

Nano Linear Outdoor COB Light Engine

Specification Submittal

Nano Linear Outdoor COB Light Engine offers high-definition, dot-free illumination with advanced COB LED technology and a silicone waterproof sleeve that provides protection against water.

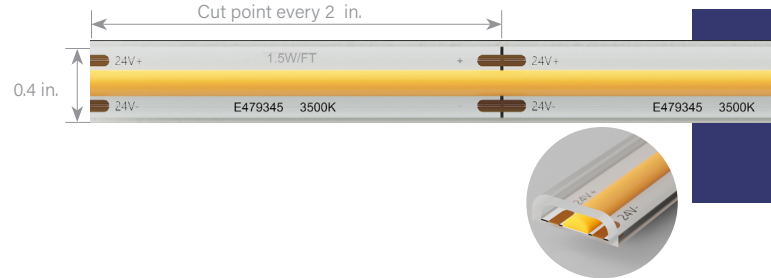


Project Name:

Project Location:

Fixture Type:

SKUs:



Features & Benefits

- Output ranges from 150 lumens per foot to 400 lumens per foot
- Dot-free, uniform illumination without the need for additional covers
- Superior color rendering
- High R9 and R13 values for superb rendering of warm tones
- Continuous Roll-to-Roll lengths reduce failure points by eliminating the need for welding short segments together
- 2-step MacAdam ellipse for unparalleled quality and consistency
- UL Listed and Title 24
- Perfect for many applications, including accent lighting, task lighting, cove lighting, under-cabinet lighting, etc.

Technical Information

Stocked Color Temperature	2700K, 3000K, 3500K, 4000K
Input Voltage	24V DC
Tape Height	0.197 inches
Beam Angle	140°
Field Cuttable (UL 2108)	Every 2 inches
Dimmable	Yes
Diode Type	COB

Mounting	3M™ Self-Adhesive Tape (Non-porous)
Operating Temperature	-4° F to 140° F
Ambient Temperature	-4° F to 158° F
Environment	Wet location (IP67)
Certifications	UL 2108 Listed, RoHS, can be used to comply with Title 24 JA8 - 2019
Warranty	6 Year Limited

System Builder Choose one option for each step.

Prefix	Width	Location	Output	Voltage	CCT	Length	# of Leads	Lead Length 1	Lead Length 2
OP-COB-	10MM	O	<div>150</div> <div>150 lm/ft. (1.5W)</div> <div>250</div> <div>250 lm/ft. (3.2W)</div> <div>400</div> <div>400 lm/ft. (4.4W)</div>	24V	<div>2700K</div> <div>3000K</div> <div>3500K</div> <div>4000K</div>	<div>XXX</div> <div>Length in 1 in. increments</div> <div>Total lengths can not exceed the following:</div> <div>• Max run of 150 = 23 ft.</div> <div>• Max run of 250 = 16.4 ft.</div> <div>• Max run of 400 = 14 ft.</div>	<div>1LEAD</div> <div>One lead</div> <div>2LEAD</div> <div>Two leads (one at each end)</div> <div>- The length will dictate the wire gauge</div>	<div>XXX</div> <div>1-120 in.</div>	<div>XXX</div> <div>1-120 in.</div> <div>Optional</div>

Fixtures are supplied with Optique's remote Universal power supply supporting 0-10, 1-10V, MLV, ELV dimming and voltage input from 100V-277V.

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Output

Output (lm/ft)		150	250	400
Lumens (per ft)	2700K	141.9	252.9	363.3
	3000K	153.3	245.1	394
	3500K	163.9	262.5	411.6
	4000K	153	287.3	438.2
Wattage* (per ft.)		1.5	3	4.4
Max Run Length** (ft.)		23	16.4	14

*Power consumption based on average wattage per foot.

**Maximum run length per power feed.

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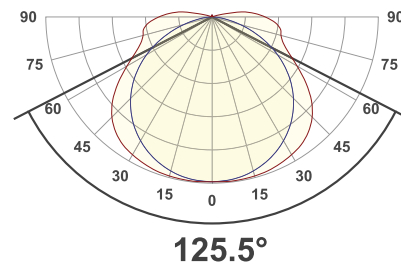
Photometry

1 ft., 150lm/ft, Nano Linear Outdoor COB Light Engine

LUMEN SUMMARY

Zone	Lumens	% Fixture
0° – 15°	8.61 lm	7.04%
0° – 30°	32.8 lm	26.20%
0° – 45°	67.7 lm	52.16%
0° – 60°	103 lm	77.60%
0° – 75°	129 lm	94.93%
0° – 90°	145 lm	100%

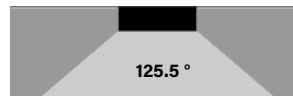
ANGULAR DISTRIBUTION 0 – 90°



FOOT CANDLES

Distance	Foot Candles
1'	41 fcd
1.5'	18 fcd
2'	10 fcd
2.5'	6 fcd
3'	5 fcd
4'	3 fcd
5'	2 fcd
6'	1 fcd
9'	1 fcd
12'	0 fcd

BEAM ANGLE



COLOR VECTOR GRAPHIC

Hue Bin	R _r	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	2%
2	96	0%	1%
3	95	1%	0%
4	91	-4%	-4%
5	95	-3%	-1%
6	95	0%	2%
7	95	-2%	3%
8	95	2%	2%
9	92	2%	4%
10	94	3%	3%
11	91	6%	1%
12	89	4%	-5%
13	88	2%	-11%
14	87	1%	-9%
15	93	-3%	-1%
16	90	-1%	-7%

