

# ARCHITECTURAL SLIMLINE SURFACE MOUNT

# LLMS

**SUBMITTAL:**

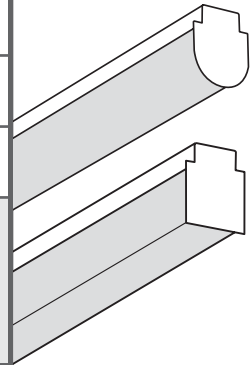
**JOB:**

**TYPE:**

**VOLTAGE:**

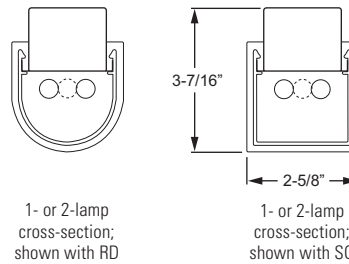
**EXAMPLE** → **LLMS - 4 - 1 32 - S - RD - OPTIONS - EB1 - UNV**

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.<sup>1</sup>

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

<sup>1</sup> EM ballast(s) not available on 2' and 3' units.

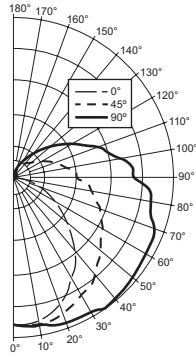


## PHOTOMETRY INFORMATION

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

### TEST REPORT INFORMATION

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



### 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
<b>Total Luminaire:</b>			
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

### 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.	

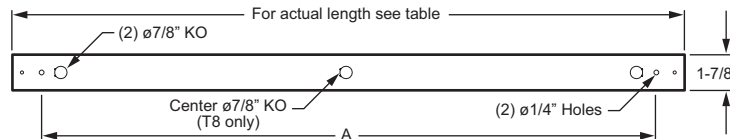
### ZONAL CAVITY COEFFICIENTS

	Ceiling			.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10		
Room Cavity Ratio	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

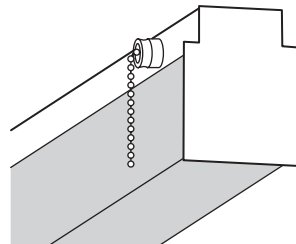
## FIXTURE DETAILS

### 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)

