

# 4" EXTRUDED RECTANGULAR – UPLIGHT

# LX4U

**SUBMITTAL:**

**T8**

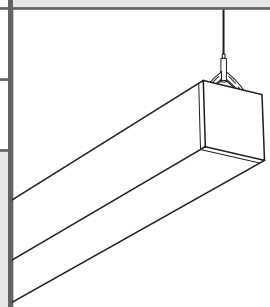
**JOB:**

**TYPE:**

**VOLTAGE:**

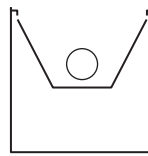
**EXAMPLE** → **LX4U - 4 - 2SST8 - OPTIONS - EB - UNV**

SERIES      NOMINAL LENGTH      LAMP TYPE/CROSS-SECTION      OPTIONS      BALLAST TYPE      VOLTAGE

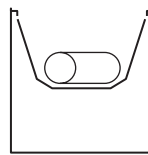


## FEATURES

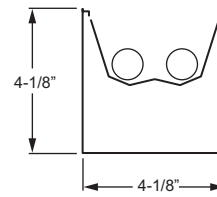
- ▶ Sleek, linear design incorporates clean lines, slim styling, and a continuous line of light.
- ▶ Available in row-mount up to 50' or as seamless stand-alone fixtures up to 12' in length.
- ▶ Attractive source of indirect lighting for use in offices, hallways, conference rooms or common areas.
- ▶ Aesthetically designed moveable mounting bracket easily slides along the length of the fixture providing variable mounting points.
- ▶ Linear extrusion contains snap-in light modules for ease of installation and maintenance.
- ▶ Fixtures are designed to even increments to simplify lighting layouts.
- ▶ Optional acrylic dust cover discourages infiltration of foreign objects.
- ▶ Lamps configured to minimize dark spots.
- ▶ Standard 24" aircraft cable mounting hardware provided.
- ▶ This fixture is proudly made in the USA.



1NST8



1SST8



2NST8 or 2SST8

## SPECIFICATIONS

**Housing** – Extruded aluminum with die-cast end caps.

**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, rated Class P. Light modules for row mounting equipped with quick-connect wiring harness standard.

**Mounting** – Suspended. 1/16" diameter adjustable steel leveling aircraft cable and mounting hardware necessary for grid ceiling applications provided.

**Labels** – UL/CUL listed as fluorescent luminaire suitable for dry or damp locations.

## ORDERING INFORMATION

### SERIES

**LX4U** 4" Rectangular Extruded – Uplight

### NOMINAL LENGTH

**Stand-alone** – 2'-12' lengths specified in 1' increments; fixture ships assembled. Example: **2** = 2'.

**Row-mount** – Row mounted fixtures ship unassembled. Specify length in 1' increments from 13'-50'. Example: **36** = 36'.

Contact apps@hew.com for layout assistance.

### LAMP TYPE/CROSS-SECTION

For lamp configuration diagrams see page 11B-11F.

- 1NST8** 1-lamp, non-staggered T8
- 1SST8<sup>1</sup>** 1-lamp, staggered T8<sup>1</sup>
- 2NST8** 2-lamp, non-staggered T8
- 2SST8<sup>1</sup>** 2-lamp, staggered T8<sup>1</sup>

### OPTIONS

For generic EM ballast options (must specify voltage), see [Technical Info](#). Ballast size restrictions apply. Consult factory.

**DUSTCOVER** Frosted acrylic dust cover

### ACCESSORIES

- ACFY/48** 48" adjustable aircraft cable
- ACFY/96** 96" adjustable aircraft cable

### BALLAST TYPE

For dimming options see [Technical Info](#). Ballast size restrictions apply. Consult factory.

**EB** Electronic ballast

### VOLTAGE

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

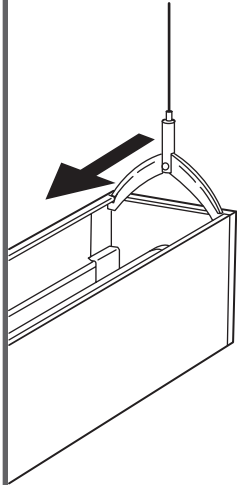
<sup>1</sup> Staggered lamps not available in 2'-12' units.



