



# D-Series Size 0 LED Area Luminaire



|                |
|----------------|
| Catalog Number |
| Notes          |
| Type           |

Hit the Tab key or mouse over the page to see all interactive elements.

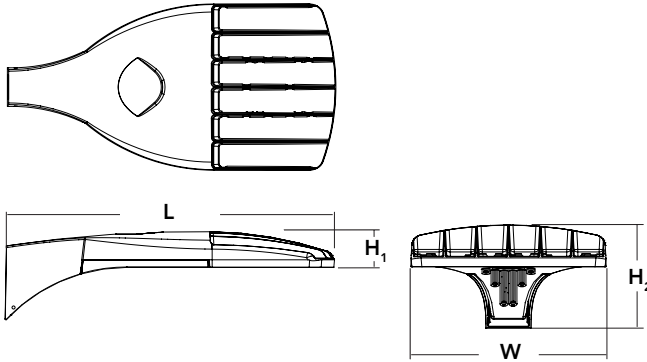
## Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.

## Specifications

|                       |   |
|-----------------------|---|
| EPA:                  | 0.95 ft <sup>2</sup><br>(.09 m <sup>2</sup> ) |
| Length:               | 26"<br>(66.0 cm)                              |
| Width:                | 13"<br>(33.0 cm)                              |
| Height <sub>1</sub> : | 3"<br>(7.62 cm)                               |
| Height <sub>2</sub> : | 7"<br>(17.8 cm)                               |
| Weight (max):         | 16 lbs<br>(7.25 kg)                           |



## Ordering Information

**EXAMPLE:** DSX0 LED P6 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

| DSX0 LED |   |  |   |  |  |
|----------|---|--|---|--|--|
| Series   | LEDs  | Color temperature                      | Distribution  | Voltage  | Mounting   |
| DSX0 LED | <b>Forward optics</b><br>P1 P5<br>P2 P6<br>P3 P7 <sup>1</sup><br>P4 <sup>1</sup><br><b>Rotated optics</b><br>P10 <sup>2</sup> P12 <sup>2</sup><br>P11 <sup>2</sup> P13 <sup>1,2</sup> | 30K 3000 K<br>40K 4000 K<br>50K 5000 K | T1S Type I short (Automotive)<br>T2S Type II short<br>T2M Type II medium<br>T3S Type III short<br>T3M Type III medium<br>T4M Type IV medium<br>TFTM Forward throw medium<br>T5VS Type V very short <sup>3</sup> | T5S Type V short <sup>3</sup><br>T5M Type V medium <sup>3</sup><br>T5W Type V wide <sup>3</sup><br>BLC Backlight control <sup>4</sup><br>LCCO Left corner cutoff <sup>4</sup><br>RCCO Right corner cutoff <sup>4</sup> | <b>Shipped included</b><br>SPA Square pole mounting<br>RPA Round pole mounting <sup>10</sup><br>WBA Wall bracket <sup>3</sup><br>SPUMBA Square pole universal mounting adaptor <sup>11</sup><br>RPUMBA Round pole universal mounting adaptor <sup>11</sup><br><b>Shipped separately</b><br>KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>12</sup> |
|          |   |  |   | MVOLT (120V-277V) <sup>5,6</sup><br>XVOLT (277V-480V) <sup>7,8,9</sup><br>120 <sup>6</sup><br>208 <sup>6</sup><br>240 <sup>6</sup><br>277 <sup>6</sup><br>347 <sup>6</sup><br>480 <sup>6</sup>                         |  |

