

ARCHITECTURAL SURFACE MOUNT

ASM

SUBMITTAL:

T5 | T8

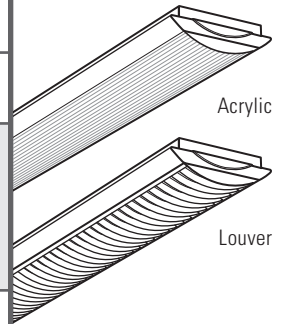
JOB:

TYPE:

VOLTAGE:

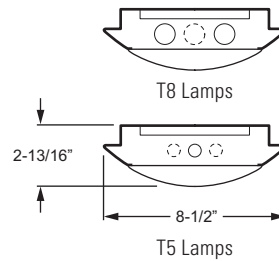
EXAMPLE → **ASM S - 4 - 1 54T5H - A - OPTIONS - EB1 - UNV**

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



FEATURES

- ▶ Fixture can be surface mounted or semi-recessed¹ for ultra-low-profile look.
- ▶ Aircraft cable or pendant mount fixture for additional mounting choices.
- ▶ Listed as suitable for wet location under covered ceiling when specified with acrylic lens (surface mount only).
- ▶ Optional radial straight blade louver offers design flexibility.
- ▶ Lamps are shielded from direct view by white matte overlay on louver option.
- ▶ Decorative die-cast aluminum end caps provide high-end appearance.
- ▶ This fixture is proudly made in the USA.



SPECIFICATIONS

Housing – .040" die-formed aluminum with die-cast decorative end caps.

Shielding – Ribbed acrylic diffuser.

Finish – Textured matte white polyester TGIC 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 – Semi-recessed in NEMA Type "G" ceiling, surface, or suspended.

Labels – UL/CUL listed as fluorescent luminaire suitable for dry or damp locations. UL/CUL listed as wet location under covered ceiling when specified with WET/CC option (requires acrylic lens, surface mount only).

ORDERING INFORMATION

SERIES

ASM Architectural Surface Mount

MOUNTING TYPE (See back for details)

S Surface or suspended
R^{1,3} Semi-recessed^{1,3} (2' or 4', T5S or T5H only)

NOMINAL LENGTH

2 2'
4 4'
8 8'

TOTAL LAMPS

T5 LAMPS
1, 2, or 4 (1- or 2-lamp cross-section)

T8 LAMPS
1, 2, 3, 4, or 6^{1,2} (1-, 2-, or 3-lamp cross-section)^{1,2}

LAMP WATTAGE/TYPE

14T5S 2', 14-watt T5
24T5H 2', 24-watt T5HO
28T5S 4', 28-watt T5
32^{1,2} 4', 32-watt T8^{1,2}
54T5H 4', 54-watt T5HO

SHIELDING

123W White cross-blade louver, 1" deep, 1 x 23-cell, with matte white acrylic overlay (2' T5 only)
147W White cross-blade louver, 1" deep, 1 x 47-cell, with matte white acrylic overlay (4' T5 only)
149W White cross-blade louver, 1" deep, 1 x 49-cell, with matte white acrylic overlay (4' T8 only)
A Acrylic lens (not available for 2')

OPTIONS/ACCESSORIES

Not available with generic EM ballast options.
RA-ASM³ Row aligner (see back for details)³
WET/CC Wet location under covered ceiling (acrylic lens, surface mount only)

BALLAST TYPE

Ballast size restricted to maximum ballast cross-section of 1-1/4"H x 1-3/16"W.
EB1 1-lamp electronic ballast
EB2 2-lamp electronic ballast
EB3⁴ 3-lamp electronic ballast⁴
EB2/2 (2) 2-lamp electronic ballasts
EB3/3⁴ (2) 3-lamp electronic ballasts⁴

VOLTAGE

120 120V
277 277V
UNV 120-277V
347 347V

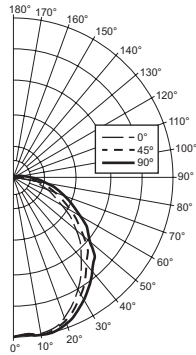
¹ T8 is not available in semi-recessed.
² All T8 fixtures restricted to one- and two-lamp micro-can ballasts.
³ Semi-recessed (ASMR) units not available with row aligner (RA-ASM).
⁴ Only available in T5S and T5H lamp types.

