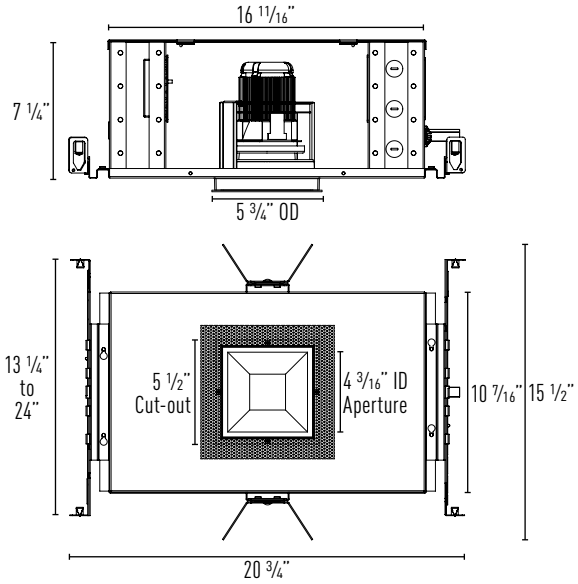
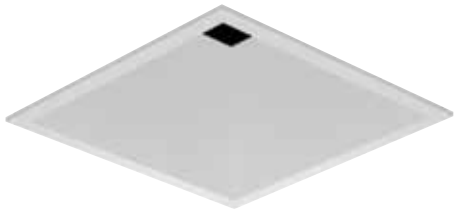
IL-DSTL / STLD300

LED Downlight Square Trimless
Open Reflector

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	





Catalog Number	Delivered Lumens [1]	System Wattage [2]
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

[1] Delivered lumens output will vary depending on CCT, CRI and optic selection.
[2] 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
Reflector available in matte black or matte white. Includes spring loaded ball catchers for smooth and seamless mounting. Perforated mesh frame provided, adheres to joint compound for seamless and trimless mounting. Meets RP-1 requirements with controlled light distribution at a 55° cut off.

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

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** [1]
3000K / 82 CRI	**30**
3000K / 92 CRI	**309** [1]
3500K / 82 CRI	**35**
4100K / 82 CRI	**41**

DIMMING

Non-Dimming	blank
ELV Dimming	**DELV** [2]
0-10V Dimming 10%	**D10V**
eldoLED 0-10V 1%	**ED10V1**
eldoLED 0-10V 0.1%	**ED10V01**
Lutron Hi-Lume® 1%	**LUT1**
Lutron EcoSystem® 1%	**LUT**
Lutron EcoSystem® 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** [3]
C-Channel Bar Hangers	**-I100**
Flat Bar Hangers	**-I200**

Trim Specification:

Example: STLD300W

SERIES

Square Trimless Open Reflector	**STLD300**

REFLECTOR FINISH

Matte Black	**B**
Matte White	**W**

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

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Note: Specifications and dimensions subject to change without notice.

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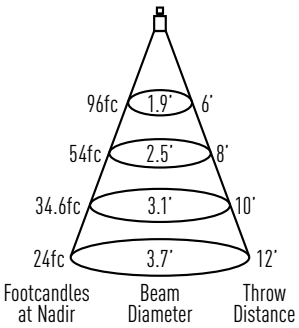
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

IL-DSTL-L130 / STLD300W

Report #: L02136401 (-16)
L02136404 (-24)
L02136410 (-37)
L02136407 (-60)

16° Spot (-16)

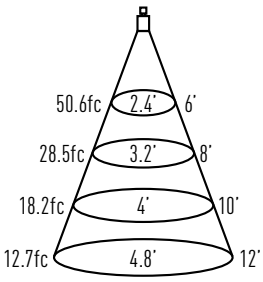


Watts: 12.93
Lumens: 523.05
LPW: 40.45
CCT: 3214K
CRI: 82.7

Candelas at Nadir

Degree	CBCP
0°	3458.8
5°	2807.51
15°	719.23
25°	82.16
35°	5.99
45°	3.31

24° Narrow Flood (-24)