| Control options   | Other options  | Finish (required)  |
|---|--|--|
| <b>Shipped installed</b><br>NLTAIR2 nLight AIR generation 2 enabled <sup>13,14</sup><br>PIRHN Network, high/low motion/ambient sensor <sup>15</sup><br>PER NEMA twist-lock receptacle only (control ordered separate) <sup>16</sup><br>PER5 Five-pin receptacle only (control ordered separate) <sup>16,17</sup><br>PER7 Seven-pin receptacle only (leads exit fixture) (control ordered separate) <sup>16,17</sup><br>DMG 0-10V dimming extend out back of housing for external control (control ordered separate) <sup>18</sup> | <b>Shipped installed</b><br>HS House-side shield <sup>22</sup><br>SF Single fuse (120, 277, 347V) <sup>6</sup><br>DF Double fuse (208, 240, 480V) <sup>6</sup><br>L90 Left rotated optics <sup>2</sup><br>R90 Right rotated optics <sup>2</sup><br>DDL Diffused drop lens <sup>22</sup><br>HA 50°C ambient operations <sup>1</sup><br>BAA Buy America(n) Act Compliant<br><b>Shipped separately</b><br>BS Bird spikes <sup>23</sup><br>EGS External glare shield | DDBXD Dark bronze<br>DBLXD Black<br>DNAXD Natural aluminum<br>DWHXD White<br>DDBTXD Textured dark bronze<br>DBLBXD Textured black<br>DNATXD Textured natural aluminum<br>DWHGXD Textured white |
| PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>19,20</sup><br>PIRHN High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc <sup>19,20</sup><br>PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>19,20</sup><br>PIRHN1FC3V High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc <sup>19,20</sup><br>FAO Field adjustable output <sup>21</sup>                 |  |  |



COMMERCIAL OUTDOOR

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DSX0-LED  
Rev. 07/19/21  
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## Ordering Information

### Accessories

Ordered and shipped separately.

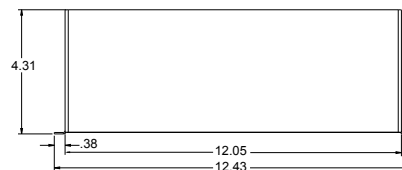
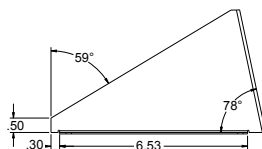
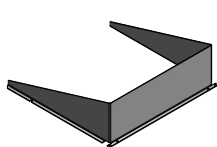
|                    |   |
|--------------------|---|
| DLL127F 1.5 JU     | Photocell - SSL twist-lock (120-277V) <sup>24</sup>                                     |
| DLL347F 1.5 CUL JU | Photocell - SSL twist-lock (347V) <sup>24</sup>   |
| DLL480F 1.5 CUL JU | Photocell - SSL twist-lock (480V) <sup>24</sup>   |
| DSHORT SBK U       | Shorting cap <sup>24</sup>  |
| DSX0HS 20C U       | House-side shield for P1,P2,P3 and P4 <sup>22</sup>                                     |
| DSX0HS 30C U       | House-side shield for P10,P11,P12 and P13 <sup>22</sup>                                 |
| DSX0HS 40C U       | House-side shield for P5,P6 and P7 <sup>22</sup>  |
| DSX0DDL U          | Diffused drop lens (polycarbonate) <sup>22</sup>  |
| PUMBA DDBXD U*     | Square and round pole universal mounting bracket adaptor (specify finish) <sup>25</sup> |
| KMA8 DDBXD U       | Master arm mounting bracket adaptor (specify finish) <sup>12</sup>                      |
| DSX0EGS (FINISH) U | External glare shield   |

For more control options, visit [DTL](#) and [ROAM](#) online.  
Link to [nLight Air 2](#)

### NOTES

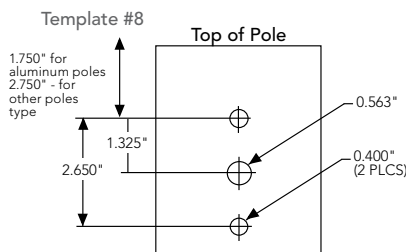
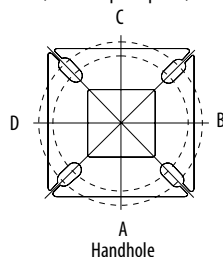
- HA not available with P4, P7, and P13.
- P10, P11, P12 and P13 and rotated options (L90 or R90) only available together.
- Any Type 5 distribution with photocell, is not available with WBA.
- Not available with HS or DDL.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).
- XVOLT only suitable for use with P4, P7 and P13.
- XVOLT operates with any voltage between 277V and 480V.
- XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
- Suitable for mounting to round poles between 3.5" and 12" diameter.
- Universal mounting brackets intended for retrofit on existing pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8.
- Must order fixture with SPA mounting. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
- Must be ordered with PIRHN.
- Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- Must be ordered with NLTAIR2. For more information on nLight Air 2 visit [this link](#).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
- DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
- Reference Controls Options table on page 4.
- Reference Motion Sensor Default Table on page 4 to see functionality.
- Not available with other dimming controls options.
- Not available with BLC, LCCO and RCCO distribution.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8