PHOTOMETRY

Catalog #: **ASMS-4-154T5H-EB1**

TEST REPORT INFORMATION

- ▶ Test Report #: 11164.0
- ▶ Date: 08/17/01
- ▶ Lamp Type: F54T5HO/835
- ▶ Lamp Quantity: 1



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	1231.	1231.	1231.	
5°	1222.	1224.	1225.	116.8
15°	1208.	1221.	1236.	346.1
25°	1079.	1113.	1147.	514.8
35°	908.	962.	1017.	604.6
45°	730.	808.	882.	624.4
55°	523.	601.	679.	539.0
65°	337.	411.	482.	407.1
75°	175.	243.	313.	257.3
85°	51.	120.	179.	127.9
90°	9.	77.	128.	
95°	0.	46.	90.	50.5
105°	0.	16.	39.	17.9
115°	0.	0.	19.	6.3
125°	0.	0.	15.	1.7
135°	0.	0.	0.	0.0
145°	0.	0.	0.	0.0
155°	0.	0.	0.	0.0
165°	0.	0.	0.	0.0
175°	0.	0.	0.	0.0
180°	0.	0.	0.	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	978.	19.6	27.1
0 - 40	1582.	31.6	43.8
0 - 60	2746.	54.9	76.0
0 - 90	3538.	70.8	97.9
90 - 120	75.	1.5	2.1
90 - 130	76.	1.5	2.1
90 - 150	76.	1.5	2.1
90 - 180	76.	1.5	2.1
Total Luminaire:			
0 - 180	3614.	72.3	100.0

Total Luminaire Optical Efficiency: **72.3%**

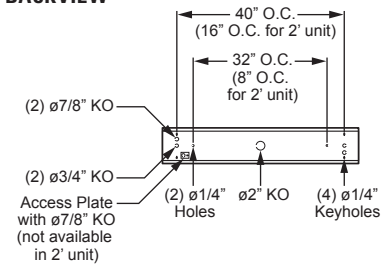
ZONAL CAVITY COEFFICIENTS

Room Cavity Ratio	Ceiling			Wall			Floor			
	.80	.70	.50	.30	.70	.50	.30	.50	.30	.10
0	.86	.86	.86	.84	.84	.84	.79	.79	.79	
1	.78	.75	.72	.76	.73	.70	.70	.68	.65	
2	.72	.66	.61	.70	.64	.60	.62	.58	.55	
3	.66	.58	.53	.64	.57	.52	.55	.50	.47	
4	.60	.52	.46	.59	.51	.45	.49	.44	.40	
5	.55	.46	.40	.54	.45	.39	.43	.38	.34	
6	.51	.41	.35	.49	.40	.34	.39	.34	.30	
7	.47	.37	.31	.45	.36	.30	.35	.30	.26	
8	.43	.33	.27	.42	.33	.27	.32	.26	.22	
9	.40	.30	.24	.39	.29	.24	.28	.23	.19	
10	.37	.27	.21	.36	.27	.21	.26	.21	.17	

Effective Floor Cavity Reflectance = .20

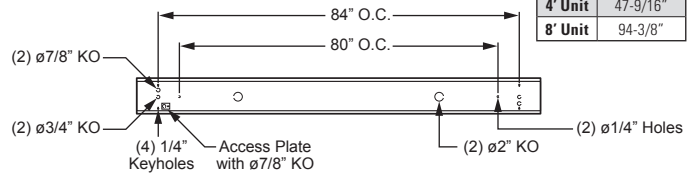
FIXTURE DETAILS

BACKVIEW

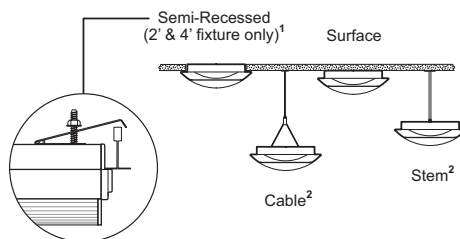


OVERALL LENGTH

2' Unit	23-9/16"
4' Unit	47-9/16"
8' Unit	94-3/8"



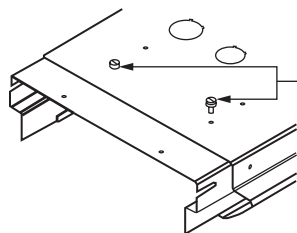
MOUNTING TYPES



¹ Semi-recessed model is suitable for installation in NEMA Type "G" ceiling system of 1" wide (nominal) tees mounted across ends of fixture 24" O.C. or 48" O.C., using factory furnished mounting brackets. Fixtures may be mounted in continuous row. Ceiling tiles are supported along sides by fixture housing. Fixture protrudes 2" below ceiling plane.

² ASM Cable Kit or ASM Pendant Kit required for either type of mounting. Ships separately. Consult factory for exact ordering information. Depending on installation method, cable mounting may require additional counterweights due to side-mounted ballast.

ROW ALIGNER (Not available with ASMR T5 units.)



1. Remove die cast end plates from the ends of the fixtures to be joined together.
2. Slide row aligner inside fixture housing and install (2) #8 screws through back of fixture to secure row aligner. Ensure the fixture housings butt together to prevent light leaks.