

# 4" EXTRUDED RECTANGULAR – SURFACE

# LX4S

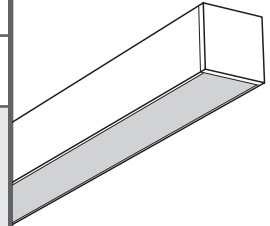
**SUBMITTAL:**

**T5**

**JOB:**

**TYPE:**

**VOLTAGE:**



EXAMPLE

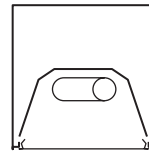
**LX4S - 4 - 1SST5H - A - OPTIONS - EB - UNV**

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

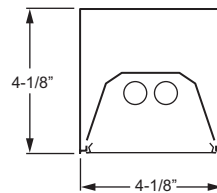


## FEATURES

- ▶ 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 direct lighting for use in offices, hallways, conference rooms or common areas.
- ▶ Linear extrusion contains snap-in light modules for ease of installation and maintenance.
- ▶ Fixtures are designed to even increments to simplify lighting layouts.
- ▶ Frosted acrylic lens or parabolic louvers shield lamps from view.
- ▶ Lamps configured to minimize dark spots.
- ▶ This fixture is proudly made in the USA.



1SST5S or 1SST5H



2SST5S or 2SST5H

## SPECIFICATIONS

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

**Shielding** – Extruded frosted acrylic lens or optional parabolic louvers with various finishes.

**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, program start T5, rated Class P. Light modules for row mounting equipped with quick-connect wiring harness standard.

**Mounting** – Surface.

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

## ORDERING INFORMATION

### SERIES

**LX4S** 4" Rectangular Extruded – Surface

### NOMINAL LENGTH<sup>1</sup>

**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@hewilliams.com for layout assistance.

### LAMP TYPE/CROSS-SECTION<sup>1</sup>

For lamp configuration diagrams see page 1B-1E.

**1SST5S** 1-lamp, staggered T5  
**1SST5H** 1-lamp, staggered T5HO  
**2SST5S** 2-lamp, staggered T5  
**2SST5H** 2-lamp, staggered T5HO

### SHIELDING

**A** Frosted acrylic  
**MAPL** Specular aluminum parabolic louver  
**SAPL** Semi-specular aluminum parabolic louver  
**WAPL** White aluminum parabolic louver

### OPTIONS

For generic **EM ballast** options (must specify voltage), see Fluorescent Information section. **Ballast size restrictions apply.** Consult factory.

Factory-installed occupancy sensor (120V or 277V only) adds 6" to overall nominal length of fixture run:

**OCCWS FS-355-L6<sup>2</sup>** End-mount sensor<sup>2</sup>

### BALLAST TYPE

For **dimming** options see Fluorescent Information section. **Ballast size restrictions apply.** Consult factory.

**EB** Electronic ballast

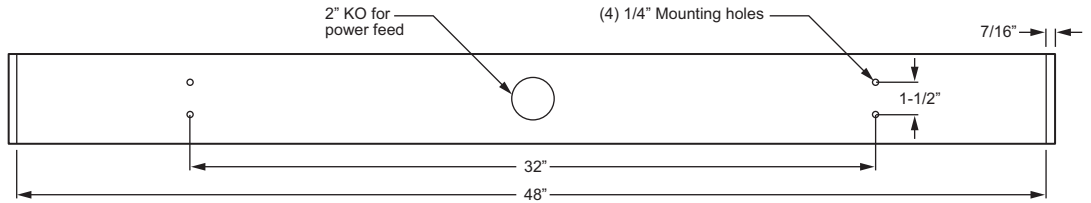
### VOLTAGE

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

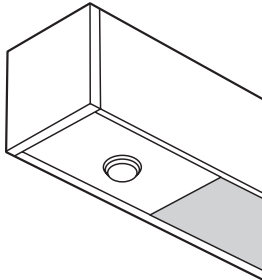
<sup>1</sup> Due to T5 lamp lengths and resulting lamp overlap, uneven lens illumination may occur.  
<sup>2</sup> OCCWS FS-355-L6 option requires 120V or 277V.