## EGS – External Glare Shield



## Drilling

### HANDHOLE ORIENTATION (from top of pole)



### Tenon Mounting Slipfitter

| Tenon O.D. | Mounting | Single Unit | 2 @ 180   | 2 @ 90    | 3 @ 90    | 3 @ 120   | 4 @ 90    |
|------------|----------|-------------|-----------|-----------|-----------|-----------|-----------|
| 2-3/8"     | RPA      | AS3-5 190   | AS3-5 280 | AS3-5 290 | AS3-5 390 | AS3-5 320 | AS3-5 490 |
| 2-7/8"     | RPA      | AST25-190   | AST25-280 | AST25-290 | AST25-390 | AST25-320 | AST25-490 |
| 4"         | RPA      | AST35-190   | AST35-280 | AST35-290 | AST35-390 | AST35-320 | AST35-490 |

| Mounting Option                           | Drilling Template | Single | 2 @ 180    | 2 @ 90     | 3 @ 90        | 3 @ 120         | 4 @ 90           |
|---|-------------------|--------|------------|------------|---------------|-----------------|------------------|
| Head Location                             |                   | Side B | Side B & D | Side B & C | Side B, C & D | Round Pole Only | Side A, B, C & D |
| Drill Nomenclature                        | #8                | DM19AS | DM28AS     | DM29AS     | DM39AS        | DM32AS          | DM49AS           |
| Minimum Acceptable Outside Pole Dimension |                   |        |            |            |               |                 |                  |
| SPA                                       | #8                | 2-7/8" | 2-7/8"     | 3.5"       | 3.5"          |                 | 3.5"             |
| RPA                                       | #8                | 2-7/8" | 2-7/8"     | 3.5"       | 3.5"          | 3"              | 3.5"             |
| SPUMBA                                    | #5                | 2-7/8" | 3"         | 4"         | 4"            |                 | 4"               |
| RPUMBA                                    | #5                | 2-7/8" | 3.5"       | 5"         | 5"            | 3.5"            | 5"               |

### DSX0 Area Luminaire - EPA

\*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

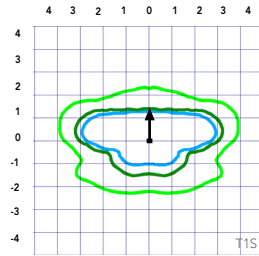
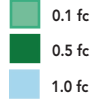
| Fixture Quantity & Mounting Configuration | Single DM19 | 2 @ 180 DM28 | 2 @ 90 DM29 | 3 @ 90 DM39 | 3 @ 120 DM32 | 4 @ 90 DM49 |
|---|-------------|--------------|-------------|-------------|--------------|-------------|
| Mounting Type                             |             |              |             |             |              |             |
| DSX0 LED                                  | 0.950       | 1.900        | 1.830       | 2.850       | 2.850        | 3.544       |

# Photometric Diagrams

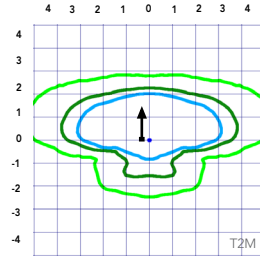
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 0 homepage](#).

Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (20').

