

SUBMITTAL:

T5

JOB:

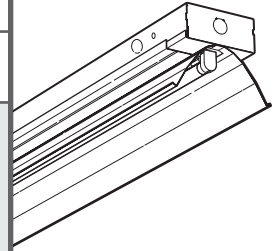
TYPE:

VOLTAGE:

EXAMPLE

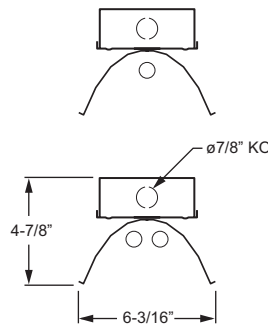
88 - 4 - 1 54T5H - FD - OPTIONS - EB1 - UNV

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



FEATURES

- ▶ Up to **93.6% optical efficiency**.
- ▶ Reflector options provide choice of focused or narrow light beam distributions.
- ▶ T5HO lamps maintain 95% of their original output and provide good color rendition.
- ▶ Mounting options include stem, chain, or surface.
- ▶ Factory-mounted, prewired sockets and hinging/locking lamp brackets reduce installation time.
- ▶ End knockouts provide occupancy sensor placement.
- ▶ This fixture is proudly made in the USA.



DISTRIBUTION DATA

Cross-Section	Distribution	Spacing Criteria		
		End	Diagonal	Across
1-lamp T5	Focus (FD)	1.2	0.6	0.4
2-lamp T5	Narrow (ND)	1.2	0.9	0.8

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, program start T5, rated Class P.
Mounting – Stem, chain, or surface.
Labels – UL/CUL listed as fluorescent luminaire suitable for dry or damp locations.

ORDERING INFORMATION

SERIES

88 Narrow Aisle Lighter

NOMINAL LENGTH

4 4'
8 8'

TOTAL LAMPS

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

LAMP WATTAGE/TYPE

54T5H 4', 54-watt T5HO

DISTRIBUTION (Must specify)

FD Focus distribution (1-lamp cross-section only)
ND Narrow distribution (2-lamp cross-section only)

OPTIONS/ACCESSORIES

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

See back for mounting and accessory details.

- OCC SEN** Occupancy sensor (must specify voltage)
- SS-12** Single stem and canopy, 12"
- DS-12** Double stem and canopy, 12"
- SWS-12** Swivel stem and canopy, 12"
- 320** 1-1/2" ceiling spacer
- GAT** GAT fastener (T-bar clip)
- VBY** (2) Y-hangers
- VBY-2** (2) Y-hangers and (2) 2' chains

BALLAST TYPE

EB1 1-lamp electronic ballast
EB2 2-lamp electronic ballast
EB4 4-lamp electronic ballast
EB2/2 (2) 2-lamp electronic ballasts

VOLTAGE

120 120V
208 208V
240 240V
277 277V
UNV 120-277V
347 347V
480 480V
HRV 347-480V

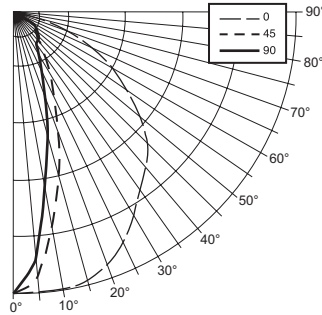
T5

PHOTOMETRY

Catalog #: 88-4-154T5H-FD-EB1

TEST REPORT INFORMATION

- ▶ Test Report #: 11970.3
- ▶ Date: 06/20/03
- ▶ Lamp Type: FP54T5H0/835
- ▶ Lamp Quantity: 1



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	4671.	4671.	4671.	
5°	4653.	4414.	4085.	419.4
15°	4600.	2816.	2065.	873.4
25°	4204.	1521.	996.	916.8
35°	3590.	833.	614.	818.1
45°	3075.	488.	548.	724.2
55°	2235.	418.	235.	549.5
65°	1418.	116.	3.	265.9
75°	591.	3.	0.	101.7
85°	46.	0.	0.	8.7
90°	0.	0.	0.	

ZONAL CAVITY COEFFICIENTS

	Ceiling			Wall			Floor		
	.80	.70	.50	.70	.50	.30	.50	.30	.10
0	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04
1	1.05	1.02	.99	1.03	1.00	.97	.96	.94	.92
2	.98	.93	.88	.96	.91	.87	.88	.84	.81
3	.92	.85	.79	.90	.83	.78	.81	.76	.73
4	.86	.77	.71	.84	.76	.70	.74	.69	.65
5	.80	.70	.64	.78	.69	.63	.68	.62	.58
6	.75	.65	.58	.73	.64	.58	.62	.57	.53
7	.70	.60	.53	.69	.59	.52	.58	.52	.48
8	.65	.55	.48	.64	.54	.48	.53	.47	.43
9	.61	.50	.44	.59	.50	.43	.49	.43	.39
10	.57	.46	.40	.54	.46	.40	.45	.39	.35

Effective Floor Cavity Reflectance = .20

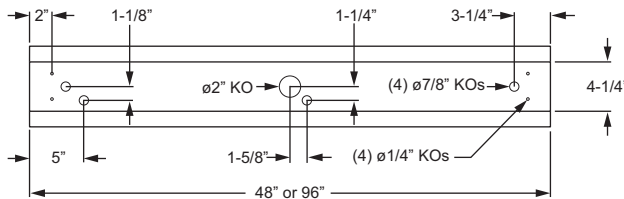
LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	2210.	44.2	47.2
0 - 40	3028.	60.6	64.7
0 - 60	4301.	86.0	92.0
0 - 90	4678.	93.6	100.0
Total Luminaire:			
0 - 180	4678.	93.6	100.0

Total Luminaire Optical Efficiency: **93.6%**
 IES Spacing Criteria: End = 1.2
 Diagonal = 0.6
 Across = 0.4

FIXTURE DETAILS

BACK VIEW



MOUNTING OPTIONS

SS-12	DS-12	SWS-12	320	GAT	VBY or VBY-2