

Day-Brite

CFI

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Recessed

T-Grid LED troffer



Achieve the latest efficiency in a classic design



The T-Grid LED Troffer features a frosted prismatic lens to enhance visual comfort. It also utilizes highly reliable and efficient Philips LED platform boards and dimmable driver, enabling market leading product efficiency in its category.

- Category leading energy efficiency (up to 112 LPW)
- Easy access from below for LED board and driver maintenance
- Standard 0-10V dimming, step dimming and integral emergency options add even more application flexibility
- Frosted prismatic lens minimizes brightness and provides better visual comfort
- Available in multiple lumen packages ranging from 2000-7400 lumens (depending on configuration)
- High CRI (80+)
- 3000K, 3500K, 4000K, and 5000K color temperatures
- Minimum life rating of 50,000 hours (L70)
- 5 year limited warranty covers luminaire as well as board and driver (visit www.philips.com/warranties for full details)
- Lightweight design is easy to install
- Available in 1'x4', 2'x2' and 2'x4' configurations



Suggested Applications

Office Environments	Education Facilities	Hospitals/Care Homes	Other
Open Plan Offices	Classrooms	Patient Rooms	Retail
Cubicles	Hallways	Corridors	Supermarkets
Individual Offices	Cafeterias	Laboratories	Storage Facilities
Meeting/Conference Rooms	Libraries	Lobbies	Banks
			Convention Centers
			Convenience Stores/Gas Stations



Ordering Information



Ordering guide

Example: 2TG30L840-2-FS-02F-UNV-DIM

Width	Family	Ceiling Type	Lumen Package (nominal delivered lumens)	Color	Length	Door Frame	Lens	Voltage	Driver	Options
	T	G		—	—	—	02F —	—	—	
1 1' 2 2'	T T-Grid LED Troffer	G Grid	1x4 22L 2200 32L 3200 42L 4200 50L 5200 2x2 20L ¹ 2000 30L 3000 38L 3800 45L 4500 2x4 32L 3200 38L 3800 43L 4300 48L 4800 54L 5400 74L 7400	830 80 CRI, 3000K 835 80 CRI, 3500K 840 80 CRI, 4000K 850 80 CRI, 5000K	2 2' 4 4'	FS Flat Steel FA² Flat Aluminum RA Regressed Aluminum	02F Pattern 12, .100" nominal diffuse 50%	UNV Universal Voltage 120-277V 347 347V	DIM 0-10V dimming (control leads factory installed and extended to access plate) SDIM¹ Step dimming to 40% input power	F1 3/8" flex, 3 wire, 18 gauge F2 3/8" flex, 4 wire, 18 gauge F1D Two 3/8" flex, 3 Wire, 18 gauge, for separated 0-10V dimming control leads F2/5W 3/8" flex, 5 wire, 18 gauge, for integrated 0-10V dimming control leads EMLED¹ Integral emergency battery pack 1W 1-way gasket between lens & door frame 2W 1-way & gasket between door frame & housing 3W 2-way & gasket between housing & ceiling (field installed)

Footnotes

- 1 Refer to specification sheets for specific details on the availability of these options
- 2 Not available on 1x4.

Accessories (order separately)

- **FMA14** – 1'x4' "F" mounting frame for NEMA "F" mounting
- **FMA22** – 2'x2' "F" mounting frame for NEMA "F" mounting
- **FMA24** – 2'x4' "F" mounting frame for NEMA "F" mounting
- **GCP** – Grid clip pack (1'x4')



Sample Applications

Open Area 2x2:

Sample area:
24' wide x 9' long x 9' ceiling

Reflectances:
80x50x20

Calculation Grid:
2.5 feet

Maintenance Factor:
0.85LLD, 0.94LDD, 0.799LLF

Spacing	Number of Luminaires	Luminaire Catalog Number	Maintained Average Illumination	Max./Min.	Input Power/Lumen	Watts/ Sq. Foot
8' x 8'	15	2TG20L8402UNV	25.34 fc	2.70	23	0.342
		2TG30L8402UNV	33.17 fc	2.69	32.7	0.487
		2TG38L8402UNV	40.91 fc	2.70	43.5	0.647
		2TG45L8402UNV	50.40 fc	2.71	51.5	0.766
8' x 10'	12	2TG20L8402UNV	20.60 fc	3.09	23	0.274
		2TG30L8402UNV	26.96 fc	3.07	32.7	0.389
		2TG38L8402UNV	33.26 fc	3.07	43.5	0.518
		2TG45L8402UNV	40.98 fc	3.09	51.5	0.613
10' x 10'	12	2TG20L8402UNV	19.44 fc	2.50	23	0.274
		2TG30L8402UNV	25.43 fc	2.50	32.7	0.389
		2TG38L8402UNV	31.38 fc	2.50	43.5	0.518
		2TG45L8402UNV	38.67 fc	2.53	51.5	0.613

Open Area 2x4:

Sample area:
24' wide x 42' long x 9' ceiling

Reflectances:
80x50x20

Calculation Grid:
2.5 feet

Maintenance Factor:
0.85LLD, 0.94LDD, 0.799LLF

Spacing	Number of Luminaires	Luminaire Catalog Number	Maintained Average Illumination	Max./Min.	Input Power/Lumen	Watts/ Sq. Foot
8' x 8'	15	2TG32L8404UNV	35.83 fc	2.71	27.4	0.408
		2TG38L8404UNV	42.69 fc	2.63	33.0	0.491
		2TG43L8404UNV	48.84 fc	2.63	38.4	0.571
		2TG48L8404UNV	54.02 fc	2.64	43.2	0.643
		2TG54L8404UNV	60.39 fc	2.63	49.3	0.734
		2TG74L8404UNV	83.27 fc	2.63	74.1	1.103
8' x 10'	12	2TG32L8404UNV	29.35 fc	3.08	27.4	0.326
		2TG38L8404UNV	35.00 fc	3.00	33.0	0.393
		2TG43L8404UNV	40.04 fc	3.00	38.4	0.457
		2TG48L8404UNV	44.28 fc	2.99	43.2	0.514
		2TG54L8404UNV	49.51 fc	3.00	49.3	0.587
		2TG74L8404UNV	68.27 fc	2.99	74.1	0.882
10' x 10'	12	2TG32L8404UNV	27.42 fc	2.48	27.4	0.326
		2TG38L8404UNV	32.67 fc	2.47	33.0	0.393
		2TG43L8404UNV	37.38 fc	2.46	38.4	0.457
		2TG48L8404UNV	39.74 fc	2.47	43.2	0.514
		2TG54L8404UNV	46.21 fc	2.47	49.3	0.587
		2TG74L8404UNV	63.72 fc	2.47	74.1	0.882

Corridor 2x2:

Sample area:
5' wide x 102' long x 9' ceiling

Reflectances:
80x50x20

Calculation Grid:
2.5 feet

Maintenance Factor:
0.85LLD, 0.94LDD, 0.799LLF

Spacing	Number of Luminaires	Luminaire Catalog Number	Maintained Average Illumination	Max./Min.	Input Power/Lumen	Watts/Sq. Foot
12'	9	2TG20L8402UNV	17.37 fc	2.13	23	0.406
		2TG30L8402UNV	22.73 fc	2.13	32.7	0.577
		2TG38L8402UNV	28.04 fc	2.13	43.5	0.768
		2TG45L8402UNV	34.56 fc	2.15	51.5	0.909
14'	8	2TG20L8402UNV	15.15 fc	2.85	23	0.361
		2TG30L8402UNV	19.83 fc	2.86	32.7	0.513
		2TG38L8402UNV	24.48 fc	2.84	43.5	0.682
		2TG45L8402UNV	30.14 fc	2.88	51.5	0.808
16'	7	2TG20L8402UNV	13.33 fc	3.84	23	0.316
		2TG30L8402UNV	17.45 fc	3.87	32.7	0.449
		2TG38L8402UNV	21.53 fc	3.87	43.5	0.597
		2TG45L8402UNV	26.52 fc	3.90	51.5	0.707

Corridor 2x4:

2x4 sample area:
5' wide x 102' long x 9' ceiling

Reflectances:
80x50x20

Calculation Grid:
2.5 feet

Maintenance Factor:
0.85LLD, 0.94LDD, 0.799LLF

Spacing	Number of Luminaires	Luminaire Catalog Number	Maintained Average Illumination	Max./Min.	Input Power/Lumen	Watts/Sq. Foot
12'	9	2TG32L8404UNV	24.40 fc	1.95	27.4	0.484
		2TG38L8404UNV	29.05 fc	1.95	33.0	0.582
		2TG43L8404UNV	33.24 fc	1.94	38.4	0.678
		2TG48L8404UNV	36.76 fc	1.95	43.2	0.762
		2TG54L8404UNV	41.09 fc	1.95	49.3	0.870
		2TG74L8404UNV	56.66 fc	1.95	74.1	1.308
14'	8	2TG32L8404UNV	21.22 fc	2.61	27.4	0.430
		2TG38L8404UNV	25.29 fc	2.59	33.0	0.518
		2TG43L8404UNV	28.94 fc	2.59	38.4	0.602
		2TG48L8404UNV	32.01 fc	2.60	43.2	0.678
		2TG54L8404UNV	35.78 fc	2.58	49.3	0.773
		2TG74L8404UNV	49.34 fc	2.59	74.1	1.162
16'	7	2TG32L8404UNV	18.83 fc	3.52	27.4	0.376
		2TG38L8404UNV	22.45 fc	3.54	33.0	0.453
		2TG43L8404UNV	25.67 fc	3.53	38.4	0.527
		2TG48L8404UNV	28.40 fc	3.52	43.2	0.593
		2TG54L8404UNV	31.74 fc	3.53	49.3	0.677
		2TG74L8404UNV	43.76 fc	3.51	74.1	1.017

