

## General Purpose 24v Mini ORION 1665 Series

### Specifications:

**Description:** The General Purpose 24v 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 our two layer 2oz copper printed circuit board (PCB).

**Tube and Endcaps:** Polycarbonate LEXAN 244R

**LEDs:** 65mA each

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

**LED Driver Output:** 24VDC

**Light Beam:** 120° viewing angle

**Lens :** Heat deflection of 300°F

**Life:** L70 > 50,000 hrs

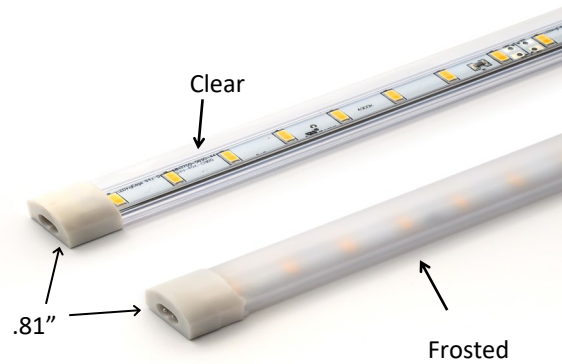
**Operating Temperature Range:** -20° C to +85°C

**Warranty:** 5 year limited warranty from manufacturing defects

**Safety Certifications:** UL/cUL Listed & NSF approved

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

**Ingress Protection (IP):** Design has been UL Ingress Protection tested and passed the IP68 standard



### Options:

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

**Lens:** Clear or frosted

**Lengths (rounded to the nearest inch):**

Length	# of LEDs	Watts
12"	8	1.64
23"	16	3.28
34"	24	4.92
45"	32	6.56
56"	40	8.20
67"	48	9.84
78"	56	11.48
89"	64	13.12

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

### UL Integrating Sphere Test Report Data:

CCT Nom.(K)	Length (in)	Lens	Volts (V)	CRI	CCT Actual (K)	Lumens (lm)	Power (W)	Efficacy(lm/W)
30,000	45	Clear	24	92	3074	808.7	6.3	127.9
35,000	45	Clear	24	92.2	3486	853.7	6.4	132.7
40,000	45	Clear	24	92.1	4030	914.1	6.7	136.2

Above is the data from several of the many UL tests we have had conducted. Our custom-built lights have 2,176 variations that effect performance data so please contact us if you require more specific data for your unique needs.

### Accessories:

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

**Brackets:** Metal, clear Acrylic, Rotating, Magnet



### How to create part numbers:

Series	Type	Voltage	Length Options	Color Options (CCT)	Lens Options
General Purpose, 24v Mini ORION 1665	Tube	24 volt	12" 23" 34" 45" Etc.	3000K 3500K 4000K 5000K	Clear-C Frosted-F

MIN1665	T	24V	45	35K	F
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Example part number: MIN1665T-24V-45-35K-F