T5

### BACK VIEW (Example shown below is of 4' extrusion)



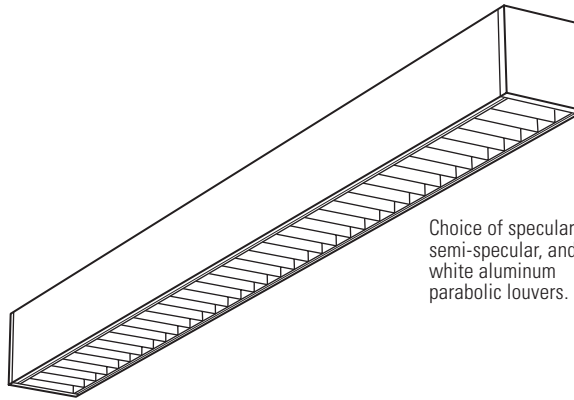
### Occupancy Sensor Detail



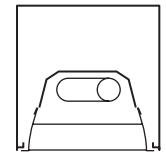
Optional occupancy sensor is installed on the power end of the fixture. When specified, please note that the occupancy sensor adds 6" to the overall length of the fixture run.

### FIXTURE DETAILS

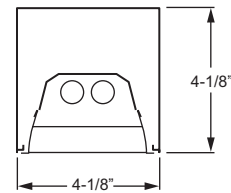
#### OPTIONAL LOUVER SHIELDING DETAIL



#### LOUVER CROSS-SECTIONS



1SST5S or 1SST5H



2SST5S or 2SST5H

### LAMP CONFIGURATIONS - 1T5 STAGGERED

|     |   |   |   |   |   |   |   |   |
|-----|---|---|---|---|---|---|---|---|
| 2'  | 2 |   |   |   |   |   |   |   |
| 3'  | 3 |   |   |   |   |   |   |   |
| 4'  | 4 |   |   |   |   |   |   |   |
| 5'  | 2 | 2 | 2 |   |   |   |   |   |
| 6'  | 2 | 3 | 2 |   |   |   |   |   |
| 7'  | 3 | 2 | 3 |   |   |   |   |   |
| 8'  | 3 | 3 | 3 |   |   |   |   |   |
| 9'  | 4 | 3 | 4 |   |   |   |   |   |
| 10' | 4 | 4 | 4 |   |   |   |   |   |
| 11' | 4 | 2 | 2 | 2 | 4 |   |   |   |
| 12' | 4 | 2 | 2 | 3 | 4 |   |   |   |
| 13' | 4 | 2 | 3 | 3 | 4 |   |   |   |
| 14' | 4 | 3 | 3 | 3 | 4 |   |   |   |
| 15' | 4 | 3 | 3 | 4 | 4 |   |   |   |
| 16' | 4 | 4 | 3 | 4 | 4 |   |   |   |
| 17' | 4 | 4 | 4 | 4 | 4 |   |   |   |
| 18' | 4 | 2 | 2 | 2 | 3 | 3 | 3 | 4 |
| 19' | 4 | 2 | 2 | 2 | 2 | 4 | 4 | 4 |
| 20' | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 4 |
| 21' | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| 22' | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 23' | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| 24' | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |

#### LEGEND

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

For additional configurations, see next page.

LAMP CONFIGURATIONS - 1T5 STAGGERED (Continued)

|     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25' | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |   |   |   |   |   |   |   |   |
| 26' | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |   |   |   |   |   |
| 27' | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |   |   |   |   |   |
| 28' | 4 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |   |   |   |
| 29' | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |   |   |   |   |   |   |
| 30' | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |   |   |   |   |   |   |
| 31' | 4 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |   |   |
| 32' | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |   |   |   |
| 33' | 4 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |   |   |
| 34' | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |   |   |   |
| 35' | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |   |   |
| 36' | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |   |   |
| 37' | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |   |   |
| 38' | 4 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |
| 39' | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |
| 40' | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |
| 41' | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |
| 42' | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |
| 43' | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |
| 44' | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |
| 45' | 4 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 46' | 4 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 47' | 4 | 2 | 2 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 48' | 4 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 49' | 4 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 50' | 4 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

**LEGEND**  
 2 2' lamp  
 3 3' lamp  
 4 4' lamp

LAMP CONFIGURATIONS - 2T5 STAGGERED

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




**LEGEND**  
 2 (2) 2' lamps  
 3 (2) 3' lamps  
 4 (2) 4' lamps

































































































































































































For additional configurations, see next page.

