

AREA LIGHT

AL

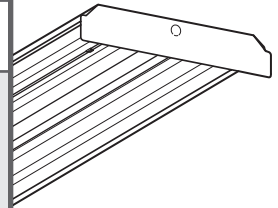
SUBMITTAL:

T5

JOB:

TYPE:

VOLTAGE:



EXAMPLE

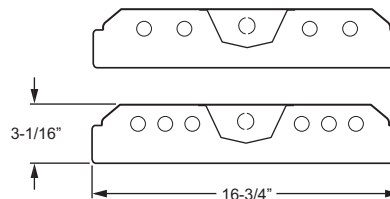
AL - 4 - 4 54T5H - OPTIONS - EB4 - UNV

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



FEATURES

- ▶ Up to **97.3% optical efficiency**.
- ▶ Shallow fixture depth provides sleek, low-profile appearance.
- ▶ Optional energy-saving occupancy sensors available, see Fluorescent Information section.
- ▶ Unlike HID, T5HO lamps maintain 95% of their original output and provide much better color rendition.
- ▶ Wireway is accessible without the use of tools.
- ▶ Quick-wire access plate in back of fixture housing for easy attachment of incoming power supply.
- ▶ 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 C.R.S.
Reflective Surfaces – 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, program start T5, 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

AL Area Light

NOMINAL LENGTH

4 4'

TOTAL LAMPS

4 or 6

LAMP WATTAGE/TYPE

28T5S 4', 28-watt T5
54T5H 4', 54-watt T5HO

OPTIONS/ACCESSORIES

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

UP Uplight
VBY (2) Y-hangers
VBY-2 (2) Y-hangers and (2) 2' chains
HUB MT 3/4" Cast iron hub and junction box for single 3/4" pendant mount (shipped not attached)
HOOK/CABLE Hook and cable mounting kit, 10'
WG11 11-gauge wireguard, white powder coated

BALLAST TYPE

EB4 4-lamp electronic ballast
EB2/2 (2) 2-lamp electronic ballasts
EB3/3 (2) 3-lamp electronic ballasts
EB4/2 (1) 4-lamp and (1) 2-lamp electronic ballast

VOLTAGE

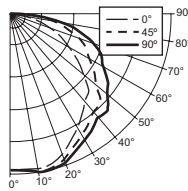
Must specify voltage (not UNV or HRV) if using modular cord and plug, or occupancy sensor.
120 120V
277 277V
UNV 120-277V
347 347V
480 480V (T5HO only)
HRV 347-480V (T5HO only)

AL PHOTOMETRY – 4 LAMPS

Catalog #: **AL-4-454T5H**

TEST REPORT INFORMATION

- ▶ Test Report #: 13258.0
- ▶ Date: 09/22/06
- ▶ Lamp Type: FP54T5H0/835
- ▶ Lamp Quantity: 4



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	4466	22.3	23.0
0 - 40	7406	37.0	38.1
0 - 60	13966	69.8	71.8
0 - 90	19389	96.9	99.7
90 - 120	62	.3	.3
90 - 130	62	.3	.3
90 - 150	62	.3	.3
90 - 180	62	.3	.3

Total Luminaire:			
0 - 180	19451	97.3	100.0

Total Luminaire Optical Efficiency: **97.3%**
IES Spacing Criteria: End = 1.3, Diagonal = 1.3, Across = 1.4

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	5453	5453	5453	
5	5444	5473	5493	522.2
15	5420	5548	5605	1568.3
25	4905	5139	5302	2375.1
35	4332	4711	4943	2940.4
45	3835	4419	4781	3384.3
55	2834	3537	4131	3176.1
65	1900	2892	3476	2767.6
75	908	2001	2470	1967.9
85	129	734	836	687.5
90	28	243	385	

ZONAL CAVITY COEFFICIENTS

Room Cavity Ratio	Ceiling			Wall			Floor		
	.80	.70	.50	.80	.70	.50	.30	.20	.10
0	1.16	1.16	1.16	1.13	1.13	1.13	1.08	1.08	1.08
1	1.05	1.00	.96	1.02	.98	.94	.94	.90	.87
2	.95	.87	.80	.93	.85	.78	.81	.76	.71
3	.87	.76	.68	.84	.75	.67	.72	.65	.60
4	.79	.67	.58	.77	.66	.57	.63	.56	.50
5	.72	.59	.50	.70	.58	.49	.56	.48	.42
6	.66	.52	.43	.64	.51	.43	.50	.42	.36
7	.61	.47	.38	.59	.46	.38	.44	.37	.31
8	.56	.42	.33	.54	.41	.33	.40	.32	.27
9	.51	.37	.29	.50	.37	.29	.36	.28	.23
10	.48	.34	.26	.46	.33	.26	.32	.25	.20

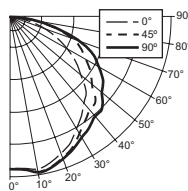
Effective Floor Cavity Reflectance = .20

AL PHOTOMETRY – 6 LAMPS

Catalog #: **AL-4-654T5H**

TEST REPORT INFORMATION

- ▶ Test Report #: 13259.0
- ▶ Date: 09/22/06
- ▶ Lamp Type: FP54T5H0/835
- ▶ Lamp Quantity: 6



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	6958	23.2	24.0
0 - 40	11487	38.3	39.6
0 - 60	21445	71.5	73.9
0 - 90	28979	96.6	99.8
90 - 120	55	.2	.2
90 - 130	55	.2	.2
90 - 150	55	.2	.2
90 - 180	55	.2	.2

Total Luminaire:			
0 - 180	29035	96.8	100.0

Total Luminaire Optical Efficiency: **96.8%**
IES Spacing Criteria: End = 1.3, Diagonal = 1.3, Across = 1.4

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	8474	8474	8474	
5	8466	8499	8530	811.2
15	8401	8614	8672	2432.2
25	7776	8060	8150	3714.2
35	6796	7163	7570	4529.2
45	5919	6647	7202	5112.4
55	4449	5422	6280	4846.0
65	2959	4326	5094	4151.0
75	1456	2753	2901	2625.7
85	200	786	909	757.7
90	44	258	387	

ZONAL CAVITY COEFFICIENTS

Room Cavity Ratio	Ceiling			Wall			Floor		
	.80	.70	.50	.80	.70	.50	.30	.20	.10
0	1.15	1.15	1.15	1.12	1.12	1.12	1.07	1.07	1.07
1	1.05	1.00	.96	1.03	.98	.94	.94	.91	.88
2	.96	.87	.81	.93	.86	.79	.82	.77	.72
3	.87	.77	.69	.85	.75	.68	.72	.66	.61
4	.80	.68	.59	.77	.66	.58	.64	.57	.51
5	.72	.59	.50	.70	.58	.50	.56	.49	.43
6	.66	.53	.44	.64	.52	.44	.50	.43	.37
7	.61	.47	.39	.59	.47	.38	.45	.37	.32
8	.56	.42	.34	.54	.42	.33	.40	.33	.28
9	.51	.38	.30	.50	.37	.29	.36	.29	.24
10	.48	.34	.26	.46	.34	.26	.33	.26	.21

Effective Floor Cavity Reflectance = .20

FIXTURE DETAILS

BACK VIEW

