



Specifications:

Description: The Super Bright 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 our two layer 2oz copper 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

Life: L70 > 50,000 hrs

Temperature Ratings:

PCB (LEDs, etc): Ambient: -25°C~45°C; Case: -25°C~70°C

UL 2108 testing: 25°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

UL Integrating Sphere Test Report Data:

CCT (K) Nom.	Length (in)	Lens	CRI	CCT (K) Actual	Lumens (lm)	Power (W)	Efficacy (lm/W)
3000	45	Clear	91.7	3066	1220	9.522	128.1

Above is the data from several of the many UL tests we have 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.

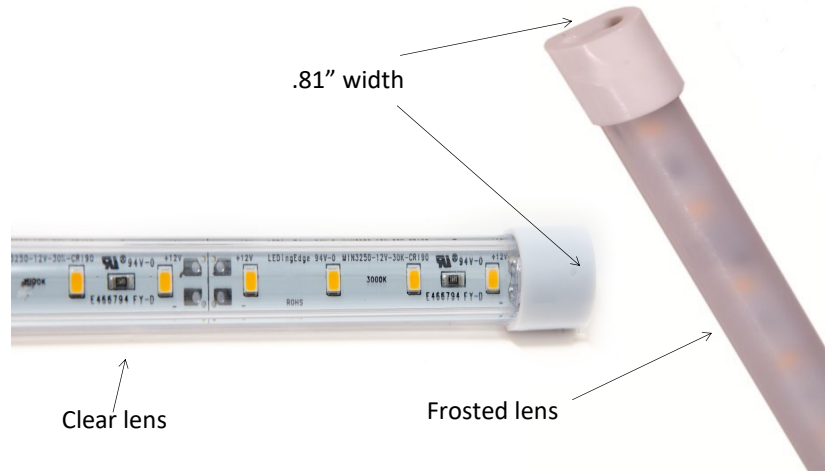
Accessories:

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

Brackets: Metal, clear Acrylic, Rotating, Magnet



Super Bright 12v Mini ORION 3250 Series



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):

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

Length	# of LEDs	Watts	Length	# of LEDs	Watts	Length	# of LEDs	Watts
4"	4	.625	37	52	8.13	70	100	15.63
7"	8	1.25	40	56	8.75	73	104	16.25
9"	12	1.88	42	60	9.38	75	108	16.88
12"	16	2.5	45	64	10.00	78	112	17.50
15"	20	3.13	48	68	10.63	81	116	18.12
18"	24	3.75	51	72	11.25	84	120	18.75
20"	28	4.38	53	76	11.88	86	124	19.38
23"	32	5.00	56	80	12.50	89	128	20.00
26"	36	5.63	59	84	13.13	92	132	20.63
29"	40	6.25	62	88	13.75	95	136	21.25
31"	44	6.88	64	92	14.38			
34	48	7.50	67	96	15.00			

*Watts are calculated by using UL tested sample to nearest Watt and

How to create part numbers:

Series	Type	Voltage	Length Options	Color Options (CCT)	Lens Options
Super Bright, 12v Mini ORION 3250	Tube	12 volt	12" 23" 34" 45" Etc.	3000K 3500K 4000K 5000K	Clear-C Frosted-F
MIN3250	T	12V	45	35K	F

Example part number: MIN3250-T-12V-45-35K-F