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### LAMP CONFIGURATIONS - 2T5 STAGGERED (Continued)

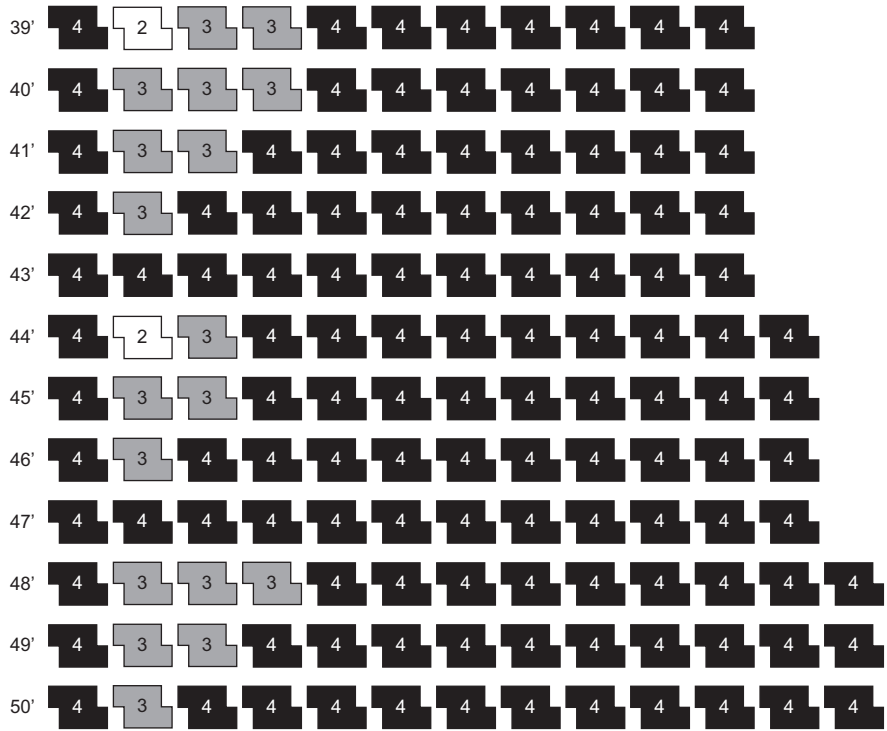
**LEGEND**

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

|     |  |                      |
|-----|--|----------------------|
| 13' |      |                      |
| 14' |      |                      |
| 15' |      |                      |
| 16' |      |                      |
| 17' |       |                      |
| 18' |       |                      |
| 19' |       |                      |
| 20' |       |                      |
| 21' |        |                      |
| 22' |        |                      |
| 23' |        |                      |
| 24' |        |                      |
| 25' |         | 24'-6" actual length |
| 26' |         | 25'-6" actual length |
| 27' |         | 26'-6" actual length |
| 28' |         | 27'-6" actual length |
| 29' |           | 28'-6" actual length |
| 30' |           | 29'-6" actual length |
| 31' |           | 30'-6" actual length |
| 32' |              |                      |
| 33' |              |                      |
| 34' |               |                      |
| 35' |               |                      |
| 36' |            | 35'-6" actual length |
| 37' |              |                      |
| 38' |             |                      |

**For additional configurations, see next page.**

LAMP CONFIGURATIONS - 2T5 STAGGERED (Continued)



**LEGEND**

(2) 2' lamps

(2) 3' lamps

(2) 4' lamps

For photometry, see next page.

