OmniSheet
Embedded LED light panel

With state-of-the-art technology and design, the flagship OmniSheet provides the most consistent light output and true-to-life color rendering.

**COLOR TEMPERATURE (K)**

| 2700 | 3000* | 3500 | 4100* | 5300* | 6500 |

**CCT (2700 K - 6500 K)**

**KEY FEATURES & BENEFITS**

- **Fully custom**
  With embedded LEDs, OmniSheet can be cut into custom sizes, shapes, curves and bends allowing for one-to-one design matching.

- **High 95+ CRI**
  Powered by the revolutionary OmniCHip, OmniSheet delivers the best light distribution on the market and is tested at a CRI of 95+.

- **Long lasting**
  With embedded LED construction, OmniSheet is extremely durable and has a lifespan of 70,000 hours.

**TYPICAL USE-CASES**

- **Retail Signage**
  The unmatched brightness and even tone of OmniSheet are perfect for lighting up retail signage.

- **WALL LIGHTING**
  In architectural layouts, OmniSheet is the perfect choice to illuminate a variety of surfaces.

- **SHELVING SYSTEMS**
  One of the most popular use-cases for OmniSheet is shelf-lighting for products.
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**Product Details**

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| **Part Number** | 6 mm - 121614  
8 mm-121814 |
| **Mounting** | Mounted with screws, Z-clips or edge clips / standoffs |
| **Operating Temperature** | -30 °C (-22 °F) ~ +40 °C (+104 °F) |
| **Environment** | Dry location only (indoor) |
| **Thickness** | 5/16” (8 mm) & 15/64” (6 mm) - Standard  
5/16” (8 mm) - CCT |
| **Minimum Size** | 2” (50 mm) L x 2” (50 mm) W |
| **Maximum Size** | 118” (3000 mm) L x 59” (1500 mm) W |
| **Weight** | 1.95 lbs / sq ft (9.54 kg / sq m) |

**Specifications**

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<td><strong>Input Voltage</strong></td>
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| **Power Consumption** | 2.4 W/ft (Low-Wattage Option)*  
4.4 W/ft (Standard)  
3.6 W/ft (CCT) |
| **Wire Size** | 20 AWG 2 wire (Standard)  
22 AWG 3 wire (CCT) |
| **Wiring** | Each panel must have direct connection to power supply. Do not wire panels in series. |
| **Connector** | Standard 5’ (1500 mm), optional 10’ (3000 mm)  
2.1 / 5.5 mm barrel plug (Standard)  
Bare wire (CCT) |
| **Certification** | UL recognized component (E362079),  
UL listed (E346146) |

*TLow wattage is available only in these color options

**Typical Power Cord Exits**

**STANDARD 1**

Power cord exits from the corner of the short side

**STANDARD 2**

For OmniSheet panels longer than 6’ the power cord exits from the middle of each long side
**Typical Surface Brightness Measure**

Brightness readings are for reference only. Actual reading may differ for different LEDs, LGPs or even different meters.

**Option 1**

Power cord exits from the back face

**Option 2**

Notched power cord exit

- **48" (1219.2 mm) x 24" (609.6 mm)** OmniSheet with 5300 K LEDs lit along 2 long edges (30 W)
  - Center
  - 4" (101 mm) away from edge
  - 2035 lumens
  - 2640 lumens

- **48" (1219.2 mm) x 96" (2438.4 mm)** OmniSheet with 5300 K LEDs lit along 2 long edges (60 W)
  - Center
  - 4" (101 mm) away from edge
  - 5035 lumens
  - 6480 lumens

- **24" (609.6 mm) x 48" (1219.2 mm)** OmniSheet with 5300 K LEDs lit along 2 long edges (30 W)
  - Center
  - 4" (101 mm) away from edge
  - 1650 lumens
  - 2090 lumens

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