

# LOW-PROFILE T8 INDUSTRIAL

# GL

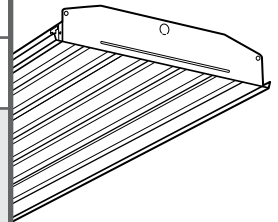
**SUBMITTAL:**

**4- or 6-Lamp T8**

**JOB:**

**TYPE:**

**VOLTAGE:**

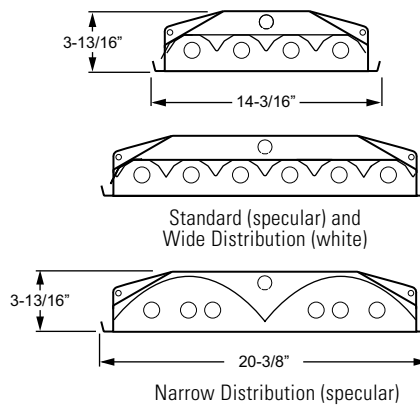


**EXAMPLE** → **GL - 4 - 6 32 - OPTIONS - EBHW3/3 - UNV**

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

## FEATURES

- ▶ Up to **97.4% optical efficiency**.
- ▶ Optional energy-saving occupancy sensors available, see Fluorescent Information section.
- ▶ Six-lamp unit consumes half the energy of 400-watt HID.
- ▶ Shallow 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 use of tools.
- ▶ 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** – 20-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

<b>SERIES</b>	GL Low-Profile T8 Industrial			
<b>NOMINAL LENGTH</b>	4	4'	8	8'
<b>TOTAL LAMPS</b>	4 or 6	4' length	8 or 12	8' length
<b>LAMP WATTAGE/TYPE</b>	32 4', 32-watt T8			
<b>OPTIONS/ACCESSORIES</b>	For generic <b>EM ballast</b> and <b>occupancy sensor</b> <sup>1</sup> options (must specify voltage), see Fluorescent Information section. See Fluorescent Information section for accessories. <b>ND</b> Narrow distribution (specular reflector, 4-lamp narrow distribution uses 6-lamp fixture housing) <b>WD</b> Wide distribution (white reflector) <b>UP5</b> Uplight apertures—5% uplight <b>VBY</b> (2) Y-hangers <b>VBY-2</b> (2) Y-hangers and (2) 2' chains <b>GC2/Y18/5</b> Cable suspension kit, 5' length (1 pair) <b>GC2/Y18/10</b> Cable suspension kit, 10' length (1 pair) <b>3SB</b> 3" spacer bracket (1 pair) <b>HUB MT 3/4"</b> Cast iron hub and junction box for single 3/4" pendant mount (shipped not attached, 4' unit only) <b>HUB/HOOK MT</b> Cast iron hub with mounting hook (shipped not attached, 4' unit only) <b>HOOK/CABLE</b> Hook and cable mounting kit, 10'			

<b>OPTIONS/ACCESSORIES (Continued)</b>	
<b>S7238/B</b>	72" cord, 3-conductor, No. 18 AWG, black
<b>6CPI/L5-15P/TWLK</b>	6' cord and NEMA twistlock 15 AMP plug, 120V
<b>6CPI/L7-15P/TWLK</b>	6' cord and NEMA twistlock 15 AMP plug, 277V
<b>PHSCHA118</b>	Piano hinge steel door frame, clear, high-temperature, non-prismatic acrylic, .118" thick
<b>SCHA118</b>	Steel door frame, clear, high-temperature, non-prismatic acrylic, .118" thick
<b>WG11</b>	11-gauge wireguard, white powder coated
<b>BALLAST TYPE</b>	
<b>EB4</b>	4-lamp electronic ballast
<b>EB3/3</b>	(2) 3-lamp electronic ballasts
<b>EBHW3/3</b>	(2) 3-lamp high-wattage electronic ballasts
<b>EB4/2</b>	(1) 4-lamp and (1) 2-lamp electronic ballast
<b>EB4/4</b>	(2) 4-lamp electronic ballasts
<b>EB4/4/4</b>	(3) 4-lamp electronic ballasts
<b>VOLTAGE</b>	Must specify voltage (not UNV) if using modular wiring, cord and plug, or occupancy sensor.
<b>120</b>	120V
<b>277</b>	277V
<b>UNV</b>	120-277V
<b>347</b>	347V

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

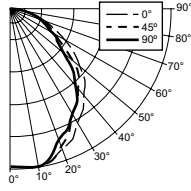
4- or 6-Lamp T8

PHOTOMETRY – STANDARD DISTRIBUTION

Catalog #: GL-4-632-EBHW3/3

TEST REPORT INFORMATION

- ▶ Test Report #: 12158.1
- ▶ Date: 12/29/03
- ▶ Ballast Factor: 1.2
- ▶ Lamp Type: F32T8/835/RS
- ▶ Lumens: 2950
- ▶ Lamp Quantity: 6



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	6390.	30.1	30.9
0 - 40	10208.	48.1	49.3
0 - 60	16930.	79.7	81.8
0 - 90	20691.	97.4	100.0
<b>Total Luminaire:</b>			
0 - 180	20691.	97.4	100.0

Total Luminaire Optical Efficiency: **97.4%**<sup>1</sup>  
IES Spacing Criteria: End = 1.3, Diagonal = 1.2, Across = 1.2

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	8113.	8113.	8113.	
5	8146.	8183.	8201.	781.3
15	8101.	8137.	7937.	2298.6
25	7455.	7074.	6874.	3310.0
35	6419.	5910.	5910.	3818.3
45	5382.	4928.	4473.	3763.3
55	3945.	3255.	2909.	2959.0
65	2509.	1927.	2182.	2138.6
75	1181.	1236.	1418.	1295.4
85	144.	345.	326.	326.3
90	0.	0.	0.	

