

Project
Schedule / Date
Notes
Catalog Number

Instant Fit T5 / T8

Product Description

With naturalLED® Instant-Fit T5 and T8; it's the easiest way to upgrade your fluorescent fixture to an LED system. Our Instant-Fit T5/T8 fits into an existing fluorescent system. Utilizes the existing electrical T5/T8 fluorescent ballast without re-wiring.

naturalLED® Instant-Fit tubes come in a variety of lengths and consistent colors. It makes upgrading your existing fluorescent system easy.



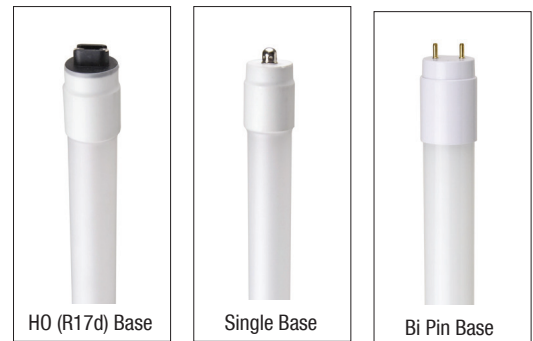
Features & Benefits

- ▶ DLC Qualified
- ▶ Damp Location
- ▶ Instant Fit (compatible with Instant Start FL Electronic T8 Ballast)
- ▶ Excellent color consistency
- ▶ No Flickering
- ▶ Noise Free Design
- ▶ 50,000 hrs rated average life

Specifications

- ▶ Input line voltage: 120
- ▶ Powerfactor >0.9
- ▶ Operating temperature: -4°F ~ 113°F
- ▶ Finish: Frosted glass structure

Base Type



Applications

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



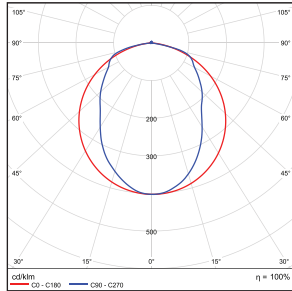
Ordering Information

Code	Description	CCT	Watt	Lumen	Equiv Wattage	Base	Length	Beam Angle	Rated Hrs	
5992	LED28T5/FR35/840/IF	4000K	28	3,500	54	G5	4-ft /48"	325°	50,000	•
5993	LED28T5/FR35/850/IF	5000K	28	3,500	54	G5	4-ft /48"	325°	50,000	•
5988	LED10T8/24FR10/840/IF	4000K	10	1,000	17	Bi-Pin	2-ft /24"	325°	50,000	•
5989	LED10T8/24FR10/850/IF	5000K	10	1,000	17	Bi-Pin	2-ft /24"	325°	50,000	•
5891	LED11T8/36FR14/840/IF	4000K	11	1,400	25	Bi-Pin	3-ft /36"	325°	50,000	•
5892	LED11T8/36FR14/850/IF	5000K	11	1,400	25	Bi-Pin	3-ft /36"	325°	50,000	•
5990	LED14T8/FR18/840/IF	4000K	14	1,800	30	Bi-Pin	4-ft /48"	325°	50,000	•
5991	LED14T8/FR18/850/IF	5000K	14	1,800	30	Bi-Pin	4-ft /48"	325°	50,000	•
5916	LED18T8/FR22/840/IF	4000K	18	2,200	32	Bi-Pin	4-ft /48"	325°	50,000	•
5917	LED18T8/FR22/850/IF	5000K	18	2,200	32	Bi-Pin	4-ft /48"	325°	50,000	•
5887	LED38T8/96FR44/840/IF	4000K	38	4,400	59	Single	8-ft /96"	325°	50,000	•
5888	LED38T8/96FR44/850/IF	5000K	38	4,400	59	Single	8-ft /96"	325°	50,000	•
5897	LED42T8/96FR50/R17d/840/IF	4000K	42	5,000	59	R17d	8-ft /96"	325°	50,000	•
5898	LED42T8/96FR50/R17d/850/IF	5000K	42	5,000	59	R17d	8-ft /96"	325°	50,000	•



Photometric Data

T5 - 4ft - 28W



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	3693.33	29.50
0-40	5833.88	46.70
0-60	9775.96	78.20
60-80	2435.17	19.50
70-80	975.98	7.80
90-120	26.15	0.20
90-180	95.37	0.80
0-180	12499.24	100.00

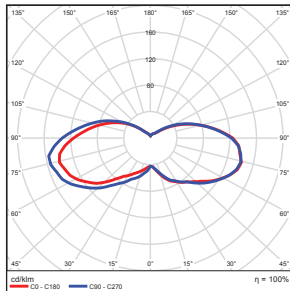
Total Luminaire Efficiency = 100.00%

Illuminance at a Distance

	Center Beam fc	Beam Width	
17.0ft	17.4 fc	52.7 ft	31.1 ft
34.0ft	4.35 fc	105.5 ft	62.1 ft
51.0ft	1.93 fc	158.2 ft	93.2 ft
68.0ft	1.09 fc	211.0 ft	124.2 ft
85.0ft	0.70 fc	263.7 ft	155.3 ft
102.0ft	0.48 fc	316.5 ft	186.3 ft

