

SUBMITTAL:

T8

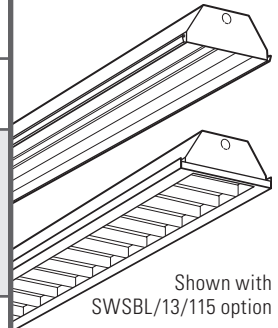
JOB:

TYPE:

VOLTAGE:

EXAMPLE → **GLN - 4 - 2 32 - OPTIONS - EB2 - UNV**

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

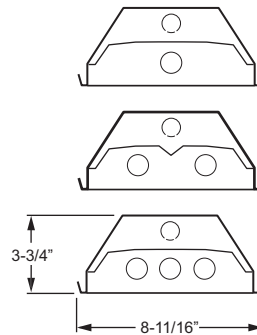


Shown with SWSBL/13/115 option



FEATURES

- ▶ Up to **97.9% 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.
- ▶ 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, 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	
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	
32	4', 32-watt T8
OPTIONS/ACCESSORIES	
For generic EM ballast and occupancy sensor ¹ options (must specify voltage), see Fluorescent Information section. See Fluorescent Information section for accessories.	
UP	Uplight apertures
WHITE REFL	White reflector
VBY	(2) Y-hangers
VBY-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)
SCHA118	Steel door frame, clear, high-temperature, non-prismatic acrylic, .118" thick
HOOK/CABLE	Hook and cable mounting kit, 10'

OPTIONS/ACCESSORIES (Continued)

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
EBHW2	2-lamp high-wattage electronic ballast
EB3	3-lamp electronic ballast
EBHW3	3-lamp high-wattage electronic ballast
EB4	4-lamp electronic ballast
EB2/2	(2) 2-lamp electronic ballasts
EB3/3	(2) 3-lamp electronic ballasts
EBHW3/3	(2) 3-lamp high-wattage 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
277	277V	HRV	347-480V

¹ Program start ballast recommended to avoid shortened lamp life.

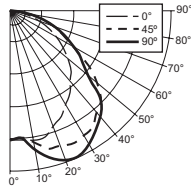
T8

PHOTOMETRY – 2 LAMPS

Catalog #: **GLN-4-232-EB2**

TEST REPORT INFORMATION

- ▶ Test Report #: 12697.0
- ▶ Date: 06/09/05
- ▶ Lamp Type: F32T8/835
- ▶ Lamp Quantity: 2



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	1469.	24.9	25.4
0 - 40	2509.	42.5	43.4
0 - 60	4610.	78.1	79.8
0 - 90	5775.	97.9	100.0
Total Luminaire:			
0 - 180	5775.	97.9	100.0

Total Luminaire Optical Efficiency: **97.9%**
IES Spacing Criteria: End = 1.2, Diagonal = 1.6, Across = 1.6

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	1608.	1608.	1608.	
5	1610.	1585.	1594.	152.0
15	1627.	1775.	1890.	497.6
25	1461.	1815.	1986.	819.3
35	1269.	1765.	1829.	1040.0
45	1054.	1583.	1581.	1144.0
55	771.	1164.	1067.	957.2
65	492.	735.	697.	701.1
75	226.	390.	399.	388.4
85	41.	67.	67.	75.8
90	0.	0.	0.	

ZONAL CAVITY COEFFICIENTS

Room Cavity Ratio	Ceiling			Wall			Floor		
	.80	.70	.50	.80	.70	.50	.30	.20	.10
0	1.17	1.17	1.17	1.14	1.14	1.14	1.09	1.09	1.09
1	1.07	1.03	.99	1.05	1.01	.97	.97	.94	.91
2	.98	.91	.84	.96	.89	.83	.85	.81	.76
3	.90	.80	.73	.88	.79	.72	.76	.70	.65
4	.82	.71	.63	.80	.70	.62	.67	.61	.55
5	.75	.63	.54	.73	.62	.53	.59	.52	.47
6	.69	.56	.47	.67	.55	.47	.53	.46	.40
7	.63	.50	.41	.61	.49	.41	.48	.40	.35
8	.58	.44	.36	.56	.44	.36	.42	.35	.30
9	.53	.40	.31	.52	.39	.31	.38	.31	.26
10	.49	.36	.28	.48	.35	.28	.34	.27	.22

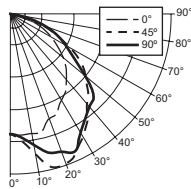
Effective Floor Cavity Reflectance = .20

PHOTOMETRY – 3 LAMPS

Catalog #: **GLN-4-332-EB3**

TEST REPORT INFORMATION

- ▶ Test Report #: 12689.0
- ▶ Date: 06/08/05
- ▶ Lamp Type: F32T8/835
- ▶ Lamp Quantity: 3



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	2224.	25.1	26.8
0 - 40	3715.	42.0	44.7
0 - 60	6685.	75.5	80.5
0 - 90	8306.	93.9	100.0
Total Luminaire:			
0 - 180	8306.	93.9	100.0

Total Luminaire Optical Efficiency: **93.9%**
IES Spacing Criteria: End = 1.3, Diagonal = 1.6, Across = 1.6

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	2267.	2267.	2267.	
5	2302.	2342.	2398.	223.6
15	2313.	2715.	2995.	760.5
25	2081.	2869.	2921.	1240.2
35	1819.	2527.	2457.	1490.9
45	1503.	2085.	2232.	1607.5
55	1108.	1672.	1491.	1362.7
65	736.	1013.	990.	980.0
75	364.	523.	493.	530.1
85	66.	103.	99.	110.6
90	0.	0.	0.	

ZONAL CAVITY COEFFICIENTS

Room Cavity Ratio	Ceiling			Wall			Floor		
	.80	.70	.50	.80	.70	.50	.30	.20	.10
0	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04
1	1.03	.99	.95	1.01	.97	.93	.93	.90	.88
2	.94	.87	.81	.92	.85	.80	.82	.78	.74
3	.87	.77	.70	.84	.76	.69	.73	.67	.63
4	.79	.69	.61	.77	.67	.60	.65	.59	.54
5	.72	.61	.52	.70	.60	.52	.58	.51	.45
6	.66	.54	.46	.65	.53	.45	.52	.45	.39
7	.61	.48	.40	.59	.48	.40	.46	.39	.34
8	.56	.43	.35	.55	.43	.35	.41	.34	.29
9	.51	.39	.31	.50	.38	.31	.37	.30	.25
10	.48	.35	.27	.46	.34	.27	.33	.27	.22

Effective Floor Cavity Reflectance = .20

FIXTURE DETAILS

BACK VIEW

