Specifications

1 Light Box:
6063 T6 extruded aluminum case with clear anodized finish
LED edge-lit daylight quality light source
Designed for easy access to electrical components
Precision machined assembly

2 Luminous Image Panel:
Acrylic, Acrylite, or polycarbonate substrate
Lightweight & durable
High resolution reproduction from proprietary digital image file
Color-calibrated for daylight quality light source
Fade resistant pigmented inks containing UV inhibitors
Easy access for installation and cleaning

3 Trim:
Wide range of styles in woods and aluminum
Quick and easy installation
Safety catch hardware included

UL, CSA, and CE Certified:
LV5-2240 - LV5-4872 V AC fully certified by Intertek Group plc
LV5-2240 - LV5-4872 V DC fully certified by Intertek Group plc

Electrical (see table for variants):
V AC Luminous Virtual Window for non-MRI applications
Internal power supply hardwired inside fixture
Input 100-277V AC, 0.6A max. at 115V AC, 50/60Hz
V DC Luminous Virtual Window for MRI applications
External power supply remotely located (see details below)
Power consumption of V AC and V DC Luminous Virtual Windows
(see table on page 2)
Terminal block wire range #12-22 Awg (DC Model only)
Wiring access hole limited to 1/2” nominal trade size conduit
Min 90°C supply connectors/Les fils d’alimentation 90°C Min
Internal power supply (V AC Luminous Virtual Window only):
Power factor: 0.92; supply current: 0.6A
External power supply (V DC Luminous Virtual Window only):
Input (Typ) 100-240V AC/277V AC, 0.85A/0.40A, 50-60 Hz
(277V AC for North America only)
Output 24V DC, 3.4A
Class 2, UL8750 Listed (U.S. and Canada) and CE Compliant
Power factor: 0.96; supply current: 0.85A
Surface mountable, suitable for dry/damp/wet locations
Shielded Environments: RF filters supplied by shielding provider
102 - 258 high-efficiency white LEDs per unit (Not intended as a light source)
Daylight quality light temperature – cool daylight
80,000 hour rated life (80% @ 40,000 hrs.)

Environment:
Operating temperature:
V AC Luminous Virtual Window \( t_1 \): 50°C max
V DC Luminous Virtual Window \( t_1 \): 50°C max
External Power Supply \( t_1 \): 50°C max
Storage temperature:
V AC Luminous Virtual Window: \(-40°C\)~\(+85°C\)
V DC Luminous Virtual Window: \(-40°C\)~\(+85°C\)
Indoor use only; dry applications only/endroits secs seulement
Wall mount/Installation murale seulement
Thermal Protection: Inherently protected/
Protection Inherente
Ingress protection: Nema 1, IP

Key Attributes:
EcoSlim Edge-Lit LED Technology
Only 1 3/4” / 44.5mm deep
High efficiency white LEDs
Daylight Quality Light Source
Non-ferrous construction for MRI

Installation:
Easily installed recessed in wall or surface mounted
Rough opening: add 3/8” to case height and width

⚠️ The light source for this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.

Sample Configurations:

- Single
- Twin
- Triple
- Twin with Clerestory

LVW LED Edge-Lit
Recessed or Surface Mount Wall Image Display

Surface mount LVW shown
Dimensions, Power Consumption Data and Weights:

How to Read the Chart:

The Sky Factory provides four models for each **LVW Size**:
AC Recessed (LV5-xxxxAR), AC Surface Mount (LV5-xxxxAS), DC Recessed (LV5-xxxxDR), and DC Surface Mount (LV5-xxxxDS).

**Case Dimension, Quantity of LEDs, and Weight** remain constant for all models in each size.

**V AC Input** refers to power input to the AC models (LV5-xxxxAR, LV5-xxxxAS), which have internal power supplies.

**V DC Input** refers to power input to the DC models (LV5-xxxxDR, LV5-xxxxDS) from an externally mounted power supply.

For external power supply specifications, see **Electrical** section on page 1.

<table>
<thead>
<tr>
<th>LVW Size</th>
<th>Case Dimension in Inches (Cm)</th>
<th>Qty LEDs</th>
<th>V AC Input (100-277VAC)</th>
<th>V DC Input (24VDC)</th>
<th>Weight (lbs/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>W</td>
<td>H</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LV5-2240</td>
<td>22 (55.9)</td>
<td>40 (101.6)</td>
<td>102</td>
<td>0.6A@115V</td>
<td>21.4/9.7, 4.1/1.9, 8.6/3.9</td>
</tr>
<tr>
<td>(AR,AS,DR,DS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LV5-4022</td>
<td>40 (101.6)</td>
<td>22 (55.9)</td>
<td>102</td>
<td>0.6A@115V</td>
<td>21.4/9.7, 4.1/1.9, 8.6/3.9</td>
</tr>
<tr>
<td>(AR,AS,DR,DS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LV5-3440</td>
<td>34 (86.8)</td>
<td>40 (101.6)</td>
<td>186</td>
<td>0.6A@115V</td>
<td>33.0/15.0, 6.3/2.9, 13.3/6.0</td>
</tr>
<tr>
<td>(AR,AS,DR,DS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LV5-4034</td>
<td>40 (101.6)</td>
<td>34 (86.8)</td>
<td>186</td>
<td>0.6A@115V</td>
<td>33.0/15.0, 6.3/2.9, 13.3/6.0</td>
</tr>
<tr>
<td>(AR,AS,DR,DS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LV5-2852</td>
<td>28 (71.1)</td>
<td>52 (132.1)</td>
<td>204</td>
<td>0.6A@115V</td>
<td>35.4/16.1, 6.7/3.0, 14.0/6.4</td>
</tr>
<tr>
<td>(AR,AS,DR,DS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LV5-5228</td>
<td>52 (132.1)</td>
<td>28 (71.1)</td>
<td>204</td>
<td>0.6A@115V</td>
<td>35.4/16.1, 6.7/3.0, 14.0/6.4</td>
</tr>
<tr>
<td>(AR,AS,DR,DS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LV5-1864</td>
<td>18 (46.36)</td>
<td>64 (162.6)</td>
<td>174</td>
<td>0.6A@115V</td>
<td>28.0/12.7, 5.3/2.4, 11.1/5.0</td>
</tr>
<tr>
<td>(AR,AS,DR,DS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LV5-6418</td>
<td>64 (162.6)</td>
<td>18 (46.36)</td>
<td>174</td>
<td>0.6A@115V</td>
<td>28.0/12.7, 5.3/2.4, 11.1/5.0</td>
</tr>
<tr>
<td>(AR,AS,DR,DS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LV5-3464</td>
<td>34 (86.8)</td>
<td>64 (162.6)</td>
<td>258</td>
<td>0.6A@115V</td>
<td>52.9/24.0, 10.0/4.5, 21.0/9.5</td>
</tr>
<tr>
<td>(AR,AS,DR,DS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LV5-6434</td>
<td>64 (162.6)</td>
<td>34 (86.8)</td>
<td>258</td>
<td>0.6A@115V</td>
<td>52.9/24.0, 10.0/4.5, 21.0/9.5</td>
</tr>
<tr>
<td>(AR,AS,DR,DS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:**

For power consumption of custom sizes, see **LVW1** included with the fixture.