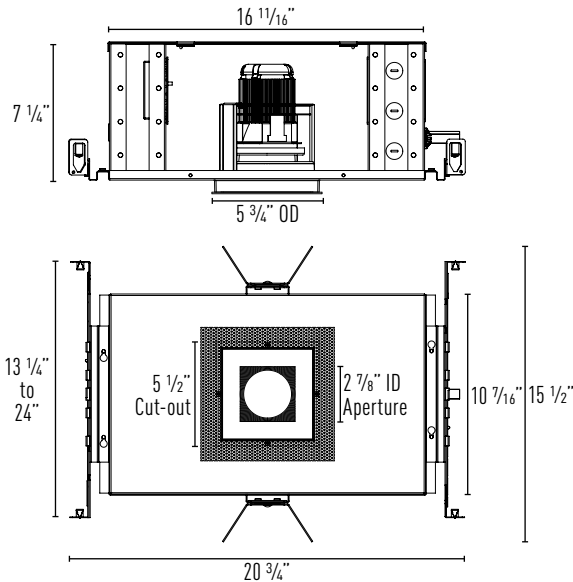




# IL-DSTL / STLD301

## LED Downlight Square Trimless Baffle



| Catalog Number | Delivered Lumens <sup>1</sup> | System Wattage <sup>2</sup> |
|----------------|-------------------------------|-----------------------------|
| IL-DSTL-L1     | 523 lm @ 3000K                | 12.9W                       |
| IL-DSTL-L2     | 708 lm @ 3000K                | 19W                         |
| IL-DSTL-L3     | 892 lm @ 3000K                | 26.5W                       |
| IL-DSTL-L4     | 1069 lm @ 3000K               | 30.5W                       |

<sup>1</sup> Delivered lumens output will vary depending on CCT, CRI and optic selection.  
<sup>2</sup> System Wattage include driver and LED Module consumption.

### OPTICS

- Precise center beam optics
- Accessory holder can hold up-to 2 media
- 16° Spot, 24° Narrow Flood, 37° Flood and 60° Flood

### LED LIGHT ENGINE

- 2700K, 3000K, 3500K and 4100K 82 CRI
- 2700K and 3000K 92 CRI (R9 Value = 59)
- 3 Step MacAdam (3 SDMC)
- LED mounted to die-cast / extruded aluminum heat sink w/ active cooling
- 50,000 hours average rated life at 70% output
- LED light engine, SynJet and driver are all accessible from below the ceiling

### THERMAL MANAGEMENT

- L3 & L4 utilizes active thermal management with quiet and reliable operation noise rating below 22dBA. 100K hour lifetime.
- L1 & L2 utilizes passive cooling

### ELECTRICAL SYSTEM

- Power factor >.9, 50/60Hz
- Multiple dimming drivers available
- This product complies with IEEE C62.41 for surge endurance up to 2.5KV. Additional surge protection recommended. Damage from power surge is not covered by warranty.

### HOUSING

Heavy duty black powder coated .18 gauge steel frame. Standard plaster frame accommodates 5/8" ceiling thickness. Specify -1 for ceiling thickness up to 1". Junction box and driver are located on opposite ends of the housing, with easy access for maintenance and installation.

### TRIM SPECIFICATION

Phenolic 1.2mm thick baffle, available in black or white. Includes spring loaded ball catchers for smooth and seamless mounting. Perforated mesh frame provided, adheres to joint compound for seamless and trimless mounting.

### INSTALLATION

Housing types include IC Air-Tight, CCEA (Chicago Plenum), or Non-IC Rated (must specify). Non-IC rated housings must be kept at a minimum of 3" away from insulation. Butterfly brackets and adjustable hanger bars (14"-25") with integral nail included. Butterfly brackets are compatible with C-channel, flat bar hanger and EMT. C-channel is recommended for T-bar ceilings. C-Channel and flat bar hangers must be ordered separately.

### EMERGENCY BACKUP

Remote test switch included. Emergency driver operates LED load of up to 7.0 Watts at a nominal 450 lumens for a minimum of 90 minutes. See submittal sheet IB-BSL17C-C2 for specifications.

