

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

Junction box wiring access holes limited to 1/2" nominal trade size conduit

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_a : 50°C max

V DC Luminous Virtual Window t_a : 50°C max

External Power Supply t_a : 50°C max

Storage temperature:

V AC Luminous Virtual Window: -40°C~+85°C

V DC Luminous Virtual Window: -40°C~+85°C

External Power Supply: -40°C~+80°C

Indoor use only: dry applications only/endroits
secs selement

Wall mount/Installation murale selement

Thermal Protection: Inherently protected/

Protection Inherente

Ingress protection: Nema 1, IP

LVW LED Edge-Lit

Recessed or Surface Mount
Wall Image Display



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

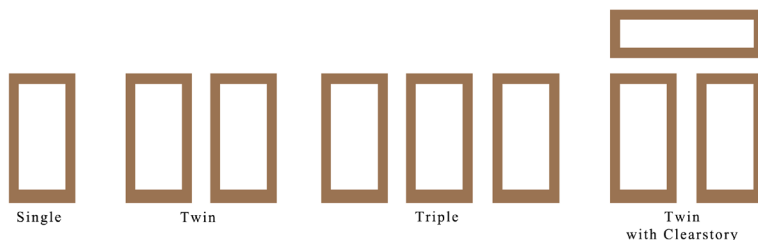
Installation:

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:



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.

LVW Size	Case Dimension in Inches (Cm)		Qty LEDs	VAC Input (100-277V)	V DC Input (24V)	Weight (lbs/kg)		
	W	H				Case	Alum Trim	Wood Trim
LV5-2240 (AR,AS,DR,DS)	22 (55.9)	40 (101.6)	102	0.6/0.25A	0.78A	21.4/9.7	4.1/1.9	8.6/3.9
LV5-4022 (AR,AS,DR,DS)	40 (101.6)	22 (55.9)	102	0.6/0.25A	0.78A	21.4/9.7	4.1/1.9	8.6/3.9
LV5-3440 (AR,AS,DR,DS)	34 (86.8)	40 (101.6)	186	0.6/0.25A	1.42A	33.0/15.0	6.3/2.9	13.3/6.0
LV5-4034 (AR,AS,DR,DS)	40 (101.6)	34 (86.8)	186	0.6/0.25A	1.42A	33.0/15.0	6.3/2.9	13.3/6.0
LV5-2852 (AR,AS,DR,DS)	28 (71.1)	52 (132.1)	204	0.6/0.25A	1.55A	35.4/16.1	6.7/3.0	14.0/6.4
LV5-5228 (AR,AS,DR,DS)	52 (132.1)	28 (71.1)	204	0.6/0.25A	1.55A	35.4/16.1	6.7/3.0	14.0/6.4
LV5-1864 (AR,AS,DR,DS)	18 (46.36)	64 (162.6)	174	0.6/0.25A	1.32A	28.0/12.7	5.3/2.4	11.1/5.0
LV5-6418 (AR,AS,DR,DS)	64 (162.6)	18 (46.36)	174	0.6/0.25A	1.32A	28.0/12.7	5.3/2.4	11.1/5.0
LV5-3464 (AR,AS,DR,DS)	34 (86.8)	64 (162.6)	258	0.6/0.25A	1.96A	52.9/24.0	10.0/4.5	21.0/9.5
LV5-6434 (AR,AS,DR,DS)	64 (162.6)	34 (86.8)	258	0.6/0.25A	1.96A	52.9/24.0	10.0/4.5	21.0/9.5

NOTE:

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