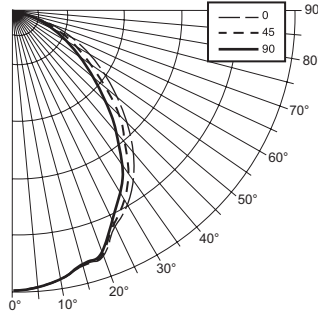
T5

### PHOTOMETRY – FROSTED ACRYLIC LENS

Catalog #: LX4S-4-154T5H-A

#### TEST REPORT INFORMATION

- ▶ Test Report #: 16616.0
- ▶ Date: 03/20/12
- ▶ Lamp Type: F54T5H/841
- ▶ Lamp Quantity: 1



#### ZONAL CAVITY COEFFICIENTS

| Ceiling           |      | .80 |     |     | .70 |     |     | .50 |     |     |
|-------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Room Cavity Ratio | Wall | .70 | .50 | .30 | .70 | .50 | .30 | .50 | .30 | .10 |
|                   | 0    | .78 | .78 | .78 | .76 | .76 | .76 | .73 | .73 | .73 |
|                   | 1    | .73 | .70 | .68 | .71 | .69 | .66 | .66 | .64 | .62 |
|                   | 2    | .67 | .62 | .59 | .65 | .61 | .58 | .59 | .56 | .53 |
|                   | 3    | .62 | .56 | .51 | .60 | .55 | .51 | .53 | .49 | .46 |
|                   | 4    | .57 | .50 | .45 | .56 | .49 | .45 | .48 | .44 | .40 |
|                   | 5    | .53 | .45 | .39 | .51 | .44 | .39 | .43 | .38 | .35 |
|                   | 6    | .49 | .40 | .35 | .47 | .40 | .35 | .39 | .34 | .31 |
|                   | 7    | .45 | .37 | .31 | .44 | .36 | .31 | .35 | .30 | .27 |
|                   | 8    | .41 | .33 | .28 | .40 | .32 | .27 | .32 | .27 | .24 |
|                   | 9    | .38 | .30 | .24 | .37 | .29 | .24 | .28 | .24 | .21 |
| 10                | .36  | .27 | .22 | .35 | .27 | .22 | .26 | .21 | .18 |     |

Effective Floor Cavity Reflectance = .20

#### CANDLEPOWER DISTRIBUTION

| Vertical Angle | Horizontal Angle |       |       | Zonal Lumens |
|----------------|------------------|-------|-------|--------------|
|                | 0°               | 45°   | 90°   |              |
| 0°             | 1418.            | 1418. | 1418. |              |
| 5°             | 1409.            | 1407. | 1407. | 134.4        |
| 15°            | 1347.            | 1345. | 1343. | 381.3        |
| 25°            | 1227.            | 1214. | 1194. | 561.2        |
| 35°            | 1071.            | 1031. | 980.  | 646.0        |
| 45°            | 850.             | 777.  | 697.  | 600.7        |
| 55°            | 587.             | 510.  | 445.  | 460.9        |
| 65°            | 360.             | 307.  | 268.  | 308.2        |
| 75°            | 159.             | 142.  | 128.  | 150.9        |
| 85°            | 40.              | 40.   | 40.   | 43.9         |
| 90°            | 0.               | 0.    | 0.    |              |

#### LUMEN SUMMARY

| Zone                    | Lumens | % Lamp | % Fixture |
|-------------------------|--------|--------|-----------|
| 0 - 30                  | 1077.  | 21.5   | 32.8      |
| 0 - 40                  | 1723.  | 34.5   | 52.4      |
| 0 - 60                  | 2784.  | 55.7   | 84.7      |
| 0 - 90                  | 3287.  | 65.7   | 100.0     |
| <b>Total Luminaire:</b> |        |        |           |
| 0 - 180                 | 3287.  | 65.7   | 100.0     |