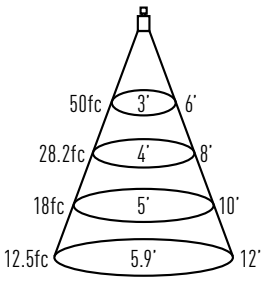


Watts: 12.52
Lumens: 403.45
LPW: 32.23
CCT: 3230K
CRI: 82.9

Candelas at Nadir

Degree	CBCP
0°	1823.19
5°	1638.52
15°	656.95
25°	64.22
35°	12.81
45°	2

37° Flood (-37)

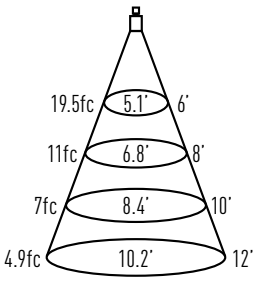


Watts: 12.69
Lumens: 555.52
LPW: 43.79
CCT: 3231K
CRI: 82.3

Candelas at Nadir

Degree	CBCP
0°	1801.64
5°	1718.3
15°	891.14
25°	205.06
35°	3.2
45°	2.23

60° Flood (-60)



Watts: 12.72
Lumens: 575.5
LPW: 45.24
CCT: 3112K
CRI: 82

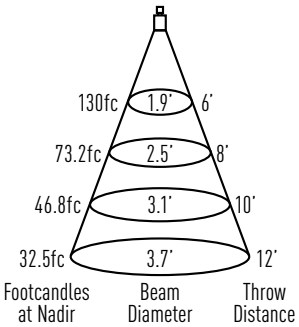
Candelas at Nadir

Degree	CBCP
0°	702.44
5°	698.98
15°	677.3
25°	383.58
35°	114.62
45°	9.47

IL-DSTL-L230 / STLD300W

Report #: L02136401 (-16)
L02136404 (-24)
L02136410 (-37)
L02136407 (-60)

16° Spot (-16)

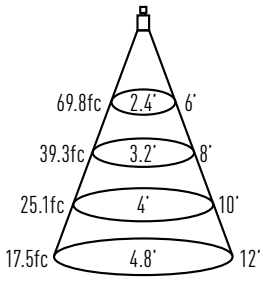


Watts: 19.01
Lumens: 708.47
LPW: 37.27
CCT: 3243K
CRI: 82

Candelas at Nadir

Degree	CBCP
0°	4685
5°	3802.8
15°	974.21
25°	111.29
35°	8.11
45°	4.48

24° Narrow Flood (-24)

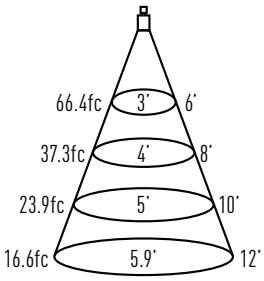


Watts: 18.31
Lumens: 556.1
LPW: 30.37
CCT: 3204K
CRI: 82.4

Candelas at Nadir

Degree	CBCP
0°	2513
5°	2258.46
15°	905.51
25°	88.52
35°	17.65
45°	2.75

37° Flood (-37)

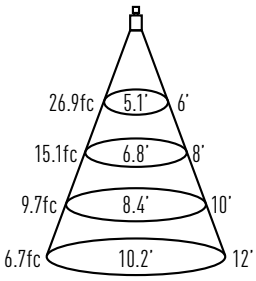


Watts: 18.57
Lumens: 736.94
LPW: 39.68
CCT: 3254K
CRI: 82.6

Candelas at Nadir

Degree	CBCP
0°	2390
5°	2279.45
15°	1182.16
25°	272.02
35°	4.25
45°	2.96

60° Flood (-60)



Watts: 18.61
Lumens: 793.58
LPW: 42.65
CCT: 3165K
CRI: 82.1

Candelas at Nadir

Degree	CBCP
0°	968.61
5°	963.85
15°	933.95
25°	528.93
35°	158.06
45°	13.06

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

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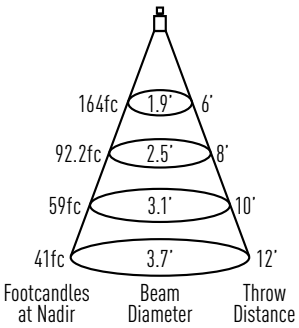
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

IL-DSTL-L330 / STLD300W

Report #: L02136401 (-16)
L02136404 (-24)
L02136410 (-37)
L02136407 (-60)

