



Catalog Number:

Type:

FGT24

T5, T5HO



High Lumen Recessed Troffer

Specifications

Reflectors - Precision formed, high performance, 95% total reflectance, segmented optics utilizing Alanod MIRO® 4 specular aluminum warranted for 25 years.

- Optional heavy gauge reflector material is available for more demanding applications.

Construction - 22 gauge cold rolled steel housing is rigid and fully assembled with rivets. Access plate provided for easy wiring access.

- Optional 20 gauge NY City Code housing available.

Lamp Shielding - Lamp shielding options are provided with a 22ga., premium polyester powder coat finish door frame with two painted hinges and two painted opposing rotary cam latches. Lenses are held in place with lens clips.

- Optional wireguards can be provided in the door frame along with a lens. Suffix "WG" to the lens selection.

Finish - Standard high gloss white baked enamel, pretreated with a 5-stage iron phosphate system.

- Optional premium polyester powder coat finish, utilizing a 7-stage pretreatment process of iron phosphate, a non-chromium sealer and a de-ionized water rinse to provide superior adhesion and corrosion resistance. Specify PAF (powder coat after fabrication).

Ballasts - All standard ballasts are electronic, energy saving, thermally protected, Class-P, HPF, non-PCB, Sound Rated A, UL/CSA certified where applicable and comply with © Federal Ballast Law (Public Law 100-357, 1988).

Electrical - UL listed wire, rated for required temperatures, used throughout. Lamps are secured with push button locking lamp holders for ease of relamping and to reduce lamps disconnecting due to vibration or incidental contact. Luminaire is bi-national listed (UL 1598 and CSA C22.2 No. 250.0-00) and is suitable for damp locations.

Mounting - The luminaire is designed for mounting in a standard NEMA G grid ceiling.

- Custom mounting options are available.
- Accessories are available.

Lamps - Factory installed lamps are available in various CRI ratings, temperature colors and rated life.

Warranty - Standard 1-year warranty for the fixture. Ballasts carry manufacturer warranties of 3-5 years, depending on the application.

Custom Requirements - Consult with your SpecLight Agent to develop custom solutions for any application.

Fixture Series	
FGT24	2' x 4'
Lamp Configuration	
4	4-lamp profile
5	5-lamp profile
6	6-lamp profile
Lamp Type/Wattage	
28T5	F28T5
54T5HO	F54T5HO
Photometric Distribution	
T1	Task Beam
N1	Normal Beam
Reflector	
X12	MIRO® 4, 0.012"
X20	MIRO® 4, 0.020"
Door Frame	
(blank)	White, Flush steel
FN	Natural, Flush aluminum
FM	Matte black, Flush aluminum
FW	White, Flush aluminum
Lamp Shielding	
A12	Pattern 12 Acrylic, 0.110"
A12125	Pattern 12 Acrylic, 0.125"
A12WG	A12 Acrylic Lens, w/ Wireguard
NLWG	Wireguard in door, no lens
PCL125	Clear Polycarbonate, 0.125"
Voltage	
120	120V, 60 Hz
277	277V, 60 Hz
MVOLT	120V - 277V, 60 Hz
HVOLT	347-480V, 60 Hz
Ballast Configuration	
(blank)	all 2-lamp ballast
1/31/2	(1) 3-lamp & (1) 2-lamp ballast
1/4	(1) 4-lamp ballast
2/3	(2) 3-lamp ballast
1/41/2	(1) 4-lamp & (1) 2-lamp ballast
Ballast Type	
GEB10PS	1.0 BF, ≤10% THD, PRS
Lamps	
(blank)	No Lamps
LP841	std life, 4100°K, 85 CRI
LPM841	low Hg, std life, 4100°K, 85 CRI
Options	
NYC	20 gauge, NY City Code
PAF	Powder Coat After Fabrication
PWS1836	Pre-wire (whip), 3/8", 18/3, 6'



