

# LOW-PROFILE T8 INDUSTRIAL

**GL**

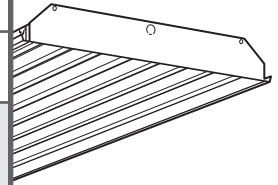
**SUBMITTAL:**

**8-Lamp T8**

**JOB:**

**TYPE:**

**VOLTAGE:**



EXAMPLE

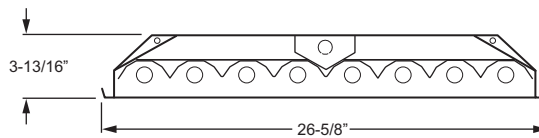
**GL - 4 - 8 32 - OPTIONS - EBHW4/4 - UNV**

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



## FEATURES

- ▶ Up to **97.8% optical efficiency**.
- ▶ Optional energy-saving occupancy sensors available, see Fluorescent Information section.
- ▶ 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.
- ▶ 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** – 22-gauge die-formed C.R.S.  
**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, instant start T8, 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 T8 Industrial

### NOMINAL LENGTH

**4** 4'

### TOTAL LAMPS

**8**

### LAMP WATTAGE/TYPE

**32** 4', 32-watt T8

### BALLAST TYPE

**EB4/4** (2) 4-lamp electronic ballasts  
**EBHW4/4** (2) 4-lamp high-wattage electronic ballasts

### VOLTAGE

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

<b>120</b>	120V	<b>347</b>	347V
<b>277</b>	277V	<b>480</b>	480V
<b>UNV</b>	120-277V	<b>HRV</b>	347-480V

### OPTIONS/ACCESSORIES

For generic **EM ballast** and **occupancy sensor**<sup>1</sup> options (must specify voltage), see Fluorescent Information section. See Fluorescent Information section for accessories.

- 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

<sup>1</sup> Program start ballast recommended to avoid shortened lamp life.

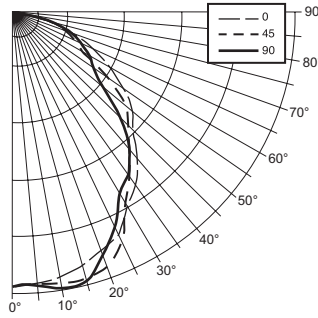
## 8-Lamp T8

### PHOTOMETRY

Catalog #: **GL-4-832-EBHW4/4**

#### TEST REPORT INFORMATION

- ▶ Test Report #: 14210.0
- ▶ Date: 07/01/08
- ▶ Ballast Factor: 1.2
- ▶ Lamp Type: F32T8/835/RS
- ▶ Lamp Quantity: 8



#### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	10723.	10723.	10723.	
5°	10633.	10690.	10754.	1020.9
15°	10270.	10801.	10913.	3030.9
25°	9605.	9941.	9306.	4504.0
35°	8252.	7842.	7758.	5072.2
45°	6524.	6299.	5869.	4892.7
55°	5221.	4429.	3776.	3920.1
65°	3413.	2657.	2899.	2948.7
75°	1660.	1715.	1902.	1790.0
85°	242.	540.	540.	523.4
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	1.16	1.16	1.16	1.14	1.14	1.14	1.09	1.09	1.09
	1	1.08	1.03	.99	1.05	1.01	.98	.97	.94	.91
	2	.99	.91	.85	.96	.90	.84	.86	.81	.77
	3	.91	.81	.74	.89	.80	.73	.77	.71	.66
	4	.84	.73	.65	.82	.72	.64	.69	.63	.57
	5	.77	.65	.56	.75	.64	.56	.62	.55	.49
	6	.71	.58	.50	.69	.57	.50	.56	.49	.43
	7	.65	.53	.44	.64	.52	.44	.50	.43	.38
	8	.60	.47	.39	.59	.47	.39	.45	.38	.33
	9	.56	.43	.35	.54	.42	.34	.41	.34	.29
	10	.52	.39	.31	.50	.38	.31	.37	.30	.26

Effective Floor Cavity Reflectance = .20

#### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	8556.	30.2	30.9
0 - 40	13628.	48.1	49.2
0 - 60	22441.	79.2	81.0
0 - 90	27703.	97.8	100.0
<b>Total Luminaire:</b>			
0 - 180	27703.	97.8	100.0

Total Luminaire Optical Efficiency: **97.8%<sup>1</sup>**  
 IES Spacing Criteria: End = 1.2  
 Diagonal = 1.2  
 Across = 1.2

<sup>1</sup> Tested with a 1.2 ballast factor

### FIXTURE DETAILS

#### BACK VIEW