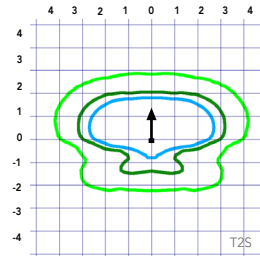
## LEGEND



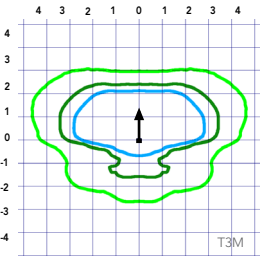
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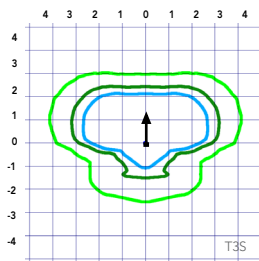
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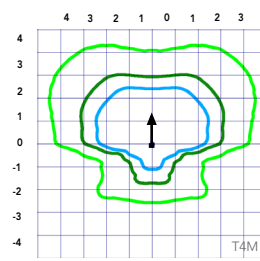
Test No. LTL2345/P25 tested in accordance with IESNA LM-79-08.



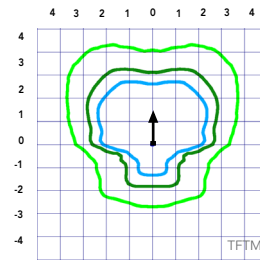
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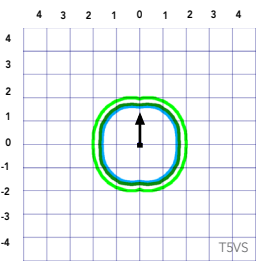
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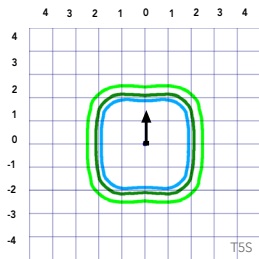
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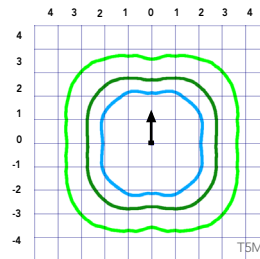
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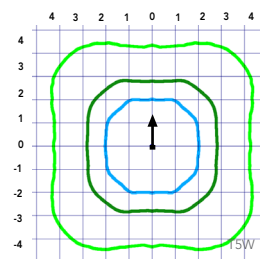
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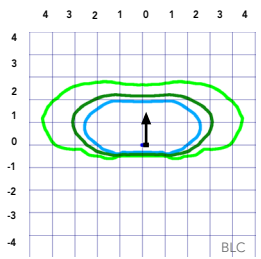
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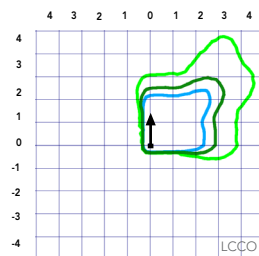
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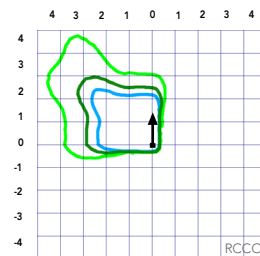
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Test No.



Test No.



Test No.



## THINTEK™ WAFER S

## Direct Mount Recessed

### DESCRIPTION

The ThinTek™ Wafer series from TGS allows for easy installation from below the ceiling without the need for an existing can and is ideal for shallow ceiling plenum applications. The CCT switch allows for selection between 2700K, 3000K, 3500K, 4000K, and 5000K. With Title 24 certification, 90 CRI, and a variety of sizes and lumen packages, ThinTek™ Wafers provide versatility, reliable performance, and a fast, simple installation process.

### APPLICATIONS

Residential, Institution, Hospitality, Retail, Offices, Schools, Basement remodels, Kitchens and Hallways.

### FEATURES

#### Construction

Die-cast aluminum housing and PC lens.  
Air-tight IC Rated.

#### Optical System

Glare controlling lens for comfortable light distribution.  
Provides a 110° beam angle.

#### Warranty

5 year warranty.  
See warranty documentation for more information.

#### Electrical

Input voltage: 120~347VAC, 60Hz  
16W or 25W High Voltage Emergency Battery Backup option available.  
12" Power Cable (Standard): Extension Cable option available in 3' or 10'.

