

PREMIUM TURRET V-STYLE INDUSTRIAL

85

SUBMITTAL:

T5 | T8

JOB:

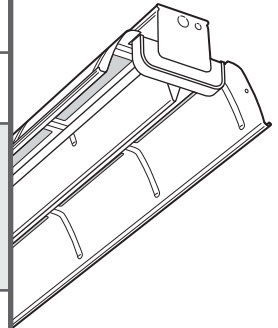
TYPE:

VOLTAGE:

EXAMPLE

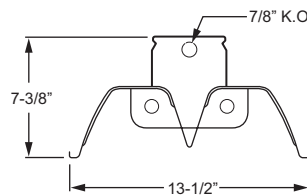
85 - 4 - 2 54T5H - OPTIONS - EB2 - UNV

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



FEATURES

- ▶ Up to **92.7% optical efficiency**.
- ▶ Heavy-duty ribbed reflector with 16% uplight component—illuminates the ceiling for increased efficiency.
- ▶ The V-style reflector provides added lamp protection and greater cutoff.
- ▶ Spring-loaded, turret style sockets enclosed in heavy-duty steel housing.
- ▶ Hinging/locking lamp bracket reduces installation time.
- ▶ Reflector secured to housing with captive bolts and nuts.
- ▶ Channel connector furnished for continuous row of 8' units.
- ▶ Ballast(s) secured by two captive bolts and nuts to ensure a tight, reliable fit for maximum heat dissipation.
- ▶ This fixture is proudly made in the USA.



SPECIFICATIONS

Housing – 20-gauge die-formed, ribbed C.R.S.
Reflector – 22-gauge die-formed, ribbed C.R.S. with center "V", 16% uplight component with 92% minimum average reflective white polyester powder coated finish.
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, program start T5, rated Class P.
Mounting – Surface or suspended.
Labels – UL/CUL listed as fluorescent luminaire suitable for dry or damp locations.

ORDERING INFORMATION

SERIES

85 Premium Turret V-Style Industrial

NOMINAL LENGTH

4 4'
8 8'

TOTAL LAMPS

2 or 4

LAMP WATTAGE/TYPE

28T5S 4', 28-watt T5 (2-lamp ballast only)
32 4', 32-watt T8
54T5H 4', 54-watt T5HO
59 8', 59-watt T8 (2-lamp ballast only)
86 8', 86-watt T8 (2-lamp ballast only)

BALLAST TYPE

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

VOLTAGE

120 120V
277 277V
UNV 120-277V
347 347V
480 480V (T5HO only)

OPTIONS/ACCESSORIES

For generic EM ballast options (must specify voltage), see Fluorescent Information section.

Wireguard accessory available, ordered separately, see Fluorescent Information section.

See back for mounting and accessory details.

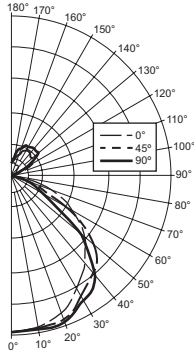
CT Closed top reflector
RA-82 Reflector row aligner (1 pair)
EP-82 Reflector end plate (1 pair)
MSA Myers sway adapter
T2 Tong hanger
325 1-1/2" ceiling spacer
GAT GAT fastener (T-bar clip)
VBY (2) Y-hangers
VBY-2 (2) Y-hangers and (2) 2' chains

PHOTOMETRY

Catalog #: 85-4-254T5H-EB2

TEST REPORT INFORMATION

- ▶ Test Report #: 15227.0
- ▶ Date: 02/08/10
- ▶ Lamp Type: FP54T5H0/835
- ▶ Lamp Quantity: 2



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	2679.	2679.	2679.	
5°	2657.	2660.	2661.	253.8
15°	2575.	2629.	2685.	744.9
25°	2405.	2542.	2581.	1162.9
35°	2100.	2279.	2421.	1430.5
45°	1779.	2082.	1854.	1503.7
55°	1456.	1525.	1020.	1264.3
65°	1005.	677.	495.	778.5
75°	515.	284.	237.	361.8
85°	105.	99.	80.	109.8
90°	17.	43.	30.	
95°	13.	52.	48.	51.1
105°	30.	101.	112.	115.8
115°	64.	296.	161.	209.3
125°	104.	460.	467.	352.2
135°	128.	445.	584.	328.0
145°	174.	512.	586.	284.3
155°	196.	476.	580.	200.4
165°	231.	367.	470.	100.6
175°	219.	233.	235.	21.9
180°	211.	211.	211.	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	2162.	21.6	23.3
0 - 40	3592.	35.9	38.7
0 - 60	6360.	63.6	68.6
0 - 90	7610.	76.1	82.1
90 - 120	376.	3.8	4.1
90 - 130	729.	7.3	7.9
90 - 150	1341.	13.4	14.5
90 - 180	1664.	16.6	17.9
Total Luminaire:			
0 - 180	9274.	92.7	100.0

Total Luminaire Optical Efficiency: **92.7%**
IES Spacing Criteria: End = 1.2, Diagonal = 1.3, Across = 1.4

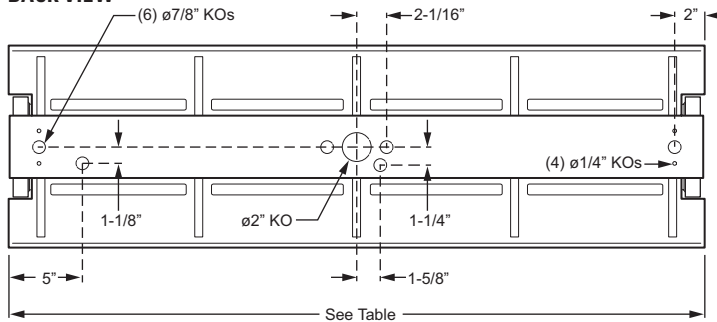
ZONAL CAVITY COEFFICIENTS

	Ceiling			Wall			Floor			
	.80	.70	.50	.80	.70	.50	.30	.50	.10	
Room Cavity Ratio	0	1.06	1.06	1.06	1.02	1.02	1.02	.94	.94	.94
	1	.98	.94	.91	.94	.91	.88	.84	.81	.79
	2	.90	.83	.78	.86	.80	.75	.75	.70	.67
	3	.83	.74	.67	.79	.72	.65	.67	.61	.57
	4	.76	.66	.59	.73	.64	.57	.59	.54	.49
	5	.70	.59	.51	.67	.57	.49	.53	.47	.42
	6	.64	.52	.45	.61	.51	.43	.47	.41	.37
	7	.59	.47	.39	.56	.45	.38	.43	.36	.32
	8	.54	.42	.35	.52	.41	.34	.38	.32	.28
	9	.50	.38	.30	.48	.37	.30	.34	.28	.24
	10	.46	.34	.27	.44	.33	.26	.31	.25	.21

Effective Floor Cavity Reflectance = .20

FIXTURE DETAILS

BACK VIEW



Nominal Size	Unit Length
4' T5	48"
4' T8	49-7/8"
8' T5	96"
8' T8	99-7/8"

Note: 8' fixture uses (2) 4' reflectors

MOUNTING OPTIONS

MSA	325	GAT	T-2	VBV or VBV-2

ACCESSORIES

EP-82	RA-82