

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 lighting system. Our Instant-Fit T5/T8 fits into an existing fluorescent lighting 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
- ▶ UL Damp
- ▶ Instant Fit (compatible with Electronic Fluorescent Ballast)
*check compatibility list
- ▶ Available in horizontal and vertical position
- ▶ Up to 65% energy savings
- ▶ Instant on
- ▶ Contains no mercury or lead
- ▶ 50,000 hrs rated average life

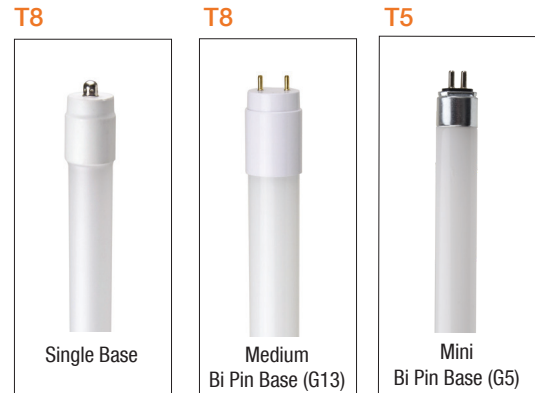
Specifications

- ▶ Input line voltage: Compatible with Electronic Fluorescent Ballast
- ▶ CRI: 80
- ▶ Plug and Play Design (UL Type A)
- ▶ Base: Single, Bi-Pin Medium, Mini Bi-Pin
- ▶ Operating temperature: -4°F - 113°F
- ▶ Finish: White Polycarbonate

Applications

- ▶ Retail Lighting
- ▶ Restaurant Lighting
- ▶ Hospitality Lighting
- ▶ Office
- ▶ School

Base Type



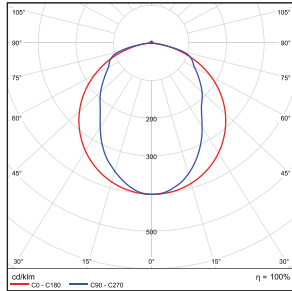
Ordering Information

Code	Description	CCT	Wattage	Bare Lamp Wattage	Lumen	Efficacy (lm/w)	Base	Length	Beam Angle	Rated Hrs	DLC
5902	LED28T5/FR32/840/IF	4000K	28	25	3,200	128	Bi-Pin(G5)	4-ft /48"	325°	50,000	•
5903	LED28T5/FR32/850/IF	5000K	28	25	3,200	128	Bi-Pin(G5)	4-ft /48"	325°	50,000	•
5988	LED10T8/24FR10/840/IF	4000K	10	8	1,000	100	Bi-Pin (G13)	2-ft /24"	325°	50,000	
5989	LED10T8/24FR10/850/IF	5000K	10	8	1,000	100	Bi-Pin (G13)	2-ft /24"	325°	50,000	
4551	LED12T8/36FR14/840/IF	4000K	12	10	1,450	120	Bi-Pin (G13)	3-ft /36"	325°	50,000	•
4552	LED12T8/36FR14/850/IF	5000K	12	10	1,450	120	Bi-Pin (G13)	3-ft /36"	325°	50,000	•
4536	LED13T8/FR16/840/IF	4000K	13	10.5	1,650	127	Bi-Pin (G13)	4-ft /48"	325°	50,000	•
4537	LED13T8/FR16/850/IF	5000K	13	10.5	1,650	127	Bi-Pin (G13)	4-ft /48"	325°	50,000	•
5990	LED14T8/FR18/840/IF	4000K	14	12	1,800	129	Bi-Pin (G13)	4-ft /48"	325°	50,000	
5991	LED14T8/FR18/850/IF	5000K	14	12	1,800	129	Bi-Pin (G13)	4-ft /48"	325°	50,000	
5887	LED38T8/96FR44/840/IF	4000K	38	33	4,400	116	Single	8-ft /96"	325°	50,000	
5888	LED38T8/96FR44/850/IF	5000K	38	33	4,400	116	Single	8-ft /96"	325°	50,000	

T5
4-ft
T8
2-ft
T8
3-ft
T8
4-ft
T8
8-ft

Photometric Data

T5 - 4ft - 28W



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	3759.22	29.60
0-40	5951.55	46.90
0-60	9962.64	78.60
60-80	2411.29	19.00
70-80	945.41	7.50
90-120	27.53	0.20
90-180	94.45	0.70
0-180	12682.38	100.00