#### Installation/ Mounting

Recessed Mounting with adjustable spring loaded retention tabs for secure fixture.

#### Controls/Dimming

0-10V Dimming (Dims to 10%)  
Tunable White between 2700K, 3000K, 3500K 4000K, 5000K.

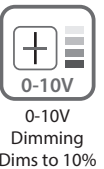


120~347VAC/0-10V Dimming

#### ThinTek™ Wafer S

3", 8W (500 lm)  
4", 10W (650 lm)  
4", 12W (850 lm)  
6", 12W (900 lm)  
6", 15W (1100 lm)  
8", 18W (1500 lm)

Projected L70: 50,000+ hours  
Warranty: 5 Years  
0-10V Dimming (10%)



## Ordering Information

### EXAMPLE: TWSF-0308-C-U

| Series                           | Size/Wattage  | CCT Switchable                    | Input Voltage/Control        |
|----------------------------------|---|-----------------------------------|------------------------------|
| TWSF - ThinTek Wafer Square Flat | 0308 - 3"/8W<br>0410 - 4"/10W<br>0412 - 4"/12W<br>0612 - 6"/12W<br>0615 - 6"/15W<br>0818 - 8"/18W | C - 2700K/3000K/3500K/4000K/5000K | U - 120~347VAC/ 0-10VDimming |
| Accessories                      |   |                                   |                              |

TW-EC03 (3' Extension Cable)  
TW-EC10 (10' Extension Cable)  
90016-H (16W High Voltage Emergency Battery Backup)  
90025-H (25W High Voltage Emergency Battery Backup)

Specifications and Dimensions subject to change without notice.

\*MOQ and longer lead times may apply, please contact customer service for more information.

Accessories options are purchased separately.

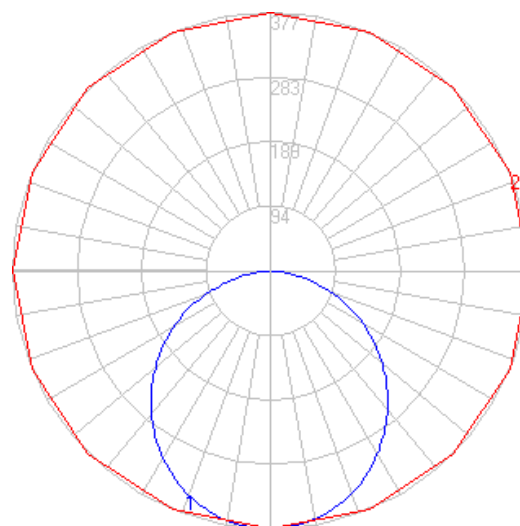
## Performance Information

|                  |                                   |
|------------------|-----------------------------------|
| Input Voltage    | 120~347VAC                        |
| Input Frequency  | 60Hz                              |
| Wattage          | See Performance Table             |
| Delivered Lumens | See Performance Table             |
| Efficacy         | See Performance Table             |
| CRI              | >90                               |
| Available CCT    | 2700K, 3000K, 3500K, 4000K, 5000K |
| Projected L70    | 50,000+ hours                     |
| Power Factor     | >0.9                              |
| THD              | <20%                              |
| Dimming          | 0-10V Dimming (Dims To 10%)       |
| Operating Temp.  | 32°~104°F                         |

## Photometric Data

6" 15W

\* IESNA LM-63 IES Available



## Performance Table

| SKU           | Size (in) | Wattage (W) | 5000K                 |                 |
|---------------|-----------|-------------|-----------------------|-----------------|
|               |           |             | Delivered Lumens (lm) | Efficacy (lm/W) |
| TWSF-0308-C-U | 3         | 8           | 500                   | 63              |
| TWSF-0410-C-U | 4         | 10          | 650                   | 65              |
| TWSF-0412-C-U | 4         | 12          | 850                   | 71              |
| TWSF-0612-C-U | 6         | 12          | 900                   | 75              |
| TWSF-0615-C-U | 6         | 15          | 1100                  | 73              |
| TWSF-0818-C-U | 8         | 18          | 1500                  | 83              |

## Product Dimensions

