

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

cETLus Listed:

LV5-2240 - LV5-4872 V AC (see chart on page 2 for all configurations)
LV5-2240 - LV5-4872 V DC (see chart on page 2 for all configurations)

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):
Jesco DL-PS-96/24-JB-OD-S
North America only
Type HL, IP 66
Input: 100-277V AC, 47-63 Hz
Input Current (Max.): 1.5A @ 100V AC
Output: 24V DC, 4.0A
Class 2, UL8750 Listed (U.S. and Canada)
Operating Ambient Temperature: -40° C to 60° C (-40° F to 140° F)
Junction box knock-outs 1/2" nominal trade size
Meanwell HLG-80H-24B
International
Type HL, IP 65
Input: 100-277V AC, 47-63 Hz
AC Current (Typ.): 0.85A @ 115V AC/0.425A @ 230V AC/0.40A @ 277V AC
Output: 24V DC, 3.4A
Class 2, UL8750 Listed (U.S. and Canada) and CE Certified
Operating Ambient Temperature: -40° C to 80° C (-40° F to 176° F)
Shielded Environments: RF filters supplied by shielding provider
102 - 476 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.)

LVW LED Edge-Lit

Recessed or Surface Mount
Wall Image Display



Key Attributes:

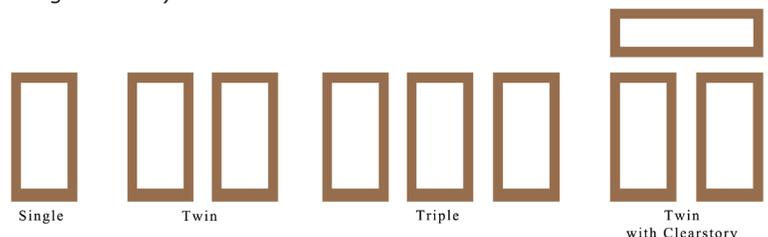
EcoSlim Edge-Lit LED Technology
Only 1 3/4" / 44.5mm deep
High efficiency white LEDs
Daylight Quality Light Source
Non-ferrous construction for MRI

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:



Environment:

Operating temperature:

- V AC Luminous Virtual Window t_a : 50°C max
- V DC Luminous Virtual Window t_a : 50°C max
- External Jesco Power Supply t_a : -40° C to 60° C (-40° F to 140° F)
- External Meanwell Power Supply t_a : -40° C to 80° C (-40° F to 176° F)

Storage temperature:

- V AC Luminous Virtual Window: -40°C~+85°C
- V DC Luminous Virtual Window: -40°C~+85°C
- External Jesco Power Supply t_a : -40° C to 80° C (-40° F to 176° F)
- External Meanwell Power Supply t_a : -40° C to 80° C (-40° F to 176° F)

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

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 (100-277VAC)	V DC Input (24VDC)	Weight (lbs/kg)		
	W	H				Case	Alum Trim	Wood Trim
LV5-2240 (AR,AS,DR,DS)	22 (55.9)	40 (101.6)	102	0.6A@115V	0.76A/18.3W	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	0.6A@115V	0.76A/18.3W	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	0.6A@115V	1.38A/33.2W	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@A115V	1.38A/33.2W	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@A115V	1.52A/36.5W	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	0.6A@115V	1.52A/36.5W	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	0.6A@115V	1.3A/31.2W	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	0.6A@115V	1.3A/31.2W	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	0.6A@115V	1.92A/46.1W	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	0.6A@115V	1.92A/46.1W	52.9/24.0	10.0/4.5	21.0/9.5
LV5-4872 (AR,AS,DR,DS)	48 (121.9)	72 (1828.8)	476	1.2/0.5A	3.31A/79.5W	84.0/38.1	16.2/7.3	34.0/15.4
LV5-7248 (AR,AS,DR,DS)	72 (1828.8)	48 (121.9)	476	1.2/0.5A	3.31A/79.5W	84.0/38.1	16.2/7.3	34.0/15.4

NOTE:

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