

ARCHITECTURAL SLIMLINE SURFACE MOUNT

LLMS

SUBMITTAL:

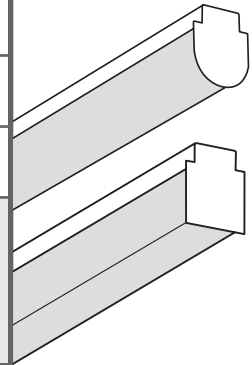
JOB:

TYPE:

VOLTAGE:

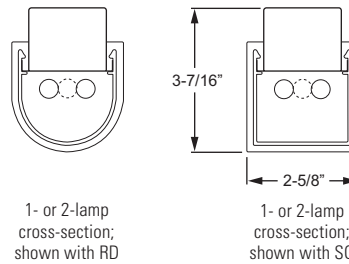
EXAMPLE → **LLMS - 4 - 1 32 - S - RD - OPTIONS - EB1 - UNV**

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



FEATURES

- ▶ Slim, low-profile surface-mount fixture provides an architectural alternative to standard wrap-around fixtures.
- ▶ Round or square profile provides design choices for a variety of applications.
- ▶ Quality, frosted, extruded acrylic lens snaps securely in place to provide gentle diffused illumination.
- ▶ Slim end plates are designed to conform to lens shape and prevent unsightly light leaks.
- ▶ Internal, self-aligning joining method ensures straight rows.
- ▶ This fixture is proudly made in the USA.



2-lamp cross-section available in T5S only.

SPECIFICATIONS

Housing – 20-gauge die-formed C.R.S.
Shielding – Frosted, matte acrylic, round or square profile.
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 – Surface mount.
Labels – UL/CUL listed as fluorescent luminaire suitable for dry or damp locations.

ORDERING INFORMATION

SERIES

LLMS Architectural Slimline Surface Mount

NOMINAL LENGTH

T5 and T8 fixture lengths vary, see back for details.

2	2'
3	3'
4	4'
8	8'

TOTAL LAMPS

1- or 2-lamp cross-section; 2-lamp cross-section in T5S only

1	1-lamp cross-section
2	1- or 2-lamp cross-section (2-lamp cross-section available in T5S only)
4	2-lamp cross-section (available in 8', T5S only)

LAMP WATTAGE/TYPE

2-lamp cross-section in T5S only.

2' FIXTURE LAMP OPTIONS

14T5S	2', 14-watt T5
17	2', 17-watt T8
24T5H	2', 24-watt T5HO

3' FIXTURE LAMP OPTIONS

21T5S	3', 21-watt T5
25	3', 25-watt T8
39T5H	3', 39-watt T5HO

4' & 8' FIXTURE LAMP OPTIONS

28T5S	4', 28-watt T5 (1- or 2-lamp ballast[s] only)
32	4', 32-watt T8
54T5H	4', 54-watt T5HO

FIXTURE TYPE

F	Electrical feeder unit, quick-connect wiring harness, one end plate installed
J	Joiner unit, quick-connect wiring harness, no end plates
E	End unit, quick-connect wiring harness, one end plate installed
S	Stand-alone unit, two end plates installed

SHIELDING

RD	Round frosted acrylic
SQ	Square frosted acrylic

OPTIONS

For generic **EM ballast** options, 8' units only, see Information section. **Ballast size restricted** to maximum ballast cross-section of 1-1/2"W x 1-1/4"H. Must specify voltage.¹

C2_	Two-circuit quick-connect wiring harness (see Information section for complete quick-connect offering)
PS/120	Pull switch, single circuit (120V only)
PS2/120	Two-circuit, 4-position pull switch (120V only; requires two ballasts per fixture)
WRS/120	White rocker switch (120V only)
EM/ISL54	Emergency ballast, 4' units only, must specify voltage

BALLAST TYPE

For **dimming ballast** options, see Information section.

EB1	1-lamp electronic ballast
EB2	2-lamp electronic ballast
EB2/2	(2) 2-lamp electronic ballasts (T5S only)

VOLTAGE

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

¹ EM ballast(s) not available on 2' and 3' units.