■ Vert. Spread: 114.4°
■ Horiz. Spread: 84.8°

T8 - 2ft - 10W



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	929.84	31.70
0-40	1507.43	51.40
0-60	2471.76	84.30
60-80	407.69	13.90
70-80	151.54	5.20
90-120	1.51	0.10
90-180	4.04	0.10
0-180	2932.51	100.00

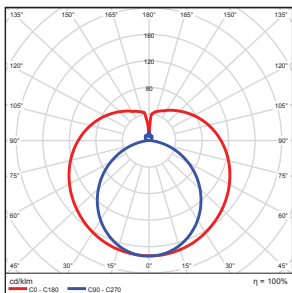
Total Luminaire Efficiency = 100.00%

Illuminance at a Distance

	Center Beam fc	Beam Width	
17.0ft	4.15 fc	35.4 ft	44.1 ft
34.0ft	1.04 fc	70.8 ft	88.2 ft
51.0ft	0.46 fc	106.2 ft	132.3 ft
68.0ft	0.26 fc	141.6 ft	176.5 ft
85.0ft	0.17 fc	177.0 ft	220.6 ft
102.0ft	0.12 fc	212.4 ft	264.7 ft

■ Vert. Spread: 92.3°
■ Horiz. Spread: 104.8°

T8- 3ft - 11W



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	235.12	13.80
0-40	392.02	23.00
0-60	741.50	43.50
60-80	315.39	18.50
70-80	149.02	8.70
90-120	294.72	17.30
90-180	520.18	30.50
0-180	1706.06	100.00

Total Luminaire Efficiency = 100.00%

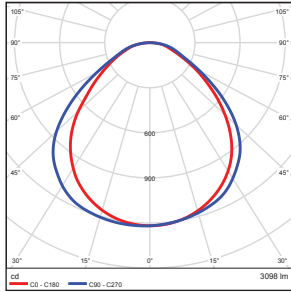
Illuminance at a Distance

	Center Beam fc	Beam Width	
17.0ft	1.03 fc	45.9 ft	
34.0ft	0.26 fc	91.8 ft	
51.0ft	0.11 fc	137.7 ft	
68.0ft	0.06 fc	183.6 ft	
85.0ft	0.04 fc	229.5 ft	
102.0ft	0.03 fc	275.4 ft	

■ Horiz. Spread: 106.9°

Photometric Data

T8 - 4ft -14W



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	962.13	31.10
0-40	1578.82	51.00
0-60	2631.32	84.90
60-80	415.65	13.40
70-80	148.88	4.80
90-120	0.00	0.00
90-180	0.00	0.00
0-180	3098.28	100.00

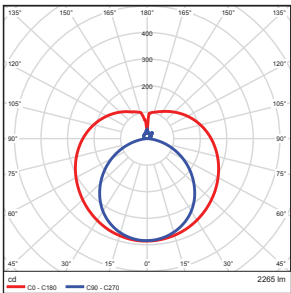
Total Luminaire Efficiency = 100.00%

Illuminance at a Distance

	Center Beam fc	Beam Width	
17.0ft	4.21 fc	38.8 ft	45.9 ft
34.0ft	1.05 fc	77.6 ft	91.8 ft
51.0ft	0.47 fc	116.3 ft	137.7 ft
68.0ft	0.26 fc	155.1 ft	183.6 ft
85.0ft	0.17 fc	193.9 ft	229.5 ft
102.0ft	0.12 fc	232.7 ft	275.4 ft

■ Vert. Spread: 97.5°
■ Horiz. Spread: 106.9°

T8 - 4ft -18W



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	306.65	13.50
0-40	513.21	22.70
0-60	975.12	43.10
60-80	418.13	18.50
70-80	197.71	8.70
90-120	395.88	17.50
90-180	699.98	30.90
0-180	2264.83	100.00

Total Luminaire Efficiency = 100.00%

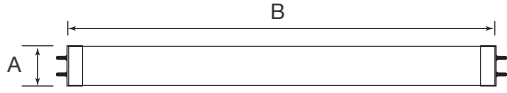
Illuminance at a Distance

	Center Beam fc	Beam Width	
17.0ft	1.33 fc	48.3 ft	48.3 ft
34.0ft	0.33 fc	96.7 ft	96.7 ft
51.0ft	0.15 fc	145.0 ft	145.0 ft
68.0ft	0.08 fc	193.3 ft	193.3 ft
85.0ft	0.05 fc	241.7 ft	241.7 ft
102.0ft	0.04 fc	290.0 ft	290.0 ft

■ Horiz. Spread: 109.7°

Product Dimensions

Tubes



Style	Length	A (Diameter)	B (Length)
T5	4-ft	0.625" (15.87mm)	48" (1219.2mm)
T8	2-ft	1.00" (25.4mm)	24" (609.6mm)
T8	3-ft	1.00" (25.4mm)	36" (914.4mm)
T8	4-ft	1.00" (25.4mm)	48" (1219.2mm)
T8	8-ft	1.00" (25.4mm)	96" (2438.4mm)

Package

