

**INTEGRATED TUBE**

Project
Schedule / Date
Notes
Catalog Number

UL Type B

**Product Description**

naturalLED<sup>®</sup> LED Integrated Driver T8 Tubes for direct wire installation will replace T8 and T12 Fluorescent Tubes.

Designed to be noise-free and non-flickering, our tubes selection from 9W to 40W, replacing up to a 110W T8 Fluorescent, with up to 60% in energy savings. Excellent color consistency, combined with the option of Plastic/Aluminum Construction or Glass Construction, our integrated driver design brings you the best retrofit solution.



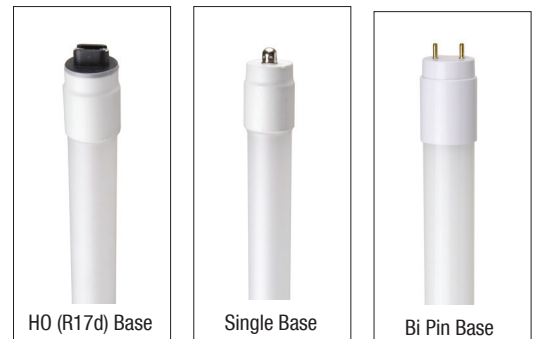
**Features & Benefits**

- ▶ DLC Qualified
- ▶ Damp Location
- ▶ Retrofit for T8 & T12 Fluorescent Tube
- ▶ Excellent color consistency
- ▶ No Flickering
- ▶ Noise Free Design
- ▶ 50,000 hrs rated average life

**Specifications**

- ▶ Input line voltage: 120-277V
- ▶ Powerfactor >0.9
- ▶ Operating temperature: -4°F ~ 113°F
- ▶ Finish: Glass Tube or Plastic/Aluminum

**Base Type**



**Applications**

- ▶ Conference Room
- ▶ Meeting Room
- ▶ Factory / Office
- ▶ School / University
- ▶ Hospital
- ▶ Hotel



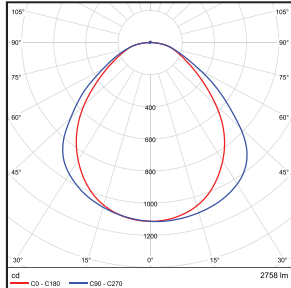
Ordering Information

Code	Description	CCT	Watt	Lumen	Equiv Wattage	Base	Length	Beam Angle	Rated Hrs		
* 5943	LED25T5/FR35/850	5000K	25	3,500	?	Bi-Pin	4-ft /48"	325°	50,000	•	•
5951	LED9T8/24FR10/840	4000K	9	1,119	17	Bi-Pin	2-ft /24"	325°	50,000	•	•
5952	LED9T8/24FR10/850	5000K	9	1,133	17	Bi-Pin	2-ft /24"	325°	50,000	•	•
5953	LED15T8/36FR16/840	4000K	15	1,600	25	Bi-Pin	3-ft /36"	325°	50,000	•	•
5954	LED15T8/36FR16/850	5000K	15	1,600	25	Bi-Pin	3-ft /36"	325°	50,000	•	•
5955	LED15T8/FR18/840	4000K	15	1,960	32	Bi-Pin	4-ft /48"	325°	50,000	•	•
5956	LED15T8/FR18/850	5000K	15	1,945	32	Bi-Pin	4-ft /48"	325°	50,000	•	•
5958	LED43T8/96FR55/840	4000K	43	5,500	110	Single	8-ft /96"	325°	50,000	•	•
5959	LED43T8/96FR55/850	5000K	43	5,500	110	Single	8-ft /96"	325°	50,000	•	•
5960	LED43T8/96FR55/R17D/840	4000K	43	5,500	110	R17d	8-ft /96"	325°	50,000	•	•
5961	LED43T8/96FR55/R17D/850	5000K	43	5,500	110	R17d	8-ft /96"	325°	50,000	•	•

\*New Updated as of Apr 2018

Photometric Data

T5 - 2ft - 9W



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1387.83	31.00
0-40	2277.03	50.90
0-60	3799.26	84.90
60-80	598.96	13.40
70-80	216.51	4.80
90-120	0.81	0.00
90-180	0.81	0.00
0-180	4474.07	100.00

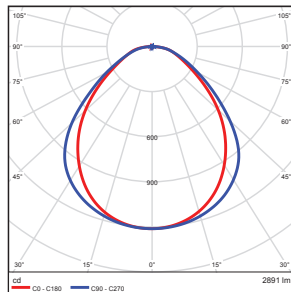
Total Luminaire Efficiency = 100.00%

Illuminance at a Distance

	Center Beam fc	Beam Width	
17.0ft	3.85 fc	36.5 ft	44.4 ft
34.0ft	0.96 fc	72.9 ft	88.9 ft
51.0ft	0.43 fc	109.4 ft	133.3 ft
68.0ft	0.24 fc	145.8 ft	177.7 ft
85.0ft	0.15 fc	182.3 ft	222.2 ft
102.0ft	0.11 fc	218.8 ft	266.6 ft

■ Vert. Spread: 94.0°  
■ Horiz. Spread: 105.2°

T8 - 4ft - 15W



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	936.84	32.40
0-40	1513.47	52.30
0-60	2454.84	84.90
60-80	379.40	13.10
70-80	140.82	4.90
90-120	2.93	0.10
90-180	6.73	0.20
0-180	2891.19	100.00

Total Luminaire Efficiency = 100.00%

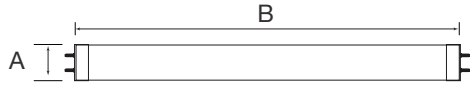
Illuminance at a Distance

	Center Beam fc	Beam Width	
17.0ft	4.26 fc	37.4 ft	43.1 ft
34.0ft	1.07 fc	74.9 ft	86.2 ft
51.0ft	0.47 fc	112.3 ft	129.2 ft
68.0ft	0.27 fc	149.8 ft	172.3 ft
85.0ft	0.17 fc	187.2 ft	215.4 ft
102.0ft	0.12 fc	224.6 ft	258.5 ft

■ Vert. Spread: 95.5°  
■ Horiz. Spread: 103.4°

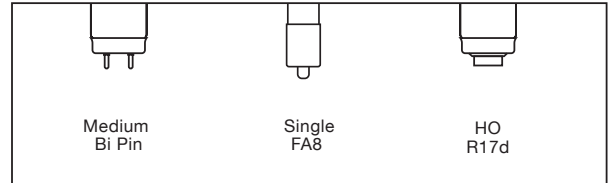
Product Dimensions

Tubes



Style	Length	A (Diameter)	B (Length)	Weight (lbs)
<b>T8</b>	2-ft	1.00" (25.4mm)	24" (609.6mm)	0.50
<b>T8</b>	3-ft	1.00" (25.4mm)	36" (914.4mm)	0.65
<b>T8</b>	4-ft	1.00" (25.4mm)	48" (1219.2mm)	0.80
<b>T8-Single</b>	8-ft	1.00" (25.4mm)	96" (2438.4mm)	1.50
<b>T8-R17d</b>	8-ft	1.00" (25.4mm)	96" (2438.4mm)	1.50

Base



Package

2-ft  
3-ft  
4-ft

Package  
(Master)  

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25

8-ft

Package  
(Master)  

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10