

SUBMITTAL:

T5

JOB:

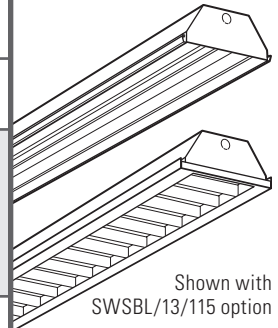
TYPE:

VOLTAGE:

EXAMPLE

GLN - 4 - 2 54T5H - OPTIONS - EB2 - UNV

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

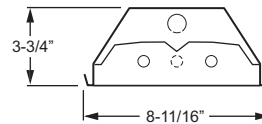


Shown with SWSBL/13/115 option



FEATURES

- ▶ Up to **93.6% optical efficiency**.
- ▶ Optional energy-saving occupancy sensors available, see Fluorescent Information section.
- ▶ Heavy-gauge aluminum housing for maximum heat dissipation and extended ballast life.
- ▶ Easy access to ballast without the use of tools.
- ▶ Unlike HID, T5HO lamps maintain 95% of their original output and provide much better color rendition.
- ▶ 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.
- ▶ Quick-wire access plate in back of fixture housing for easy attachment of incoming power supply.
- ▶ Variety of mounting options.
- ▶ This fixture is proudly made in the USA.



SPECIFICATIONS

Housing – .040" 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

GLN Narrow Industrial

NOMINAL LENGTH

4 4'
8 8'

TOTAL LAMPS

1, 2, 3, 4, or 6 (1-, 2-, or 3-lamp cross-section)

LAMP WATTAGE/TYPE

28T5S 4', 28-watt T5
54T5H 4', 54-watt T5HO

OPTIONS/ACCESSORIES

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

- UP** Uplight apertures
- WHITE REFL** White reflector
- VBV** (2) Y-hangers
- VBV-2** (2) Y-hangers and (2) 2' chains
- 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
- WG11** 11-gauge wireguard, white powder coated
- 3SB** 3" spacer bracket (1 pair)
- HOOK/CABLE** Hook and cable mounting kit, 10'

OPTIONS/ACCESSORIES (Continued)

- SCHA118** Steel door frame, clear, high-temperature, non-prismatic acrylic, .118" thick
- HUB MT 3/4"** Cast iron hub and junction box for single 3/4" pendant mount (shipped not attached, 4' unit only)
- HUB/HOOK MT** Cast iron hub with mounting hook (shipped not attached, 4' unit only)
- GC2/Y18/5** Cable suspension kit, 5' length (1 pair)
- GC2/Y18/10** Cable suspension kit, 10' length (1 pair)
- SWSBL/13/115** White, straight blade louver, 1-3/8" deep, 1-lamp cross-section only, 1 x 15-cell
- SWSBL/13/215** White, straight blade louver, 1-3/8" deep, 2-lamp cross-section only, 2 x 15-cell
- SWSBL/13/315** White, straight blade louver, 1-3/8" deep, 3-lamp cross-section only, 3 x 15-cell

BALLAST TYPE

- EB1** 1-lamp electronic ballast
- EB2** 2-lamp electronic ballast
- EB3** 3-lamp electronic ballast
- EB4** 4-lamp electronic ballast
- EB2/2** (2) 2-lamp electronic ballasts
- EB3/3** (2) 3-lamp electronic ballasts
- EB4/2** (1) 4-lamp and (1) 2-lamp electronic ballast

VOLTAGE

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

- | | |
|-----------------|---------------------------------|
| 120 120V | UNV 120-277V |
| 208 208V | 347 347V |
| 240 240V | 480 480V (T5HO only) |
| 277 277V | HRV 347-480V (T5HO only) |

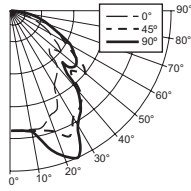
T5

GLN PHOTOMETRY – 2 LAMPS

Catalog #: **GLN-4-254T5H-EB2**

TEST REPORT INFORMATION

- ▶ Test Report #: 12702.0
- ▶ Date: 06/14/05
- ▶ Lamp Type: FP54T5H0/835
- ▶ Lamp Quantity: 2