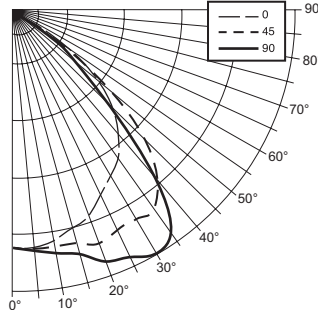
Total Luminaire Optical Efficiency: **65.7%**  
 IES Spacing Criteria: End = 1.2  
 Diagonal = 1.2  
 Across = 1.2

### PHOTOMETRY – SEMI-SPECULAR PARABOLIC LOUVER

Catalog #: LX4S-4-154T5H-SAPL

#### TEST REPORT INFORMATION

- ▶ Test Report #: 16617.0
- ▶ Date: 03/21/12
- ▶ Lamp Type: F54T5H/841
- ▶ Lamp Quantity: 1



#### ZONAL CAVITY COEFFICIENTS

| Ceiling           |      | .80 |     |     | .70 |     |     | .50 |     |     |
|-------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Room Cavity Ratio | Wall | .70 | .50 | .30 | .70 | .50 | .30 | .50 | .30 | .10 |
|                   | 0    | .78 | .78 | .78 | .76 | .76 | .76 | .73 | .73 | .73 |
|                   | 1    | .74 | .71 | .69 | .72 | .70 | .68 | .67 | .66 | .64 |
|                   | 2    | .69 | .65 | .62 | .68 | .64 | .61 | .62 | .59 | .57 |
|                   | 3    | .64 | .59 | .55 | .63 | .58 | .55 | .57 | .53 | .51 |
|                   | 4    | .60 | .54 | .49 | .59 | .53 | .49 | .52 | .48 | .45 |
|                   | 5    | .56 | .49 | .44 | .54 | .48 | .44 | .47 | .43 | .40 |
|                   | 6    | .52 | .44 | .39 | .50 | .44 | .39 | .43 | .39 | .35 |
|                   | 7    | .48 | .40 | .35 | .47 | .39 | .35 | .39 | .34 | .31 |
|                   | 8    | .44 | .36 | .31 | .43 | .35 | .31 | .35 | .30 | .27 |
|                   | 9    | .40 | .32 | .27 | .39 | .32 | .27 | .31 | .27 | .24 |
| 10                | .37  | .29 | .24 | .36 | .29 | .24 | .28 | .24 | .21 |     |

Effective Floor Cavity Reflectance = .20

#### CANDLEPOWER DISTRIBUTION

| Vertical Angle | Horizontal Angle |       |       | Zonal Lumens |
|----------------|------------------|-------|-------|--------------|
|                | 0°               | 45°   | 90°   |              |
| 0°             | 1386.            | 1386. | 1386. |              |
| 5°             | 1395.            | 1399. | 1405. | 133.6        |
| 15°            | 1319.            | 1405. | 1475. | 396.9        |
| 25°            | 1216.            | 1421. | 1593. | 653.4        |
| 35°            | 1079.            | 1435. | 1627. | 877.3        |
| 45°            | 860.             | 1142. | 888.  | 783.3        |
| 55°            | 397.             | 430.  | 332.  | 375.8        |
| 65°            | 12.              | 57.   | 65.   | 46.8         |
| 75°            | 5.               | 5.    | 6.    | 6.2          |
| 85°            | 1.               | 1.    | 2.    | 1.5          |
| 90°            | 0.               | 0.    | 0.    |              |

#### LUMEN SUMMARY

| Zone                    | Lumens | % Lamp | % Fixture |
|-------------------------|--------|--------|-----------|
| 0 - 30                  | 1184.  | 23.7   | 36.2      |
| 0 - 40                  | 2061.  | 41.2   | 62.9      |
| 0 - 60                  | 3220.  | 64.4   | 98.3      |
| 0 - 90                  | 3275.  | 65.5   | 100.0     |
| <b>Total Luminaire:</b> |        |        |           |
| 0 - 180                 | 3275.  | 65.5   | 100.0     |

Total Luminaire Optical Efficiency: **65.5%**  
 IES Spacing Criteria: End = 1.2  
 Diagonal = 1.5  
 Across = 1.6

For additional photometry, see next page.

