

SPECIFICATIONS

- 1 Case (body & doors):**
6063 T6 Extruded Aluminum
Clear anodized finish
Designed for easy access to electrical components
Precision machined assembly

- 2 Luminous Image and Protective Cover:**
Lightweight & durable
Hi-res digital reproduction from proprietary large format film library
Color-calibrated for 6500 Kelvin light source
Non-glare matte finish
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 cable and attachments included

Electrical (see table for variants):

V AC Luminous Virtual Window for non-MRI applications
Internal power supply hardwired inside fixture

V DC Luminous Virtual Window for MRI applications
External power supply remotely located

Power consumption of V AC and V DC Luminous Virtual Windows: see table on page 2

Terminal block wire range #12-22 Awg
Wiring access hole limited to 1/2" nominal trade size conduit
Min 90°C supply connectors/Les fils d'alimentation 90°C Min
External power supply (V DC Luminous Virtual Window only):
Input (Typ) 90-305V AC
0.85A/115V AC, 0.425A/230V AC, 0.4A/277V AC, 47-63 Hz
Output 24V DC, 3.4A
UL8750 Listed (U.S. and Canada) and CE Compliant
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
108 - 264 high-efficiency white LEDs per unit (Not intended as a light source)
6500 Kelvin light temperature - cool daylight
80,000 hour rated life (80% @ 40,000 hrs.)

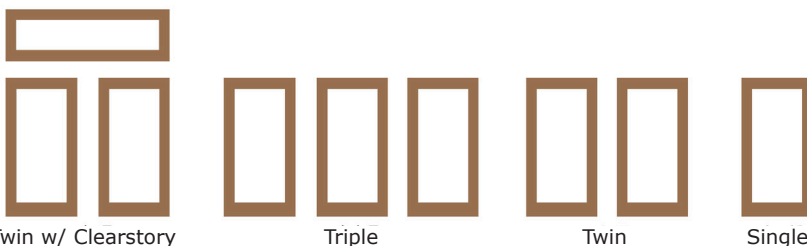
Environment:

Ambient (working) temperature:
V AC Luminous Virtual Window - t_a : 40°C max
V DC Luminous Virtual Window - t_a : 60°C max
External Power Supply - t_a : 70°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; Wall mount, Installation murale seulement
Thermal Protection: Inherently protected/Protection Inherente
Max. Ambient Temp.: 45°C; Ingress protection: Nema 1, IP

Sample Configurations:



LVW LED Edge-lit

The diagram shows a 3D cutaway of the window. It highlights the internal LED strip (labeled 1), the protective cover (labeled 2), and the wooden or aluminum trim (labeled 3). The window is shown mounted on a wall.

Key Attributes:

- EcoSlim LED Edge-lit Technology
- Only 2-3/8" / 57mm deep
- High-efficiency white LEDs
- 6500 Kelvin - cool daylight
- Non-ferrous construction for MRI

Installation:

Easily installed recessed in wall or surface mounted
Rough opening: add 3/8" to case dimension



Dimensions, Power Consumption Data and Weights:

How to Read the Chart:

The Sky Factory provides four models for each **LVW Size**:

AC Recessed (LVxxxxAR), AC Surface Mount (LVxxxxAS), DC Recessed (LVxxxxDR), and DC Surface Mount (LVxxxxDS).

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 (LVxxxxAR, LVxxxxAS), which have internal power supplies.

V DC Input refers to power input to the DC models (LVxxxxDR, LVxxxxDS) 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	V AC Input (100/270V)	V DC Input (24V)	Weight (lbs/kg)		
	W	H				Case	Alum Trim	Wood Trim
LV2240 (AR,AS,DR,DS)	22.25 (56.52)	40.25 (102.25)	108	0.6/0.21A	0.9A	32.0/14.5	4.1/1.9	8.6/3.9
LV4022 (AR,AS,DR,DS)	40.25 (102.25)	22.25 (56.52)	108	0.6/0.21A	0.9A	32.0/14.5	4.1/1.9	8.6/3.9
LV2840 (AR,AS,DR,DS)	28.25 (71.76)	40.25 (102.25)	168	1.2/0.42A	1.4A	41.0/18.6	5.2/2.4	11.0/5.0
LV4028 (AR,AS,DR,DS)	40.25 (102.25)	28.25 (71.76)	168	1.2/0.42A	1.4A	41.0/18.6	5.2/2.4	11.0/5.0
LV3440 (AR,AS,DR,DS)	34.25 (87.00)	40.25 (102.25)	192	1.2/0.42A	1.6A	48.0/21.8	6.3/2.9	13.3/6.0
LV4034 (AR,AS,DR,DS)	40.25 (102.25)	34.25 (87.00)	192	1.2/0.42A	1.6A	48.0/21.8	6.3/2.9	13.3/6.0
LV2652 (AR,AS,DR,DS)	26.25 (66.68)	52.25 (132.72)	204	1.2/0.42A	1.7A	48.0/21.8	6.0/2.7	12.8/5.8
LV5226 (AR,AS,DR,DS)	52.25 (132.72)	26.25 (66.68)	204	1.2/0.42A	1.7A	48.0/21.8	6.0/2.7	12.8/5.8
LV2852 (AR,AS,DR,DS)	28.25 (71.76)	52.25 (132.72)	204	1.2/0.42A	1.7A	50.0/22.7	6.7/3.0	14.0/6.4
LV5228 (AR,AS,DR,DS)	52.25 (132.72)	28.25 (71.76)	204	1.2/0.42A	1.7A	50.0/22.7	6.7/3.0	14.0/6.4
LV4252 (AR,AS,DR,DS)	42.25 (107.32)	52.25 (132.72)	252	1.2/0.42A	2.1A	75.0/34.0	10.0/4.5	21.0/9.5
LV5242 (AR,AS,DR,DS)	52.25 (132.72)	42.25 (107.32)	252	1.2/0.42A	2.1A	75.0/34.0	10.0/4.5	21.0/9.5
LV1864 (AR,AS,DR,DS)	18.25 (46.36)	64.25 (163.20)	180	0.6/0.21A	1.5A	43.0/19.5	5.3/2.4	11.1/5.0
LV6418 (AR,AS,DR,DS)	64.25 (163.20)	18.25 (46.36)	180	0.6/0.21A	1.5A	43.0/19.5	5.3/2.4	11.1/5.0
LV3464 (AR,AS,DR,DS)	34.25 (87.00)	64.25 (163.20)	264	1.2/0.42A	2.2A	75.0/34.0	10.0/4.5	21.0/9.5
LV6434 (AR,AS,DR,DS)	64.25 (163.20)	34.25 (87.00)	264	1.2/0.42A	2.2A	75.0/34.0	10.0/4.5	21.0/9.5