

Specifications:

Description: The General Purpose 12v Mini ORION series offers high efficiency, low voltage luminaires designed to produce a 120° light beams in cold, frozen and dry environments. This series has endcaps with a 0.81" width and a 0.57" height.

Features:

Lighting: Solid state lighting (SSL) LEDs; surface mounted diode (SMD) populated onto printed circuit board (PCB)

Tube and Endcaps: Polycarbonate LEXAN 244R

LEDs: 50mA each

LED Driver Input: 100VAC to 277VAC. Use only UL Listed Class 2 driver

LED Driver Output: 12VDC

Light Beam: 120° viewing angle

Lens : Heat deflection of 300°F

Life: L70 > 50,000 hrs

Operating Temperature Range: -20° C to +85°C

Warranty: 5 year limited warranty from manufacturing defects

Safety Certifications: Luminaires UL/cUL Listed & NSF approved

Certifications: LEDingEDGE Lighting's Quality Management System is ISO 9001:2015 certified

IP Rating: Tested and rated IP68

Performance Data:

Our custom-built lights have 2,176 variations that affect performance data. Below is the data from one of the many UL tests we have had conducted. Please contact us if you require more specific data for your unique custom-built light fixture.

| CCT (K) Nom. | Length (in) | Width (in) | Lens | CRI | CCT (K) Actual | Lumens (lm) | Power (W) | Efficacy (lm/W) |
|--------------|-------------|------------|-------|------|----------------|-------------|-----------|-----------------|
| 3500 | 45 | .63 | Clear | 92.8 | 3484 | 622.1 | 4.699 | 132.4 |

Accessories:

Jumpers: Lengths from 3" to 96"; Straight, stripped, right-angle ends; black / white color options

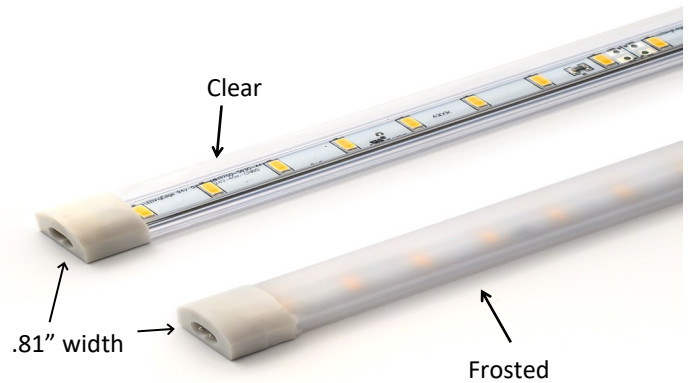
Brackets: Metal, clear Acrylic, Rotating, Magnet



Tested and Rated IP68

ISO 9001 2015 Certified

General Purpose 12v Mini ORION 1650 Series



Options:

Color: Standard CCTs choices are 3000K, 3500K, 4000K, and 5000K with a CRI >90

Lens: Clear or frosted

Endcap: With or without tab

Lengths (rounded to the nearest inch):

| Length | # of LEDs | Watts | Length | # of LEDs | Watts |
|--------|-----------|-------|--------|-----------|-------|
| 7" | 4 | .626 | 56" | 40 | 6.25 |
| 12" | 8 | 1.25 | 62" | 44 | 6.88 |
| 18" | 12 | 1.88 | 67" | 48 | 7.50 |
| 23" | 16 | 2.50 | 73" | 52 | 8.13 |
| 29" | 20 | 3.13 | 78" | 56 | 8.75 |
| 34" | 24 | 3.75 | 84" | 60 | 9.38 |
| 40" | 28 | 4.37 | 89" | 64 | 10.0 |
| 45" | 32 | 5.00 | 95" | 68 | 10.63 |
| 51" | 36 | 5.63 | | | |

"Off the Shelf" lengths available at 12", 23", 34" and 45"

How to create part numbers:

| Series | Type | Voltage | Length Options | Color Options (CCT) | Lens Options | Endcap Options |
|--------------------------------------|------|---------|----------------------------------|----------------------------------|----------------------|----------------|
| General Purpose, 12v Mini ORION 1650 | Tube | 12 volt | 12" 23" 34" 45" Etc. | 3000K 3500K 4000K 5000K | Clear-C Frosted-F | With Tab-add T |
| MIN1650 | T | 12V | 45 | 35K | F | T |

Example part number: MIN1650-T-12V-45-35K-F-T