

Nano Linear White Light Engines

Specification Submittal

Nano Linear 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.

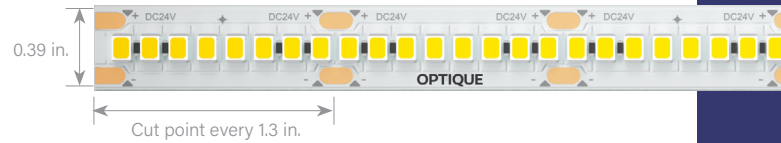


Project Name:

Project Location:

Fixture Type:

SKUs:



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.

Company	Series	Width	Location	1 Output	Voltage	2 CCT	3 Length	4A Lead A	4B Lead B	4C Lead C
OP	- 01	- 12MM	- I	-	- 24V	-	-	-	-	-

1 Output	2 CCT	3 Length	4 Lead
<ul style="list-style-type: none"> 100 100 lm/ft 200 200 lm/ft 300 300 lm/ft 400 400 lm/ft 600 600 lm/ft 	<ul style="list-style-type: none"> 800 800 lm/ft 1000 1000 lm/ft 1250 1250 lm/ft 1500 1500 lm/ft 	<ul style="list-style-type: none"> 2200K 2400K 2700K - Quick Ship 3000K - Quick Ship 3500K - Quick Ship 4000K 5000K 	<ul style="list-style-type: none"> 4A Number of Leads <ul style="list-style-type: none"> 1LEAD One lead 2LEAD Two leads (one at each end) 4B Length at End (in inches) 1-120 4C Length at Beginning (in inches) 1-120 - Optional <p>- The length will dictate the wire gauge</p>

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

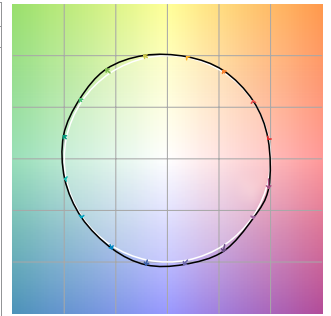
Zone	Lumens	% Fixture
0° - 15°	83.3 lm	7.04%
0° - 30°	310 lm	26.20%
0° - 45°	617 lm	52.16%
0° - 60°	918 lm	77.60%
0° - 75°	1123 lm	94.93%
0° - 90°	1183 lm	100%

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

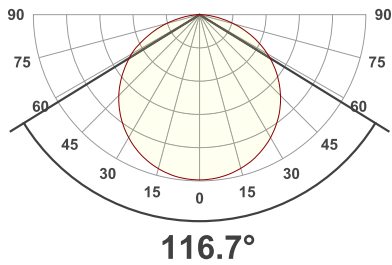
COLOR VECTOR GRAPHIC

Hue Bin	R _f	Graphic shifts (%)	
		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%



Reference Test

ANGULAR DISTRIBUTION 0 - 90°



BEAM ANGLE

