

LOW-PROFILE T5 INDUSTRIAL

GL

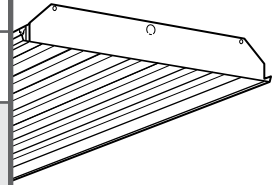
SUBMITTAL:

8-Lamp T5

JOB:

TYPE:

VOLTAGE:



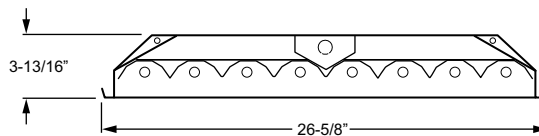
EXAMPLE

GL - 4 - 8 54T5H - OPTIONS - EB4/4 - UNV

SERIES NOMINAL LENGTH TOTAL LAMPS WATTAGE/TYPE OPTIONS/ACCESSORIES BALLAST TYPE VOLTAGE

FEATURES

- ▶ Up to **94.1% optical efficiency**.
- ▶ Optional energy-saving occupancy sensors available, see Fluorescent Information section.
- ▶ Aluminum housing with vented fixture back for maximum heat dissipation and extended ballast life.
- ▶ Shallow fixture depth of less than 4" allows fixture placement near the ceiling for maximum space utilization and reduces damage incurred from material handling equipment.
- ▶ Easy access to ballast without the removal of lamps or the use of tools.
- ▶ Unlike HID, T5HO lamps maintain 95% of their original output and provide much better color rendition.
- ▶ Quick-wire access plate in back of fixture housing for easy attachment of incoming power supply.
- ▶ This fixture is proudly made in the USA.



SPECIFICATIONS

Housing – .050" die-formed aluminum housing.
Reflector – Precision-formed 95% reflective highly specular aluminum.
Finish – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
Electrical – Electronic ballast standard, program start T5, rated Class P.
Mounting – Suspended (see options in ordering information).
Labels – UL/CUL listed as fluorescent luminaire suitable for dry or damp locations.

ORDERING INFORMATION

SERIES

GL Low-Profile T5 Industrial

NOMINAL LENGTH

4 4'

TOTAL LAMPS

8

LAMP WATTAGE/TYPE

54T5H 4', 54-watt T5HO

BALLAST TYPE

EB4/4 (2) 4-lamp electronic ballasts
EB2/2/2/2 (4) 2-lamp electronic ballasts

VOLTAGE

Must specify voltage (not UNV or HRV) if using modular wiring, cord and plug, or occupancy sensor.

120	120V	347	347V
277	277V	480	480V
UNV	120-277V	HRV	347-480V

OPTIONS/ACCESSORIES

For generic **EM ballast** and **occupancy sensor** options (must specify voltage), see Fluorescent Information section. See Fluorescent Information section for accessories.

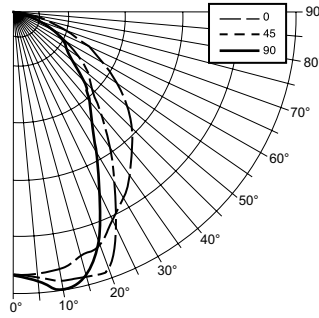
- HA** High ambient (standard when specified with SCHA118 option)
- VBY** (2) Y-hangers
- VBY-2** (2) Y-hangers and (2) 2' chains
- HUB 3/4" & VBY** 3/4" hub with (2) Y-hangers
- 3SB** 3" spacer bracket (1 pair)
- S7238/B** 72" cord, 3-conductor, No. 18 AWG, black
- 6CPI/L5-15P/TWLK** 6' cord and NEMA twistlock 15 AMP plug, 120V
- 6CPI/L7-15P/TWLK** 6' cord and NEMA twistlock 15 AMP plug, 277V
- SCHA118** Steel door frame, clear, high-temperature, non-prismatic acrylic, .118" thick
- WG11** 11-gauge wireguard, white powder coated

PHOTOMETRY

Catalog #: **GL-4-854T5H-EB4/4**

TEST REPORT INFORMATION

- ▶ Test Report #: 14211.0
- ▶ Date: 07/03/08
- ▶ Lamp Type: FP54T5HO/835
- ▶ Lamp Quantity: 8



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	17392.	17392.	17392.	
5°	17358.	17594.	17854.	1679.7
15°	16680.	18025.	18131.	5020.4
25°	15182.	15642.	13223.	6945.2
35°	13082.	10947.	8859.	7130.6
45°	10849.	7216.	6413.	6392.1
55°	8210.	4954.	4117.	4861.4
65°	5320.	2913.	2689.	3311.7
75°	2430.	1215.	672.	1327.1
85°	294.	165.	188.	207.0
90°	0.	0.	0.	

ZONAL CAVITY COEFFICIENTS

	Ceiling	.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10
Room Cavity Ratio	0	1.12	1.12	1.12	1.09	1.09	1.09	1.05	1.05	1.05
	1	1.05	1.01	.98	1.02	.99	.96	.95	.93	.90
	2	.97	.91	.85	.95	.89	.84	.86	.82	.78
	3	.90	.82	.75	.88	.80	.74	.78	.72	.68
	4	.83	.74	.66	.81	.72	.66	.70	.64	.60
	5	.77	.66	.58	.75	.65	.58	.63	.57	.52
	6	.71	.60	.52	.69	.59	.52	.57	.51	.46
	7	.66	.54	.47	.64	.54	.46	.52	.46	.41
	8	.61	.49	.42	.60	.49	.41	.47	.41	.36
	9	.56	.44	.37	.55	.44	.37	.43	.36	.32
	10	.52	.41	.34	.51	.40	.33	.39	.33	.29

Effective Floor Cavity Reflectance = .20

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	13645.	34.8	37.0
0 - 40	20776.	53.0	56.3
0 - 60	32029.	81.7	86.9
0 - 90	36875.	94.1	100.0
Total Luminaire:			
0 - 180	36875.	94.1	100.0

Total Luminaire Optical Efficiency: **94.1%**
 IES Spacing Criteria: End = 1.2
 Diagonal = 1.1
 Across = 1.0

FIXTURE DETAILS

BACK VIEW

