

# Nano Linear Indoor COB Light Engine

## Specification Submittal

Nano Linear Indoor COB Light Engine offers high-definition, seamless illumination with advanced COB LED technology. This versatile, dot-free lighting solution enhances any residential or commercial.

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

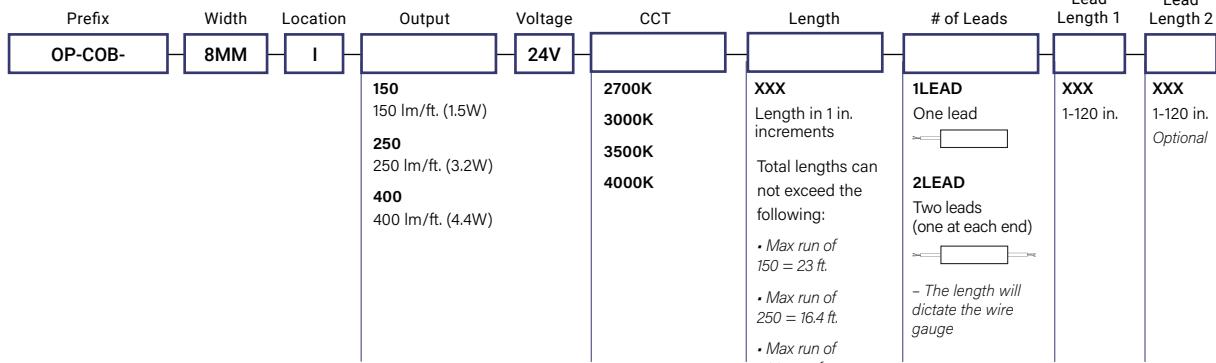
- Continuous Roll-to-Roll lengths reduce failure points by eliminating the need for welding short segments together
- 2-step MacAdam ellipse for unparalleled quality and consistency
- UL Listed and Title 24
- Perfect for many applications, including accent lighting, task lighting, cove lighting, under-cabinet lighting, etc.

### i Technical Information

Stocked Color Temperature	2700K, 3000K, 3500K, 4000K
Input Voltage	24V DC
Tape Height	0.09 inches
Beam Angle	140°
Field Cuttable (UL 2108)	Every 2 inches
Dimmable	Yes
Diode Type	COB HD

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

### i System Builder Choose one option for each step.



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
<b>Lumens</b> (per ft)	<b>2700K</b>	149.8	270.4	375.2
	<b>3000K</b>	161.1	260.8	418.2
	<b>3500K</b>	177.1	281.9	436.4
	<b>4000K</b>	164.8	314.3	471.8
<b>Wattage*</b> (per ft.)		1.5	3	4.4
<b>Max Run Length**</b> (ft.)		23	16.4	14

\*Power consumption based on average wattage per foot.

\*\*Maximum run length per power feed.

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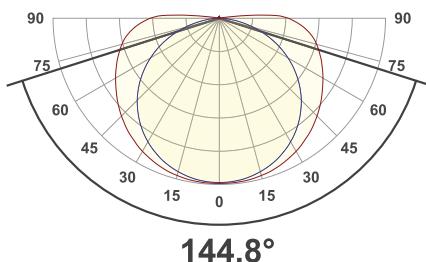
### Photometry

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

#### LUMEN SUMMARY

Zone	Lumens	% Fixture
0° - 15°	8.37 lm	7.04%
0° - 30°	31.7 lm	26.20%
0° - 45°	64.8 lm	52.16%
0° - 60°	101 lm	77.60%
0° - 75°	132 lm	94.93%
0° - 90°	155 lm	100%

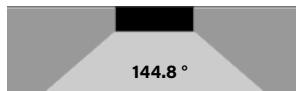
#### ANGULAR DISTRIBUTION 0 - 90°



#### FOOT CANDLES

Distance	Foot Candles
1'	40 fcd
1.5'	18 fcd
2'	10 fcd
2.5'	6 fcd
3'	4 fcd
4'	2 fcd
5'	2 fcd
6'	1 fcd
9'	0 fcd
12'	0 fcd

#### BEAM ANGLE



#### COLOR VECTOR GRAPHIC

Hue Bin	R <sub>f</sub>	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%