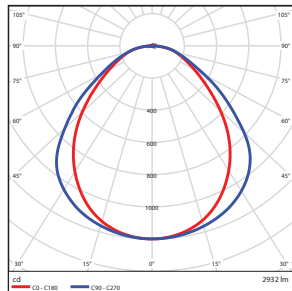
Total Luminaire Efficiency = 100.00%

Illuminance at a Distance

	Center Beam fc	Beam Width	
2.5ft	815 fc	7.7 ft	4.5 ft
5.0ft	204 fc	15.4 ft	8.9 ft
7.5ft	90.6 fc	23.2 ft	13.4 ft
10.0ft	50.9 fc	30.9 ft	17.9 ft
12.5ft	32.6 fc	38.6 ft	22.3 ft
15.0ft	22.6 fc	46.3 ft	26.8 ft

■ Vert. Spread: 114.2°
■ Horiz. Spread: 83.6°

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

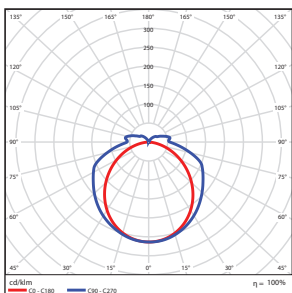
Total Luminaire Efficiency = 100.00%

Illuminance at a Distance

	Center Beam fc	Beam Width	
2.5ft	192 fc	5.2 ft	6.5 ft
5.0ft	48.0 fc	10.4 ft	13.0 ft
7.5ft	21.3 fc	15.6 ft	19.5 ft
10.0ft	12.0 fc	20.8 ft	25.9 ft
12.5ft	7.67 fc	26.0 ft	32.4 ft
15.0ft	5.33 fc	31.2 ft	38.9 ft

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

T8 - 3ft - 12W



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%

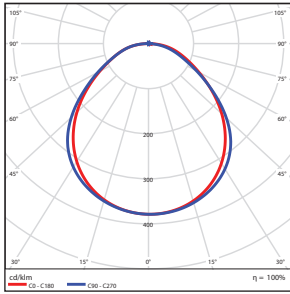
Illuminance at a Distance

	Center Beam fc	Beam Width	
2.5ft	117 fc	6.5 ft	15.2 ft
5.0ft	29.2 fc	13.0 ft	30.5 ft
7.5ft	13.0 fc	19.5 ft	45.7 ft
10.0ft	7.31 fc	26.0 ft	60.9 ft
12.5ft	4.68 fc	32.4 ft	76.2 ft
15.0ft	3.25 fc	38.9 ft	91.4 ft

■ Vert. Spread: 104.8°
■ Horiz. Spread: 143.7°

Photometric Data

T8 - 4ft -13W



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	810.08	29.50
0-40	1322.83	48.20
0-60	2238.49	81.60
60-80	440.08	16.00
70-80	165.59	6.00
90-120	2.16	0.10
90-180	5.03	0.20
0-180	2742.65	100.00

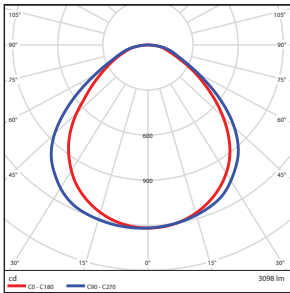
Total Luminaire Efficiency = 100.00%

Illuminance at a Distance

	Center Beam fc	Beam Width	
5.0ft	41.6 fc	12.3 ft	12.9 ft
10.0ft	10.4 fc	24.7 ft	25.8 ft
15.0ft	4.62 fc	37.0 ft	38.7 ft
20.0ft	2.60 fc	49.3 ft	51.5 ft
25.0ft	1.66 fc	61.6 ft	64.4 ft
30.0ft	1.15 fc	74.0 ft	77.3 ft

■ Vert. Spread: 101.9°
■ Horiz. Spread: 104.4°

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%

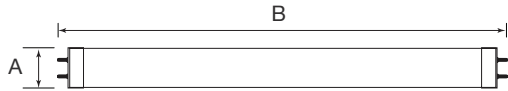
Illuminance at a Distance

	Center Beam fc	Beam Width	
2.5ft	195 fc	5.7 ft	6.8 ft
5.0ft	48.7 fc	11.4 ft	13.5 ft
7.5ft	21.7 fc	17.1 ft	20.3 ft
10.0ft	12.2 fc	22.8 ft	27.0 ft
12.5ft	7.80 fc	28.5 ft	33.8 ft
15.0ft	5.41 fc	34.2 ft	40.5 ft

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

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

2-ft
3-ft
4-ft

Package
(Master)

25

8-ft

Package
(Master)

10