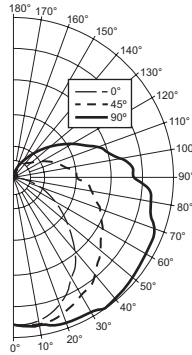


PHOTOMETRY INFORMATION

Catalog #: **LLMS-4-132-S-RD**

TEST REPORT INFORMATION

- ▶ Test Report #: 16671.0
- ▶ Date: 05/01/12
- ▶ Lamp Type: F32T8/835
- ▶ Lamp Quantity: 1



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	460.	460.	460.	
5°	463.	464.	468.	44.4
15°	439.	458.	477.	129.7
25°	393.	438.	483.	202.3
35°	331.	415.	496.	260.5
45°	247.	369.	489.	286.2
55°	178.	331.	481.	296.2
65°	116.	299.	476.	296.3
75°	58.	260.	442.	271.1
85°	16.	228.	425.	247.3
90°	0.	196.	373.	
95°	0.	193.	373.	208.5
105°	0.	151.	303.	160.9
115°	1.	119.	239.	119.1
125°	7.	91.	178.	82.9
135°	7.	65.	125.	50.5
145°	9.	54.	93.	32.8
155°	11.	33.	52.	14.9
165°	13.	28.	33.	7.2
175°	13.	14.	16.	1.4
185°	13.	13.	13.	

ZONAL CAVITY COEFFICIENTS

Room Cavity Ratio	Ceiling			.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10		
0		1.04	1.04	1.04	.99	.99	.99	.89	.89	.89		
1		.92	.86	.81	.87	.82	.78	.74	.70	.67		
2		.82	.74	.66	.78	.70	.63	.63	.57	.53		
3		.75	.64	.56	.70	.61	.53	.55	.49	.43		
4		.68	.56	.48	.64	.53	.45	.48	.42	.36		
5		.62	.49	.40	.58	.47	.39	.42	.35	.30		
6		.57	.44	.35	.53	.42	.34	.38	.31	.26		
7		.52	.39	.31	.49	.37	.30	.34	.27	.22		
8		.48	.35	.27	.45	.34	.26	.30	.24	.19		
9		.44	.32	.24	.42	.30	.23	.27	.21	.17		
10		.41	.29	.21	.39	.28	.21	.25	.19	.15		

Effective Floor Cavity Reflectance = .20

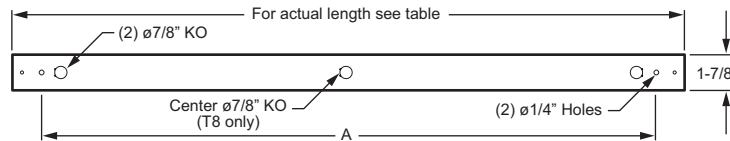
LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	376.	12.8	13.9
0 - 40	637.	21.6	23.5
0 - 60	1219.	41.3	45.0
0 - 90	2034.	68.9	75.0
90 - 120	489.	16.6	18.0
90 - 130	571.	19.4	21.1
90 - 150	655.	22.2	24.1
90 - 180	678.	23.0	25.0
Total Luminaire:			
0 - 180	2712.	91.9	100.0

Total Luminaire Optical Efficiency: **91.9%**
IES Spacing Criteria: End = 1.2, Diagonal = 1.4, Across = 1.6

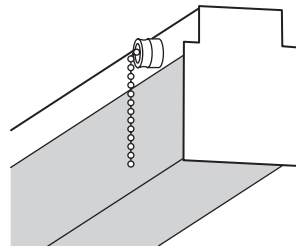
FIXTURE DETAILS

BACK VIEW



NOMINAL LENGTH	(T5) ACTUAL LENGTH	(T5) A	(T8) ACTUAL LENGTH	(T8) A
2'	22-3/4"	21-3/4"	24-1/4"	23-1/4"
3'	34-1/2"	33-1/2"	36-3/16"	35-3/16"
4'	46-3/8"	45-3/8"	48-3/16"	47-3/16"
8'	92-3/4"	91-3/4"	96-3/8"	95-3/8"

PS/120 or PS2/120 (Pull switch, single or two-circuit)



WRS (White rocker switch)