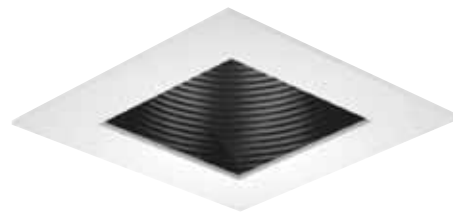
### ACCESSORIES

Integral accessory holder accommodates (2) diffusion or color filters. See accessory submittal sheet for options. Accessory holder included with luminaire.

### LISTING / WARRANTY

- 10 Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for damp locations
- (-AIC Only) Air Tight Certified ASTM E283
- (-AIC Only) ETL listed for direct contact w/ insulation
- (-CP Only) CCEA Chicago Plenum

| JOB NAME |  | CATALOG NUMBER |  |
|----------|--|----------------|--|
| NOTES    |  | TYPE           |  |



### Housing Specification:

Example: IL-DSTL-NCL227D10V-16-EM

**SERIES**  
 Non-IC LED **IL-DSTL-NC**  
 Air Tight IC LED **IL-DSTL-AIC**  
 CCEA LED **IL-DSTL-CP**

**WATTAGE**  
 13 Watts **L1**  
 19 Watts **L2**  
 27 Watts **L3**  
 31 Watts **L4**

**CCT / CRI**  
 2700K / 82 CRI **27**  
 2700K / 92 CRI **279**<sup>1</sup>  
 3000K / 82 CRI **30**  
 3000K / 92 CRI **309**<sup>1</sup>  
 3500K / 82 CRI **35**  
 4100K / 82 CRI **41**

**DIMMING**  
 Non-Dimming blank  
 ELV Dimming **DELV**<sup>2</sup>  
 0-10V Dimming 10% **D10V**  
 eLdoLED 0-10V 1% **ED10V1**  
 eLdoLED 0-10V 0.1% **ED10V01**  
 Lutron Hi-Lume<sup>®</sup> 1% **LUT1**  
 Lutron EcoSystem<sup>®</sup> 1% **LUT**  
 Lutron EcoSystem<sup>®</sup> 5% **LUT5**  
 eLdoLED DALI 1% **EDALI1**  
 eLdoLED DALI 0.1% **EDALI01**

**VOLTAGE**  
 120V blank  
 277V **27**

**OPTIC**  
 16° Spot **-16**  
 24° Narrow Flood **-24**  
 37° Flood **-37**  
 60° Flood **-60**

**ACCESSORIES**  
 Emergency Backup **-EM**<sup>3</sup>  
 C-Channel Bar Hangers **-I100**  
 Flat Bar Hangers **-I200**

### Trim Specification:

Example: STLD301W

**SERIES**  
 Square Trimless **STLD301**  
 Baffle

**BAFFLE FINISH**  
 Black **B**  
 White **W**

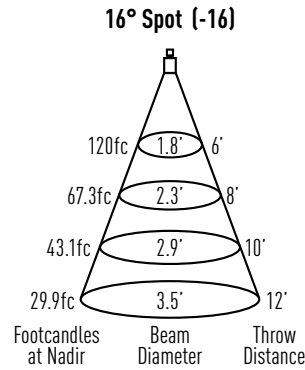
- Notes:
1. 97 CRI special order, consult factory
  2. Available in 120V only
  3. Access above ceiling required



|          |  |                |  |
|----------|--|----------------|--|
| JOB NAME |  | CATALOG NUMBER |  |
| NOTES    |  | TYPE           |  |

## IL-DSTL-L130 / STLD301B

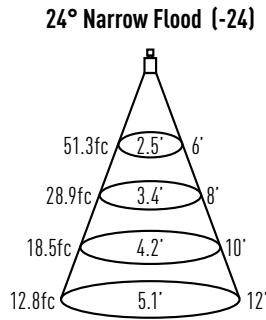
Report #: L02136402 (-16)  
L02136405 (-24)  
L02136411 (-37)  
L02136408 (-60)