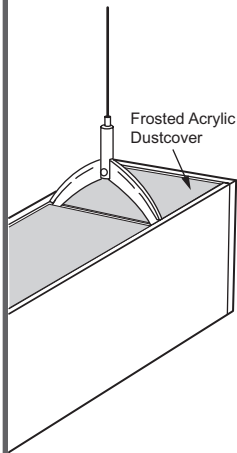
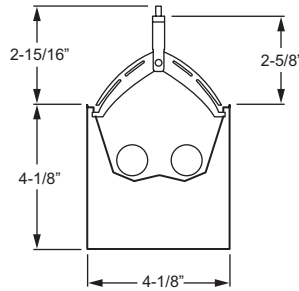
T8

### FIXTURE DETAILS

#### INDIRECT HANGER DETAIL



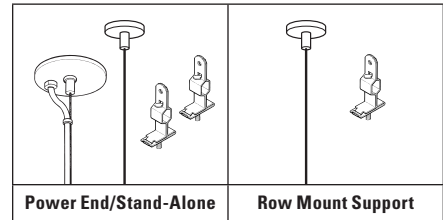
Indirect hanger can be repositioned along the length of the channel, providing flexible mounting locations to suit any application.



Optional frosted acrylic dustcover can be used in conjunction with indirect hanger bracket. Depending on desired location of indirect hanger, the dustcover may have to be cut to fit around the bracket. See illustration to the left for details.

#### STANDARD HARDWARE

(grid ceiling applications)



Notes:

- Fixtures are provided with adjustable length aircraft cables and choice of T-bar (standard) or optional hard pan ceiling hardware, must specify. See Fluorescent Information section for details.
- Electrical supply is brought into the feeder (or stand-alone) fixture, either as part of a row or as an individual mount unit 6" from end of fixture.

### LAMP CONFIGURATIONS - 1T8 and 2T8 NON-STAGGERED

2'	2
3'	3
4'	4
5'	2 3
6'	3 3
7'	4 3
8'	4 4
9'	3 3 3
10'	4 2 4
11'	4 3 4
12'	4 4 4
13'	4 2 3 4

#### LEGEND

2	2' lamp
3	3' lamp
4	4' lamp

For additional configurations, see next page.

LAMP CONFIGURATIONS - 1T8 and 2T8 NON-STAGGERED (Continued)

	LEGEND													
	2	2' lamp												
	3	3' lamp												
	4	4' lamp												
14'	4	3	3	4										
15'	4	3	4	4										
16'	4	4	4	4										
17'	4	3	3	3	4									
18'	4	2	4	4	4									
19'	4	3	4	4	4									
20'	4	4	4	4	4									
21'	4	2	3	4	4	4								
22'	4	3	3	4	4	4								
23'	4	3	4	4	4	4								
24'	4	4	4	4	4	4								
25'	4	3	3	3	4	4	4							
26'	4	2	4	4	4	4	4							
27'	4	3	4	4	4	4	4							
28'	4	4	4	4	4	4	4							
29'	4	2	3	4	4	4	4	4						
30'	4	3	3	4	4	4	4	4						
31'	4	3	4	4	4	4	4	4						
32'	4	4	4	4	4	4	4	4						
33'	4	3	3	3	4	4	4	4	4					
34'	4	2	4	4	4	4	4	4	4					
35'	4	3	4	4	4	4	4	4	4					
36'	4	4	4	4	4	4	4	4	4					
37'	4	2	3	4	4	4	4	4	4	4				
38'	4	3	3	4	4	4	4	4	4	4				
39'	4	3	4	4	4	4	4	4	4	4				
40'	4	4	4	4	4	4	4	4	4	4				
41'	4	3	3	3	4	4	4	4	4	4	4			
42'	4	2	4	4	4	4	4	4	4	4	4			
43'	4	3	4	4	4	4	4	4	4	4	4			
44'	4	4	4	4	4	4	4	4	4	4	4			
45'	4	2	3	4	4	4	4	4	4	4	4	4		
46'	4	3	3	4	4	4	4	4	4	4	4	4		
47'	4	3	4	4	4	4	4	4	4	4	4	4		
48'	4	4	4	4	4	4	4	4	4	4	4	4		
49'	4	3	3	3	4	4	4	4	4	4	4	4	4	
50'	4	2	4	4	4	4	4	4	4	4	4	4	4	

For additional configurations, see next page.



