

Nano Linear Indoor Tunable White Light Engines

Specification Submittal

Nano Linear Indoor Tunable Light Engine offers exceptional versatility with a tunable color temperature range options include 1800K-3000K and 1800K-4000K. It is engineered with a tight diode pitch, to ensure smooth, hotspot free illumination in even low-profile fixtures. Compatible with a wide range of DMX control systems from Lutron, Control4, and more.

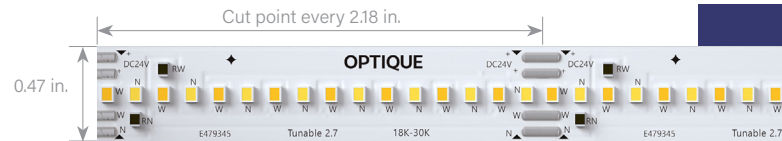


Project Name:

Project Location:

Fixture Type:

SKUs:



Features & Benefits



- Color temperature ranges for a nice glow at night and workable light during the day
- Tight diode pitch across all lumen outputs for smooth illumination
- Change color temperature easily when paired with our DMX controller
- Compatible with popular home control systems such as Lutron, Control4, and more
- 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 coves, accent lighting, under-cabinet, etc.

Technical Information

Power Consumption Per Foot	3.4W (300+ lm/ft.), 6W (500+ lm/ft.)
Input Voltage	24V DC
Diodes per Foot	89
Tape Height	0.05 in.
Beam Angle	115°
Field Cuttable (UL 2108)	Every 2.18 in.
Dimmable	Yes

Diode Type	2016
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 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-TW-	12MM	I	300 324 lm/ft. (3.4W) 500 562 lm/ft. (6W)	24V	30-18K 40-18K	XXX Length in 1 in. increments Total lengths can not exceed the following: • Max run of 300 = 29.3 ft. • Max run of 500 = 16.3 ft.	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

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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)		300	500
Lumens (per ft.)	40-18K & 30-18K	324	562
Wattage* (per ft.)		3.4	6
Max Run Length** (ft.)		29.3	16.3
Closet Rated		✓	✓

*Power consumption based on average wattage per foot.

**Maximum run length per power feed.



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Specifications subject to change without notice.

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Photometry

1 ft., Nano Linear Tunable White Light Engine, 3.4W

LUMEN SUMMARY

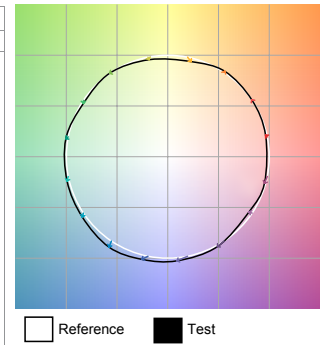
Zone	Lumens	% Fixture
0° - 15°	22.9 lm	7.07%
0° - 30°	85.1 lm	26.27%
0° - 45°	169 lm	52.16%
0° - 60°	250 lm	77.16%
0° - 75°	305 lm	94.14%
0° - 90°	321 lm	99.07%

FOOT CANDLES

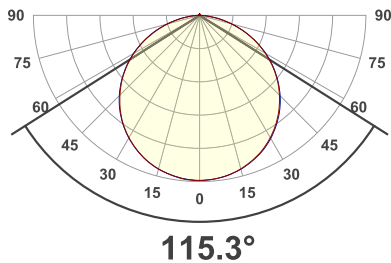
Distance	Foot Candles
1'	109 fcd
1.5'	48 fcd
2'	27 fcd
2.5'	17 fcd
3'	12 fcd
4'	7 fcd
5'	4 fcd
6'	3 fcd
9'	1 fcd
12'	1 fcd

COLOR VECTOR GRAPHIC

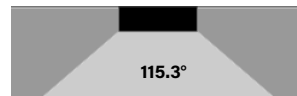
Hue Bin	R _t	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	2%
2	96	0%	1%
3	95	1%	0%
4	91	-4%	-4%
5	95	-3%	-1%
6	95	0%	2%
7	95	-2%	3%
8	95	2%	2%
9	92	2%	4%
10	94	3%	3%
11	91	6%	1%
12	89	4%	-5%
13	88	2%	-11%
14	87	1%	-9%
15	93	-3%	-1%
16	90	-1%	-7%



ANGULAR DISTRIBUTION 0 - 90°



BEAM ANGLE



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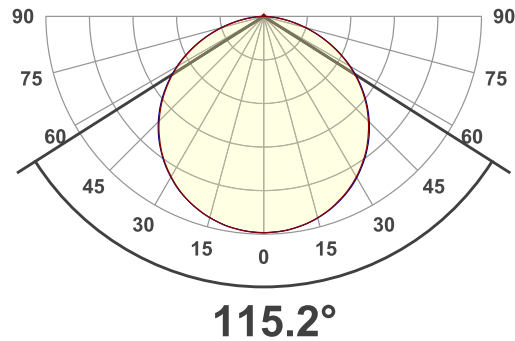
Photometry

1 ft., Nano Linear Tunable White Light Engine, 6W

LUMEN SUMMARY

Zone	Lumens	% Fixture
0° - 15°	39.8 lm	7.08%
0° - 30°	148 lm	26.33%
0° - 45°	294 lm	52.31%
0° - 60°	435 lm	77.40%
0° - 75°	529 lm	94.13%
0° - 90°	557 lm	99.11%

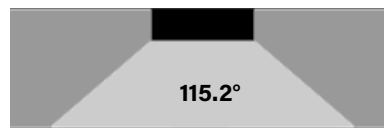
ANGULAR DISTRIBUTION 0 - 90°



FOOT CANDLES

Distance	Foot Candles
1'	189 fcd
1.5'	84 fcd
2'	47 fcd
2.5'	30 fcd
3'	21 fcd
4'	12 fcd
5'	8 fcd
6'	5 fcd
9'	2 fcd
12'	1 fcd

BEAM ANGLE



COLOR VECTOR GRAPHIC

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