ZONAL CAVITY COEFFICIENTS

Room Cavity Ratio	Ceiling	.80			.70			.50		
		Wall	.70	.50	.30	.70	.50	.30	.50	.30
0	0	1.16	1.16	1.16	1.13	1.13	1.13	1.08	1.08	1.08
1	1	1.07	1.03	.99	1.05	1.01	.97	.97	.94	.91
2	2	.99	.91	.85	.96	.90	.84	.86	.81	.77
3	3	.91	.91	.74	.88	.80	.73	.77	.71	.67
4	4	.84	.73	.65	.81	.72	.64	.69	.63	.58
5	5	.77	.65	.57	.75	.64	.56	.62	.55	.50
6	6	.71	.58	.50	.69	.57	.50	.56	.49	.44
7	7	.65	.53	.44	.64	.52	.44	.50	.43	.38
8	8	.60	.47	.39	.59	.47	.39	.45	.38	.33
9	9	.56	.43	.35	.54	.42	.34	.41	.34	.29
10	10	.52	.39	.31	.50	.38	.31	.37	.30	.26

Effective Floor Cavity Reflectance = .20

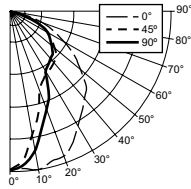
<sup>1</sup> Tested with a 1.2 ballast factor.

GL PHOTOMETRY – NARROW DISTRIBUTION

Catalog #: GL-4-632-ND-EB3/3

TEST REPORT INFORMATION

- ▶ Test Report #: 13472.0
- ▶ Date: 02/21/07
- ▶ Lamp Type: F32T8/835/RS
- ▶ Lumens: 2950
- ▶ Lamp Quantity: 6



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	5403.	30.5	31.7
0 - 40	8203.	46.3	48.2
0 - 60	13735.	77.6	80.7
0 - 90	17027.	96.2	100.0
<b>Total Luminaire:</b>			
0 - 180	17027.	96.2	100.0

Total Luminaire Optical Efficiency: **96.2%**  
IES Spacing Criteria: End = 1.2  
Diagonal = .08  
Across = 0.7

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	8942.	8942.	8942.	
5	8898.	8720.	8399.	829.7
15	8748.	6749.	5999.	2012.1
25	8198.	5113.	4321.	2561.4
35	6949.	3706.	3971.	2800.1
45	5999.	3371.	3663.	2904.3
55	4385.	2785.	2907.	2627.7
65	2813.	1964.	2028.	2029.2
75	1285.	1050.	921.	1096.0
85	171.	135.	128.	166.8
90	0.	0.	0.	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	5403.	30.5	31.7
0 - 40	8203.	46.3	48.2
0 - 60	13735.	77.6	80.7
0 - 90	17027.	96.2	100.0
<b>Total Luminaire:</b>			
0 - 180	17027.	96.2	100.0

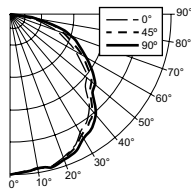
Total Luminaire Optical Efficiency: **96.2%**  
IES Spacing Criteria: End = 1.2  
Diagonal = .08  
Across = 0.7

GL PHOTOMETRY – WIDE DISTRIBUTION

Catalog #: GL-4-632-WD-EB3/3

TEST REPORT INFORMATION

- ▶ Test Report #: 14801.0
- ▶ Date: 08/03/09
- ▶ Lamp Type: F32T8/835/RS
- ▶ Lumens: 2950
- ▶ Lamp Quantity: 6



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	4248.	24.0	25.8
0 - 40	7028.	39.7	42.7
0 - 60	12502.	70.6	75.9
0 - 90	16475.	93.1	100.0
<b>Total Luminaire:</b>			
0 - 180	16475.	93.1	100.0

Total Luminaire Optical Efficiency: **93.1%**  
IES Spacing Criteria: End = 1.3  
Diagonal = 1.3  
Across = 1.3

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	5299.	5299.	5299.	
5	5270.	5254.	5254.	501.7
15	5186.	5203.	5235.	1475.9
25	4841.	4897.	4985.	2270.3
35	4295.	4415.	4592.	2780.5
45	3395.	3604.	3741.	2771.9
55	2809.	3034.	3187.	2701.6
65	1966.	2199.	2424.	2184.0
75	1083.	1437.	1565.	1445.6
85	176.	337.	337.	343.5
90	0.	0.	0.	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	4248.	24.0	25.8
0 - 40	7028.	39.7	42.7
0 - 60	12502.	70.6	75.9
0 - 90	16475.	93.1	100.0
<b>Total Luminaire:</b>			
0 - 180	16475.	93.1	100.0

Total Luminaire Optical Efficiency: **93.1%**  
IES Spacing Criteria: End = 1.3  
Diagonal = 1.3  
Across = 1.3

FIXTURE DETAILS

BACK VIEW