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### LAMP CONFIGURATIONS - 1T8 STAGGERED

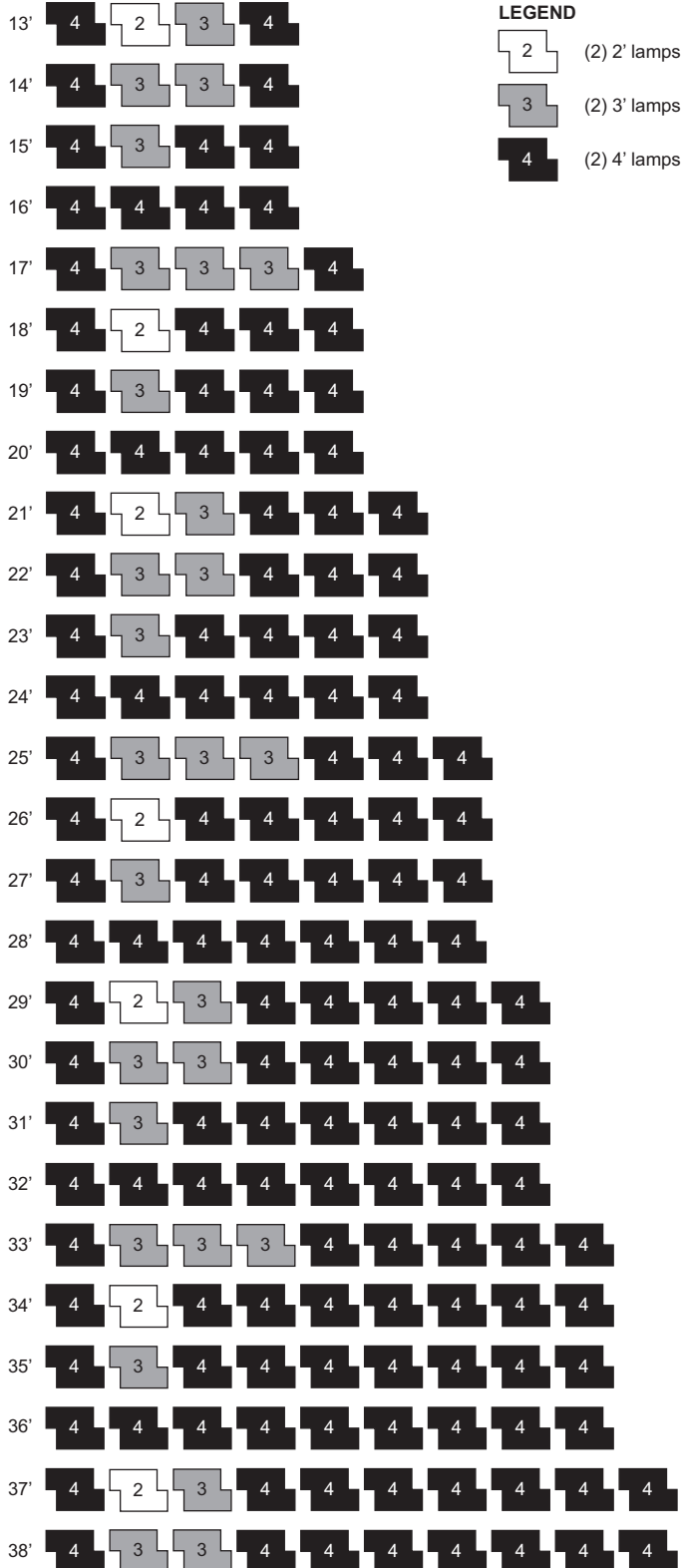
13'	4	3	4	4	<b>LEGEND</b> <span style="border: 1px solid black; padding: 2px;">2</span> 2' lamp <span style="border: 1px solid black; padding: 2px;">3</span> 3' lamp <span style="border: 1px solid black; padding: 2px;">4</span> 4' lamp										
14'	4	4	4	4											
15'	4	3	3	3		4									
16'	4	3	3	4		4									
17'	4	3	4	4		4									
18'	4	4	4	4		4									
19'	4	3	3	4		4	4								
20'	4	3	4	4		4	4								
21'	4	4	4	4		4	4								
22'	4	3	3	3		4	4	4							
23'	4	3	3	4		4	4	4							
24'	4	3	4	4		4	4	4							
25'	4	4	4	4		4	4	4							
26'	4	3	3	4		4	4	4	4						
27'	4	3	4	4		4	4	4	4						
28'	4	4	4	4		4	4	4	4						
29'	4	3	3	3		4	4	4	4	4					
30'	4	3	3	4		4	4	4	4	4					
31'	4	3	4	4		4	4	4	4	4					
32'	4	4	4	4		4	4	4	4	4					
33'	4	3	3	4		4	4	4	4	4	4				
34'	4	3	4	4		4	4	4	4	4	4				
35'	4	4	4	4		4	4	4	4	4	4				
36'	4	3	3	3		4	4	4	4	4	4	4			
37'	4	3	3	4		4	4	4	4	4	4	4			
38'	4	3	4	4		4	4	4	4	4	4	4			
39'	4	4	4	4		4	4	4	4	4	4	4			
40'	4	3	3	4		4	4	4	4	4	4	4	4		
41'	4	3	3	3		3	3	4	4	4	4	4	4	4	
42'	4	3	3	3		3	4	4	4	4	4	4	4	4	
43'	4	3	3	3	4	4	4	4	4	4	4	4	4		
44'	4	3	3	4	4	4	4	4	4	4	4	4	4		
45'	4	3	4	4	4	4	4	4	4	4	4	4	4		
46'	4	4	4	4	4	4	4	4	4	4	4	4	4		
47'	4	3	3	4	4	4	4	4	4	4	4	4	4	4	
48'	4	3	3	3	3	3	4	4	4	4	4	4	4	4	4
49'	4	3	3	3	3	4	4	4	4	4	4	4	4	4	4
50'	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4

