Nano Linear Indoor White Light Engines

Specification Submittal

OPTIQUE

Project Name:

Project Location:

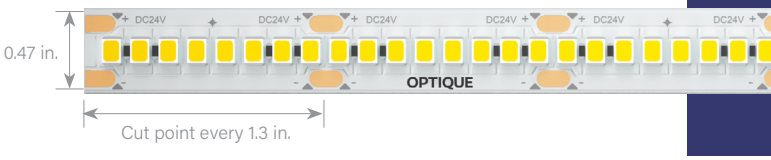
Fixture Type:

SKUs:

Nano Linear Indoor White Light Engines are designed and engineered to provide premium light for many applications. These versatile LED light engines are ready for commercial lighting and home lighting applications and are completely adaptable to a wide variety of modern lighting configurations.

c UL us LISTED · RoHS · UL Certified Field Cuttable 2108 · Dry Location · Closet Rated · Can be used to comply with Title 24 JA8 - 2019 · Warranty 6 Year

For select light engines



Features & Benefits

- Offered in color temperatures ranging from a relaxed candlelight 2200K to a bright 5000K
- Output ranges from 100 lumens per foot to 1,500 lumens per foot
- Superior color rendering
- High R9 and R13 values for superb rendering of warm tones
- 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.
- Consistent diode pitch and cut point length across all lumen outputs

Technical Information

Input Voltage	24V DC
Diodes per Foot	72
Diode Spacing	0.16 inches
Tape Height	0.07 inches
Beam Angle	120˚
Field Cuttable (UL 2108)	Every 1.3 inches
Dimmable	Yes
Diode Type	2835

Mounting	3M™ Self-Adhesive Tape (Non-porous)
Operating Temperature	-25° C to 60° C
Ambient Temperature	-40° C to 80° C
Environment	Dry location
Certifications	UL 2108 Listed, RoHS, Can be used to comply with Title 24 JA-8 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-01-	12MM	I		24V					
			100 - 100 lm/ft (1.0W) **200** - 200 lm/ft (2.0W) **300** - 300 lm/ft (3.1W) **400** - 400 lm/ft (4.3W) **600** - 600 lm/ft (6.6W) **800** - 800 lm/ft (7.6W) **1000** - 1000 lm/ft (9.6W) **1250** - 1250 lm/ft (12.0W) **1500** - 1500 lm/ft (15.2W)		**2200K** **2400K** **2700K** – *Quick Ship* **3000K** – *Quick Ship* **3500K** – *Quick Ship* **4000K** **5000K**	**XXX** Length in 1 in. increments	**1LEAD** One lead **2LEAD** Two leads (one at each end) *– The length will dictate the wire gauge*	**XXX** 1-120 in.	**XXX** 1-120 in. *Optional*

Quick Ship= Shipped within 10 business days

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Power Supplies

Include Power Supplies In Quote?

◯ Yes, Include Power Supplies:

Optique Lighting will provide a universal power supply supporting 0-10, 1-10V, MLV, ELV dimming and voltage input from 100V-277V. Includes integrated junction box.

◯ No Power Supplies Required:

No power supplies will be included.

*Note: If nothing is selected, we will assume power supplies should be included.

Output

Output (lm/ft)		**100**	**200**	**300**	**400**	**600**	**800**	**1,000**	**1,250**	**1,500**
Lumens (per ft)	**2200K**	93.7	197.7	283.9	420.9	661.4	778.6	955.6	1,179.1	1,410.4
	2400K	95.5	199.6	309.3	422.6	628.0	777.0	951.5	1,205.3	1,451.4
	2700K	105.0	238.5	368.9	495.2	746.6	908.0	1,102.9	1,193.6	1,667.5
	3000K	109.7	228.9	357.6	491.8	717.9	941.5	1,183.0	1,453.0	1,932.1
	3500K	116.4	239.1	374.0	522.7	770.1	911.4	1,055.3	1,384.3	1,663.6
	4000K	119.5	248.2	377.3	520.2	781.4	962.1	1,220.6	1,494.5	1,835.3
	5000K	119.6	251.7	378.0	526.3	782.7	984.5	1,193.6	1,498.4	1,828.7
Wattage* (per ft.)		1.0	2.0	3.1	4.3	6.6	7.6	9.6	12.0	15.2
Max Run Length** (ft.)		68	42	30	22	14	12	10	8	6
Closet Rated		✓	✓	✓	✓	✓	✓	–	–	–

Power consumption based on average wattage per foot.

**Maximum run length per power feed.*

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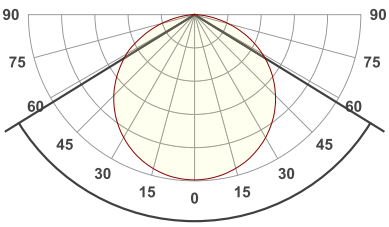
Photometry

1 ft., Nano Linear White Light Engine

LUMEN SUMMARY

Zone	Lumens	% Fixture
0° – 15°	83.3 lm	7.04%
0° - 30°	310 lm	26.20%
0° - 45°	617 lm	52.16%
0° - 60°	918 lm	77.60%
0° - 75°	1123 lm	94.93%
0° - 90°	1183 lm	100%

ANGULAR DISTRIBUTION 0 – 90°

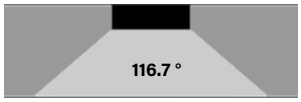


116.7°

FOOT CANDLES

Distance	Foot Candles
1′	397 fcd
1.5′	176 fcd
2′	99 fcd
2.5′	63 fcd
3′	44 fcd
4′	25 fcd
5′	16 fcd
6′	11 fcd
9′	5 fcd
12′	3 fcd

BEAM ANGLE



COLOR VECTOR GRAPHIC

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	-1%	-1%
2	97	0 %	1%
3	94	1 %	3%
4	95	1 %	1%
5	95	3 %	3%
6	92	5 %	1%
7	95	3 %	-1%
8	94	3 %	-2%
9	96	1 %	-1%
10	97	1 %	1%
11	94	2 %	4%
12	91	5 %	0%
13	92	4 %	-4%
14	91	5 %	-5%
15	95	1 %	-2%
16	89	2 %	-9%