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	2665	26.7	28.5
0 - 40	4308	43.1	46.0
0 - 60	7331	73.3	78.3
0 - 90	9360	93.6	100.0
Total Luminaire:			
0 - 180	9360	93.6	100.0

Total Luminaire Optical Efficiency: **93.6%**
IES Spacing Criteria: End = 1.1, Diagonal = 1.5, Across = 1.5

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	2902	2902	2902	
5	2907	2894	2917	277.3
15	2917	2992	3410	877.2
25	2613	3342	3878	1510.7
35	1907	2871	2917	1642.3
45	1277	2028	1738	1386.9
55	1306	1829	1852	1636.2
65	806	1270	1264	1218.7
75	346	643	790	669.9
85	55	120	117	140.5
90	0	0	0	

ZONAL CAVITY COEFFICIENTS

Room Cavity Ratio	Ceiling			Wall			Floor		
	.80	.70	.50	.80	.70	.50	.80	.70	.50
0	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04
1	1.03	.98	.95	1.00	.96	.93	.92	.90	.87
2	.94	.86	.80	.91	.85	.79	.81	.77	.73
3	.86	.77	.69	.84	.75	.68	.72	.67	.62
4	.79	.68	.60	.77	.67	.59	.64	.58	.53
5	.72	.60	.52	.70	.59	.51	.57	.50	.45
6	.66	.54	.45	.64	.53	.45	.51	.44	.39
7	.61	.48	.40	.59	.47	.40	.46	.39	.34
8	.56	.43	.35	.55	.43	.35	.41	.34	.29
9	.52	.39	.31	.50	.38	.31	.37	.30	.26
10	.48	.35	.28	.47	.35	.28	.34	.27	.23

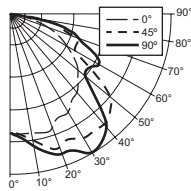
Effective Floor Cavity Reflectance = .20

GLN PHOTOMETRY – 3 LAMPS

Catalog #: **GLN-4-354T5H-EB3**

TEST REPORT INFORMATION

- ▶ Test Report #: 12690.0
- ▶ Date: 06/09/05
- ▶ Lamp Type: FP54T5H0/835
- ▶ Lamp Quantity: 3



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	3576	23.8	26.5
0 - 40	6054	40.4	44.9
0 - 60	10544	70.3	78.2
0 - 90	13486	89.9	100.0
Total Luminaire:			
0 - 180	13486	89.9	100.0

Total Luminaire Optical Efficiency: **89.9%**
IES Spacing Criteria: End = 1.3, Diagonal = 1.6, Across = 1.5

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	3756	3756	3756	
5	3813	3872	3990	370.9
15	3839	4429	4599	1222.4
25	3453	4331	4829	1982.6
35	2974	4213	4239	2478.2
45	2424	3551	2679	2357.3
55	1762	1998	2758	2132.1
65	1100	1880	1965	1705.2
75	504	1140	1107	1060.2
85	72	157	157	177.4
90	0	0	0	

ZONAL CAVITY COEFFICIENTS

Room Cavity Ratio	Ceiling			Wall			Floor		
	.80	.70	.50	.80	.70	.50	.80	.70	.50
0	1.07	1.07	1.07	1.05	1.05	1.05	1.00	1.00	1.00
1	.99	.94	.91	.96	.92	.89	.89	.86	.83
2	.90	.83	.77	.88	.81	.76	.78	.74	.70
3	.82	.73	.66	.80	.72	.65	.69	.64	.59
4	.75	.65	.57	.73	.64	.57	.62	.55	.50
5	.69	.57	.49	.67	.56	.49	.54	.48	.43
6	.63	.51	.43	.62	.50	.43	.49	.42	.37
7	.58	.46	.38	.57	.45	.38	.44	.37	.32
8	.53	.41	.33	.52	.41	.33	.39	.33	.28
9	.49	.37	.29	.48	.36	.29	.35	.29	.24
10	.46	.33	.26	.44	.33	.26	.32	.26	.21

Effective Floor Cavity Reflectance = .20

FIXTURE DETAILS

BACK VIEW