For additional configurations,  
see next page.



LAMP CONFIGURATIONS - 2T8 STAGGERED

ACTUAL ROW LENGTH IS 6" MORE THAN NOMINAL.



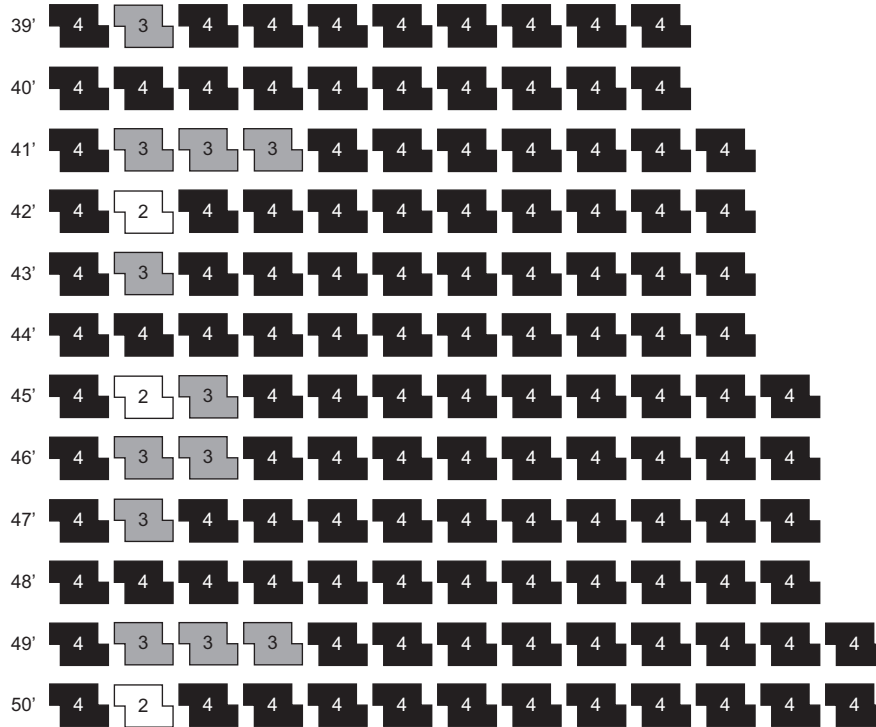
For additional configurations, see next page.



T8

### LAMP CONFIGURATIONS - 2T8 STAGGERED (Continued)

ACTUAL ROW LENGTH IS 6" MORE THAN NOMINAL.



**LEGEND**

- (2) 2' lamps
- (2) 3' lamps
- (2) 4' lamps

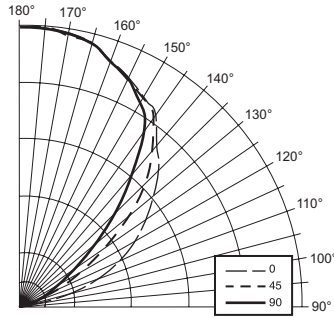
For photometry, see next page.