Watts: 12.91  
Lumens: 518.53  
LPW: 40.17

Candelas at Nadir

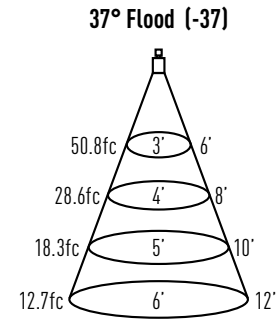
| Degree | CBCP    |
|--------|---------|
| 0°     | 4306.5  |
| 5°     | 3278.08 |
| 15°    | 687.11  |
| 25°    | 11.77   |
| 35°    | 3.35    |
| 45°    | 2.05    |



Watts: 12.52  
Lumens: 372.44  
LPW: 29.75

Candelas at Nadir

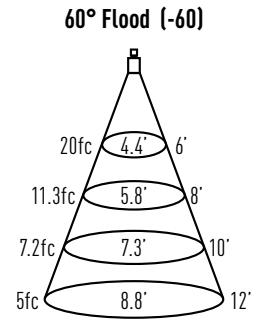
| Degree | CBCP    |
|--------|---------|
| 0°     | 1848.05 |
| 5°     | 1687.45 |
| 15°    | 657.23  |
| 25°    | 11.52   |
| 35°    | 2.02    |
| 45°    | 1.57    |



Watts: 12.72  
Lumens: 499.73  
LPW: 39.3

Candelas at Nadir

| Degree | CBCP    |
|--------|---------|
| 0°     | 1828.83 |
| 5°     | 1790.68 |
| 15°    | 896     |
| 25°    | 31.98   |
| 35°    | 2.73    |
| 45°    | 1.82    |



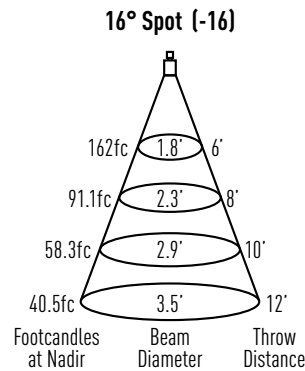
Watts: 12.74  
Lumens: 445.13  
LPW: 34.94

Candelas at Nadir

| Degree | CBCP   |
|--------|--------|
| 0°     | 721.51 |
| 5°     | 715.05 |
| 15°    | 679.16 |
| 25°    | 231.7  |
| 35°    | 57.17  |
| 45°    | 2.56   |

## IL-DSTL-L230 / STLD301B

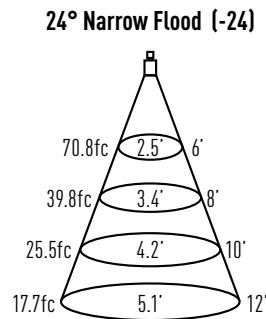
Report #: L02136402 (-16)  
L02136405 (-24)  
L02136411 (-37)  
L02136408 (-60)



Watts: 18.97  
Lumens: 702.35  
LPW: 37.02

Candelas at Nadir

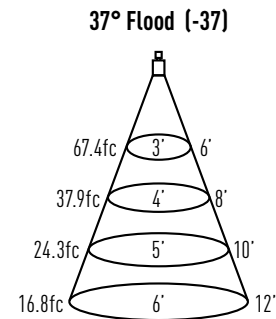
| Degree | CBCP    |
|--------|---------|
| 0°     | 5833.19 |
| 5°     | 4440.2  |
| 15°    | 930.69  |
| 25°    | 15.94   |
| 35°    | 4.54    |
| 45°    | 2.77    |



Watts: 18.31  
Lumens: 513.35  
LPW: 28.04

Candelas at Nadir

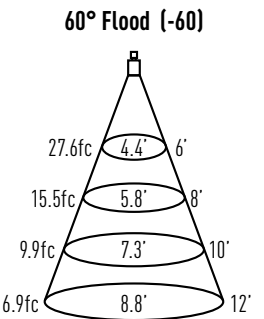
| Degree | CBCP    |
|--------|---------|
| 0°     | 2547.27 |
| 5°     | 2325.9  |
| 15°    | 905.9   |
| 25°    | 15.87   |
| 35°    | 2.78    |
| 45°    | 2.17    |



