

# AREA LIGHT

# AL

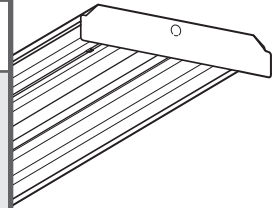
**SUBMITTAL:**

**T5**

**JOB:**

**TYPE:**

**VOLTAGE:**



EXAMPLE

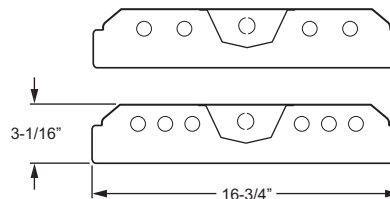
**AL - 4 - 4 54T5H - OPTIONS - EB4 - UNV**

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.
- ▶ 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 options (must specify voltage), see Fluorescent Information section.

**OCC SEN** Occupancy sensor (must specify voltage)

**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.

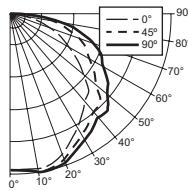
**120** 120V  
**277** 277V  
**UNV** 120-277V  
**347** 347V  
**480** 480V (T5HO only)  
**HRV** 347-480V (T5HO only)

### 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	.80	.70	.50
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

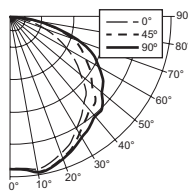
Effective Floor Cavity Reflectance = .20

### 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	.80	.70	.50
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