### PHOTOMETRY – 1-LAMP

Catalog #: LX4U-4-132

#### TEST REPORT INFORMATION

- ▶ Test Report #: 16768.0
- ▶ Date: 07/12/12
- ▶ Lamp Type: F32T8/835
- ▶ Lamp Quantity: 1



#### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
90°	0.	0.	0.	
95°	27.	21.	21.	23.2
105°	209.	65.	59.	93.7
115°	382.	165.	113.	207.9
125°	525.	365.	241.	341.5
135°	661.	603.	467.	449.0
145°	787.	780.	734.	483.2
155°	844.	841.	841.	390.1
165°	909.	912.	909.	257.9
175°	931.	933.	929.	88.8
180°	930.	930.	930.	

#### ZONAL CAVITY COEFFICIENTS

	Ceiling			Wall			Floor		
	.70	.50	.30	.70	.50	.30	.50	.30	.10
Room Cavity Ratio 0	.75	.75	.75	.64	.64	.64	.44	.44	.44
1	.68	.65	.62	.58	.56	.53	.38	.37	.36
2	.62	.57	.52	.53	.49	.45	.33	.31	.29
3	.57	.50	.44	.48	.43	.38	.29	.27	.24
4	.52	.44	.38	.44	.38	.33	.26	.23	.21
5	.47	.39	.33	.40	.33	.29	.23	.20	.18
6	.44	.35	.29	.37	.30	.25	.21	.18	.15
7	.40	.31	.26	.34	.27	.22	.19	.16	.13
8	.37	.28	.23	.32	.24	.20	.17	.14	.12
9	.35	.26	.21	.29	.22	.18	.15	.13	.11
10	.32	.24	.19	.28	.20	.16	.14	.11	.09

Effective Floor Cavity Reflectance = .20

#### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
90 - 120	325.	11.0	13.9
90 - 130	666.	22.6	28.5
90 - 150	1598.	54.2	68.4
90 - 180	2335.	79.2	100.0
<b>Total Luminaire:</b>			
0 - 180	2335.	79.2	100.0

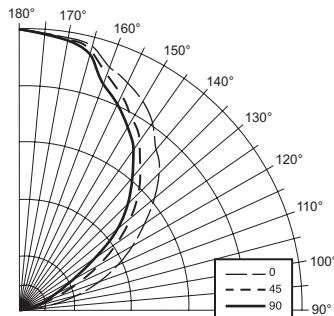
Total Luminaire Optical Efficiency: **79.2%**

### PHOTOMETRY – 2-LAMP

Catalog #: LX4U-4-232

#### TEST REPORT INFORMATION

- ▶ Test Report #: 16767.0
- ▶ Date: 07/11/12
- ▶ Lamp Type: F32T8/835
- ▶ Lamp Quantity: 2



#### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
90°	0.	0.	0.	
95°	62.	48.	49.	53.3
105°	394.	136.	128.	203.9
115°	741.	430.	286.	463.9
125°	1033.	810.	629.	727.6
135°	1324.	1125.	1036.	888.9
145°	1541.	1397.	1326.	891.0
155°	1675.	1595.	1527.	740.6
165°	1828.	1812.	1776.	512.6
175°	1862.	1856.	1851.	177.2
180°	1869.	1869.	1869.	

#### ZONAL CAVITY COEFFICIENTS

	Ceiling			Wall			Floor		
	.70	.50	.30	.70	.50	.30	.50	.30	.10
Room Cavity Ratio 0	.75	.75	.75	.64	.64	.64	.44	.44	.44
1	.68	.65	.62	.58	.56	.53	.38	.37	.35
2	.62	.57	.52	.53	.49	.45	.33	.31	.29
3	.56	.50	.44	.48	.43	.38	.29	.27	.24
4	.52	.44	.38	.44	.38	.33	.26	.23	.21
5	.47	.39	.33	.40	.33	.29	.23	.20	.18
6	.43	.35	.29	.37	.30	.25	.21	.18	.15
7	.40	.31	.26	.34	.27	.22	.19	.16	.13
8	.37	.28	.23	.32	.24	.20	.17	.14	.12
9	.35	.26	.21	.29	.22	.18	.15	.13	.11
10	.32	.24	.19	.27	.20	.16	.14	.11	.09

Effective Floor Cavity Reflectance = .20

#### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
90 - 120	721.	12.2	15.5
90 - 130	1449.	24.6	31.1
90 - 150	3229.	54.7	69.3
90 - 180	4659.	79.0	100.0
<b>Total Luminaire:</b>			
0 - 180	4659.	79.0	100.0

Total Luminaire Optical Efficiency: **79.0%**