Watts: 18.61  
Lumens: 662.92  
LPW: 35.62

Candelas at Nadir

| Degree | CBCP    |
|--------|---------|
| 0°     | 2426.07 |
| 5°     | 2375.46 |
| 15°    | 1188.61 |
| 25°    | 42.42   |
| 35°    | 3.63    |
| 45°    | 2.42    |



Watts: 18.64  
Lumens: 613.8  
LPW: 32.93

Candelas at Nadir

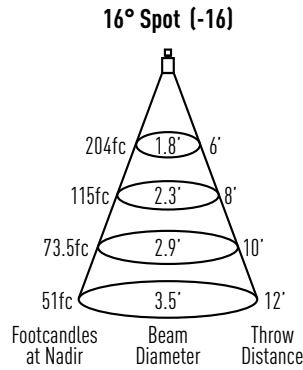
| Degree | CBCP   |
|--------|--------|
| 0°     | 994.92 |
| 5°     | 986.01 |
| 15°    | 936.53 |
| 25°    | 319.49 |
| 35°    | 78.83  |
| 45°    | 3.52   |

To determine lux: Divide FC by 0.0929030436  
(Example: 42fc / 0.0929030436 = 452.08 lux)

|          |  |                |  |
|----------|--|----------------|--|
| JOB NAME |  | CATALOG NUMBER |  |
|          |  |                |  |
| NOTES    |  | TYPE           |  |

## IL-DSTL-L330 / STLD301B

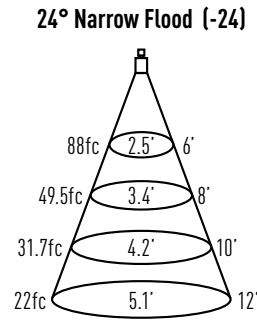
Report #: L02136402 (-16)  
L02136405 (-24)  
L02136411 (-37)  
L02136408 (-60)



Watts: 26.48  
Lumens: 884.67  
LPW: 33.4

Candelas at Nadir

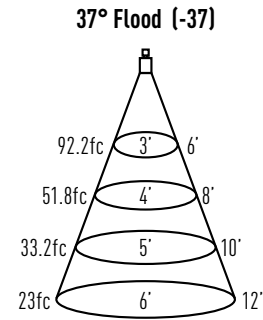
| Degree | CBCP    |
|--------|---------|
| 0°     | 7347.41 |
| 5°     | 5592.81 |
| 15°    | 1172.28 |
| 25°    | 20.08   |
| 35°    | 5.71    |
| 45°    | 3.49    |



Watts: 25.51  
Lumens: 638.46  
LPW: 25.03

Candelas at Nadir

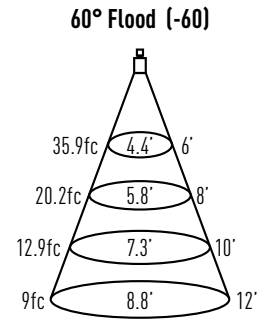
| Degree | CBCP    |
|--------|---------|
| 0°     | 3168.08 |
| 5°     | 2892.76 |
| 15°    | 1126.68 |
| 25°    | 19.74   |
| 35°    | 3.46    |
| 45°    | 2.69    |



Watts: 25.84  
Lumens: 906.63  
LPW: 35.09

Candelas at Nadir

| Degree | CBCP    |
|--------|---------|
| 0°     | 3317.93 |
| 5°     | 3248.72 |
| 15°    | 1625.56 |
| 25°    | 58.02   |
| 35°    | 4.96    |
| 45°    | 3.3     |



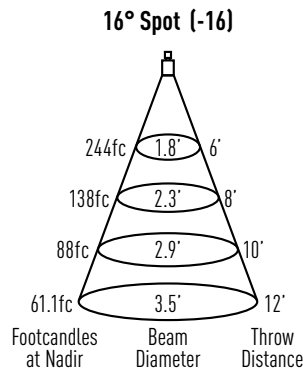
Watts: 25.89  
Lumens: 797.56  
LPW: 30.81