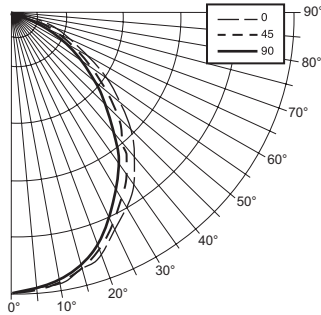


PHOTOMETRY – FROSTED ACRYLIC LENS

Catalog #: LX4S-4-254T5H-A

TEST REPORT INFORMATION

- ▶ Test Report #: 16759.0
- ▶ Date: 07/11/12
- ▶ Lamp Type: F54T5H/841
- ▶ Lamp Quantity: 2



CANDLEPOWER DISTRIBUTION

| Vertical Angle | Horizontal Angle |       |       | Zonal Lumens |
|----------------|------------------|-------|-------|--------------|
|                | 0°               | 45°   | 90°   |              |
| 0°             | 2565.            | 2565. | 2565. |              |
| 5°             | 2534.            | 2530. | 2526. | 241.6        |
| 15°            | 2444.            | 2431. | 2415. | 688.9        |
| 25°            | 2209.            | 2161. | 2097. | 998.4        |
| 35°            | 1959.            | 1846. | 1733. | 1159.8       |
| 45°            | 1572.            | 1406. | 1257. | 1092.6       |
| 55°            | 1077.            | 924.  | 811.  | 837.9        |
| 65°            | 650.             | 552.  | 488.  | 557.1        |
| 75°            | 288.             | 258.  | 235.  | 274.1        |
| 85°            | 70.              | 72.   | 72.   | 78.3         |
| 90°            | 0.               | 0.    | 0.    |              |

ZONAL CAVITY COEFFICIENTS

|    | Ceiling |     |     | Wall |     |     | Floor |     |     |
|----|---------|-----|-----|------|-----|-----|-------|-----|-----|
|    | .70     | .80 | .90 | .70  | .80 | .90 | .70   | .80 | .90 |
| 0  | .71     | .71 | .71 | .69  | .69 | .69 | .66   | .66 | .66 |
| 1  | .66     | .63 | .61 | .64  | .62 | .60 | .59   | .58 | .56 |
| 2  | .60     | .56 | .53 | .59  | .55 | .52 | .53   | .50 | .48 |
| 3  | .56     | .50 | .46 | .55  | .50 | .46 | .48   | .44 | .42 |
| 4  | .52     | .45 | .41 | .50  | .44 | .40 | .43   | .39 | .36 |
| 5  | .47     | .40 | .35 | .46  | .40 | .35 | .38   | .34 | .31 |
| 6  | .44     | .36 | .31 | .43  | .36 | .31 | .35   | .31 | .28 |
| 7  | .40     | .33 | .28 | .39  | .32 | .28 | .32   | .27 | .24 |
| 8  | .37     | .30 | .25 | .36  | .29 | .25 | .28   | .24 | .21 |
| 9  | .34     | .27 | .22 | .34  | .26 | .22 | .26   | .21 | .19 |
| 10 | .32     | .24 | .20 | .31  | .24 | .20 | .23   | .19 | .16 |

Effective Floor Cavity Reflectance = .20

LUMEN SUMMARY

| Zone                    | Lumens | % Lamp | % Fixture |
|-------------------------|--------|--------|-----------|
| 0 - 30                  | 1929.  | 19.3   | 32.5      |
| 0 - 40                  | 3089.  | 30.9   | 52.1      |
| 0 - 60                  | 5019.  | 50.2   | 84.7      |
| 0 - 90                  | 5929.  | 59.3   | 100.0     |
| <b>Total Luminaire:</b> |        |        |           |
| 0 - 180                 | 5929.  | 59.3   | 100.0     |