Applications

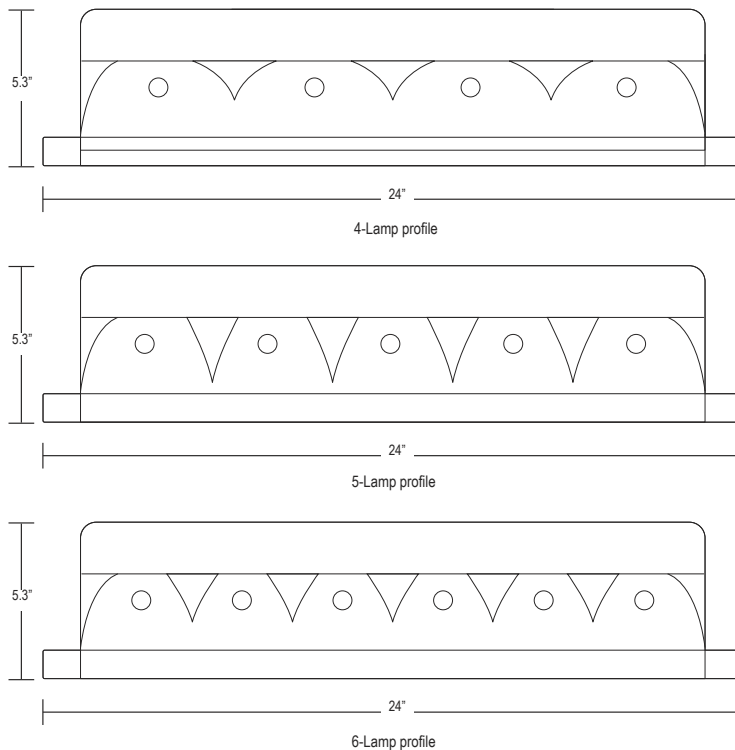
SpecLight's FGT series high lumen recessed troffer is designed to deliver maximum efficiency and lighting control. Precise photometric distribution provides the high performance general lighting required in offices, schools, hospitals and retail interiors.

Features

The FGT series of luminaires provide the high fixture efficiency and optical control needed to deliver peak candlepower, producing desired illumination levels from high mounting heights.

- Fully specular luminaire interior minimizes luminaire brightness
- Precision formed reflector system produces distribution appropriate for various task requirements
- Fixtures are available pre-lamped and wired with Reloc for fast installation
- Protective film guards MIRO®4 finish during construction

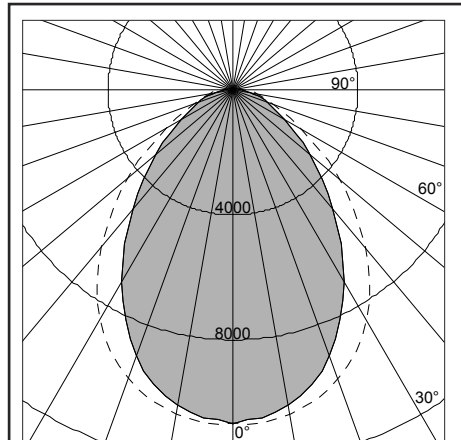
Dimensions



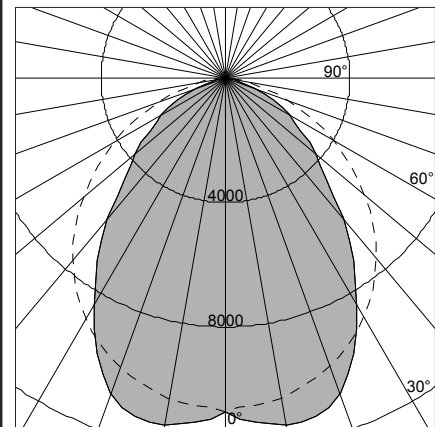
Photometrics

SC Across Definitions:

- Focus ($SC < 0.9$), i.e. F1X12
- Task ($0.9 \leq SC < 1.2$), i.e. T1X12
- Normal ($1.2 \leq SC \leq 1.4$), i.e. N1X12, N1D20
- Spread ($1.4 < SC \leq 1.8$), i.e. S1X12
- Broad ($1.8 < SC$), i.e. B1X12



FGT24 6 54T5HO T1X12 A12
Test #ALP200349_S
Fixture Efficiency: 78.6%
SC Across: 1.0, SC Along: 1.2



FGT24 6 54T5HO N1X12
Test #ALP200350_S
Fixture Efficiency: 95.7%
SC Across: 1.2, SC Along: 1.2

Additional Options (installed on fixture)

- Battery Pack
- Reloc
- Fusing
- Whips

Accessories (order separately)

- Drywall Grid Adapter

DGA24