Candelas at Nadir

| Degree | CBCP    |
|--------|---------|
| 0°     | 1292.77 |
| 5°     | 1281.2  |
| 15°    | 1216.9  |
| 25°    | 415.14  |
| 35°    | 102.44  |
| 45°    | 4.58    |

## IL-DSTL-L430 / STLD301B

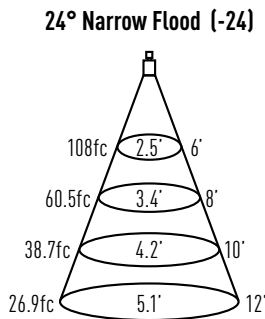
Report #: L02136402 (-16)  
L02136405 (-24)  
L02136411 (-37)  
L02136408 (-60)



Watts: 30.44  
Lumens: 1059.49  
LPW: 34.81

Candelas at Nadir

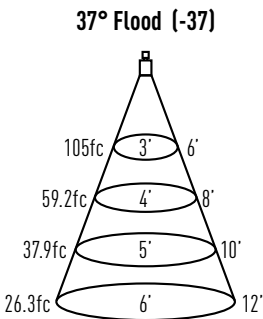
| Degree | CBCP    |
|--------|---------|
| 0°     | 8799.34 |
| 5°     | 6698.01 |
| 15°    | 1403.94 |
| 25°    | 24.05   |
| 35°    | 6.84    |
| 45°    | 4.18    |



Watts: 30.16  
Lumens: 780.12  
LPW: 25.87

Candelas at Nadir

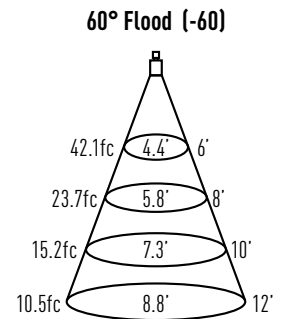
| Degree | CBCP    |
|--------|---------|
| 0°     | 3870.99 |
| 5°     | 3534.58 |
| 15°    | 1376.66 |
| 25°    | 24.12   |
| 35°    | 4.23    |
| 45°    | 3.29    |



Watts: 30.63  
Lumens: 1034.87  
LPW: 33.79

Candelas at Nadir

| Degree | CBCP    |
|--------|---------|
| 0°     | 3787.26 |
| 5°     | 3708.26 |
| 15°    | 1855.5  |
| 25°    | 66.22   |
| 35°    | 5.66    |
| 45°    | 3.77    |



Watts: 30.71  
Lumens: 934.79  
LPW: 30.44

Candelas at Nadir

| Degree | CBCP    |
|--------|---------|
| 0°     | 1515.21 |
| 5°     | 1501.65 |
| 15°    | 1426.28 |
| 25°    | 486.57  |
| 35°    | 120.06  |
| 45°    | 5.37    |

To determine lux: Divide FC by 0.0929030436  
(Example: 42fc / 0.0929030436 = 452.08 lux)



# Impression Accessories

Downlight Trim Accessories

|          |  |                |  |
|----------|--|----------------|--|
| JOB NAME |  | CATALOG NUMBER |  |
|          |  |                |  |
| NOTES    |  | TYPE           |  |

## Impression Accessories

| Catalog Number | Description |
|----------------|-------------|
|----------------|-------------|



### IMPRESSION DOWNLIGHT ACCESSORIES

|             |                       |
|-------------|-----------------------|
| PFL-CL1-S16 | Prismatic Spread Lens |
| PFL-CL2-S16 | Linear Spread Lens    |
| PFL-CL4-S16 | Solite Lens           |
| PL-CL5-S16  | Amber Lens            |
| PL-CL6-S16  | Red Lens              |
| PL-CL9-S16  | Blue Lens             |
| PFLMB-16    | Black Louver          |



# DIMMING COMPATIBILITY

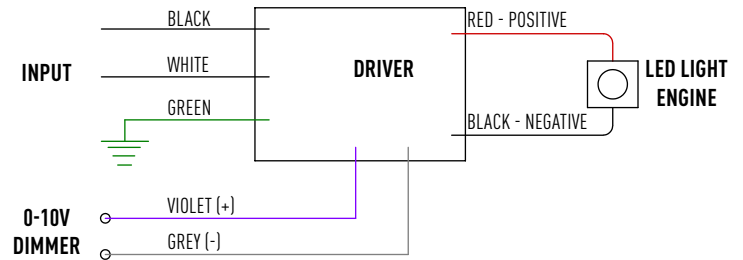
|          |  |                |  |
|----------|--|----------------|--|
| JOB NAME |  | CATALOG NUMBER |  |
| NOTES    |  | TYPE           |  |