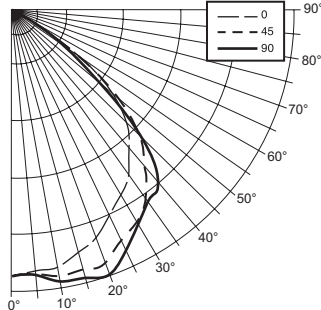
Total Luminaire Optical Efficiency: **59.3%**  
 IES Spacing Criteria: End = 1.2  
 Diagonal = 1.2  
 Across = 1.1

PHOTOMETRY – SEMI-SPECULAR PARABOLIC LOUVER

Catalog #: LX4S-4-254T5H-SAPL

TEST REPORT INFORMATION

- ▶ Test Report #: 16760.0
- ▶ Date: 07/11/12
- ▶ Lamp Type: F54T5H/841
- ▶ Lamp Quantity: 2



CANDLEPOWER DISTRIBUTION

| Vertical Angle | Horizontal Angle |       |       | Zonal Lumens |
|----------------|------------------|-------|-------|--------------|
|                | 0°               | 45°   | 90°   |              |
| 0°             | 2475.            | 2475. | 2475. |              |
| 5°             | 2452.            | 2466. | 2480. | 235.3        |
| 15°            | 2354.            | 2506. | 2592. | 705.8        |
| 25°            | 2131.            | 2402. | 2503. | 1094.3       |
| 35°            | 1897.            | 2184. | 2206. | 1333.1       |
| 45°            | 1546.            | 1711. | 1744. | 1331.8       |
| 55°            | 710.             | 823.  | 624.  | 674.4        |
| 65°            | 27.              | 99.   | 113.  | 80.9         |
| 75°            | 8.               | 8.    | 9.    | 9.4          |
| 85°            | 6.               | 6.    | 6.    | 6.3          |
| 90°            | 0.               | 0.    | 0.    |              |

ZONAL CAVITY COEFFICIENTS

|    | Ceiling |     |     | Wall |     |     | Floor |     |     |
|----|---------|-----|-----|------|-----|-----|-------|-----|-----|
|    | .70     | .80 | .90 | .70  | .80 | .90 | .70   | .80 | .90 |
| 0  | .65     | .65 | .65 | .64  | .64 | .64 | .61   | .61 | .61 |
| 1  | .61     | .60 | .58 | .60  | .58 | .57 | .56   | .55 | .54 |
| 2  | .58     | .54 | .52 | .56  | .53 | .51 | .52   | .50 | .48 |
| 3  | .54     | .50 | .46 | .53  | .49 | .46 | .47   | .45 | .43 |
| 4  | .50     | .45 | .41 | .49  | .44 | .41 | .43   | .40 | .38 |
| 5  | .46     | .41 | .37 | .45  | .40 | .36 | .39   | .36 | .33 |
| 6  | .43     | .37 | .33 | .42  | .36 | .33 | .36   | .32 | .30 |
| 7  | .40     | .33 | .29 | .39  | .33 | .29 | .32   | .29 | .26 |
| 8  | .37     | .30 | .26 | .36  | .30 | .26 | .29   | .25 | .23 |
| 9  | .34     | .27 | .23 | .33  | .27 | .23 | .26   | .22 | .20 |
| 10 | .31     | .24 | .20 | .30  | .24 | .20 | .23   | .20 | .17 |

Effective Floor Cavity Reflectance = .20

LUMEN SUMMARY

| Zone                    | Lumens | % Lamp | % Fixture |
|-------------------------|--------|--------|-----------|
| 0 - 30                  | 2035.  | 20.4   | 37.2      |
| 0 - 40                  | 3369.  | 33.7   | 61.6      |
| 0 - 60                  | 5375.  | 53.7   | 98.2      |
| 0 - 90                  | 5471.  | 54.7   | 100.0     |
| <b>Total Luminaire:</b> |        |        |           |
| 0 - 180                 | 5471.  | 54.7   | 100.0     |

Total Luminaire Optical Efficiency: **54.7%**  
 IES Spacing Criteria: End = 1.2  
 Diagonal = 1.4  
 Across = 1.4



**LX4S**

**4" EXTRUDED RECTANGULAR – SURFACE**

T5

