | 2 years |
| Manufacturer | [sharp] |
| Material | Aluminum Cabinet |
| Serviceability | Front Service |
| Shipping Content | LED Modules (1 Cabinets, 8 Pixel Cards) |

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