## 0-10V DIMMING (10% Dimming, eldoLED 1%, eldoLED 0.1%)

- 120V/277V
- Dims down to 10% light output
- Consult dimming manufacturer for installation instructions and power packs

### COMPATIBLE DIMMERS

| Manufacturer | Part Number(s)  |
|--------------|---|
| HUNT         | PS-010-IV-120V, PS-010-WH-120V, PS-010-3W-IV-120, PS-010-3W-WH-120V, PS-010-IV-277V, PS-010-WH-277V, PS-010-3W-IV-277V, PS-010-3W-WH-277V, FD-010: PS-IFC-010-IV, PS-IFC-010-WH-120/277V, FD-010: PS-IFC-010-3W-IV, PS-IFC-010-3W-WH-120/277V, FD-010-120V, FD-010-277V |
| Leviton      | Leviton Centura Fluorescent Control System, IllumaTech™ IP7 Series, DPSPE-212   |
| Lightolier   | ZP600FAM120, MP1500FAM120, V2000FAMU  |
| Lithonia     | LEQ BC, LEQ LVBC, SLD LVBC, SQ1DC   |
| Lutron       | DVTV, NTFTV   |
| Synergy      | ISD BC 120/277  |

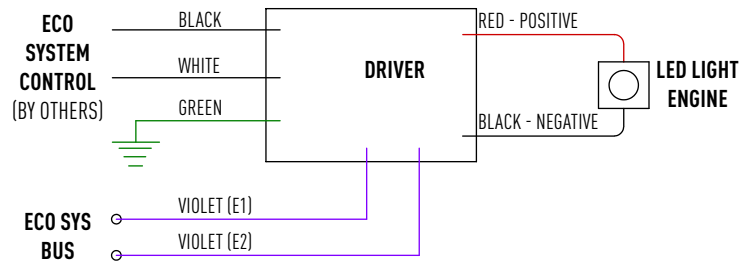


## LUTRON ECOSYSTEM® DIMMING

- 120V or 277V
- Dims down to less than 1% or 5% light output
- Consult dimming manufacturer for installation instructions

### COMPATIBLE DIMMERS

| Product   | Part Number(s)   |
|-----------|--|
| EcoSystem | CS-1L-WM, CS-2L-WM, CS-1L-CM, CS-2L-CM, EcoSystem ESN, Grafik Eye QS with EcoSystem, Quantum |



## LUTRON HI-LUME® DIMMING

- 120V or 277V
- Dims down to less than 1% light output
- Consult dimming manufacturer for installation instructions

### COMPATIBLE DIMMERS

| Product          | Part Number(s)                                    |
|------------------|---|
| NovaT            | NTF-10, NTF-103P, NTF-103P-277, NTF-10-277        |
| Nova             | NF-10, NF-103P, NF-103P-277, NF-10-277            |
| Vareo            | VF-10   |
| Skylark          | SF-10P, SF-12P-277, SF-12P-277-3, SF-103P         |
| Diva             | DVF-103, DVF-103P-277, DVSCF-103P, DVSCF-103P-277 |
| Ariadni          | AYF-103P, AYF-103P-277                            |
| Vierti           | VTF-6AM   |
| Maestro          | MAF-6AM, MAF-6AM-277, MSCF-6AM, MCSF-6AM-277      |
| Maestro Wireless | MRF2-F6AN-DV                                      |
| Spacer System    | SPSF-6A, SPSF-6A-277, SPSF-6AM, SPSF-6AM-277      |
| Lyneo            | LXF-103PL, LXF-103PL-277                          |
| Radio RA 2       | RRD-F6AN-DV                                       |
| HomeWorks QS     | HQRD-F6AN-DV                                      |