16° Spot (-16)

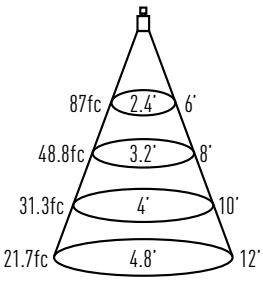


Watts: 26.5
Lumens: 892.38
LPW: 33.63
CCT: 3326K
CRI: 82.8

Candelas at Nadir

Degree	CBCP
0°	5901.1
5°	4790
15°	1227.1
25°	140.18
35°	10.21
45°	5.64

24° Narrow Flood (-24)

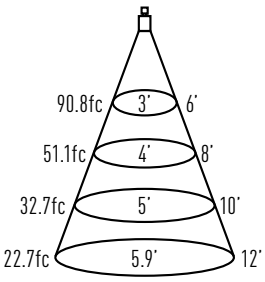


Watts: 25.51
Lumens: 691.63
LPW: 27.12
CCT: 3183K
CRI: 82

Candelas at Nadir

Degree	CBCP
0°	3125.46
5°	2808.88
15°	1126.19
25°	110.09
35°	21.95
45°	3.43

37° Flood (-37)

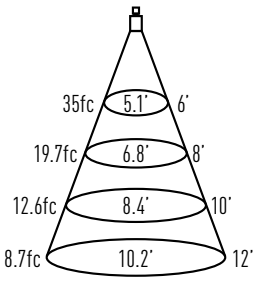


Watts: 25.78
Lumens: 1007.85
LPW: 39.1
CCT: 3300K
CRI: 82.4

Candelas at Nadir

Degree	CBCP
0°	3268.6
5°	3117.4
15°	1616.74
25°	372.02
35°	5.81
45°	4.05

60° Flood (-60)



Watts: 25.84
Lumens: 1031.15
LPW: 39.9
CCT: 3152K
CRI: 81.4

Candelas at Nadir

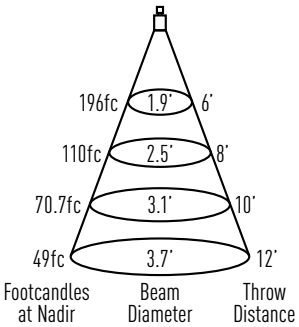
Degree	CBCP
0°	1258.59
5°	1252.4
15°	1213.55
25°	687.28
35°	205.38
45°	16.97

IL-DSTL-L430 / STLD300W

Report #: L02136401 (-16)
L02136404 (-24)
L02136410 (-37)
L02136407 (-60)

LM-79-08 IESNA

16° Spot (-16)

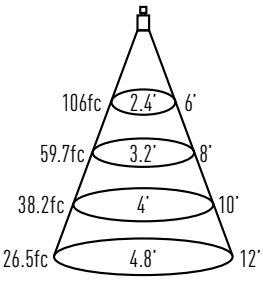


Watts: 30.5
Lumens: 1068.73
LPW: 35.05
CCT: 3186K
CRI: 82.2

Candelas at Nadir

Degree	CBCP
0°	7067.27
5°	5736.5
15°	1469.59
25°	167.88
35°	12.23
45°	6.76

24° Narrow Flood (-24)

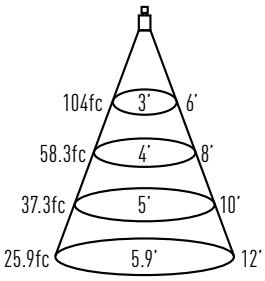


Watts: 30.16
Lumens: 845.09
LPW: 28.02
CCT: 3178K
CRI: 82.4

Candelas at Nadir

Degree	CBCP
0°	3818.91
5°	3432.1
15°	1376.07
25°	134.52
35°	26.83
45°	4.19

37° Flood (-37)

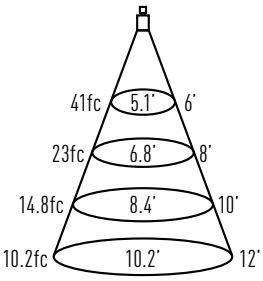


Watts: 30.56
Lumens: 1150.41
LPW: 37.64
CCT: 3195K
CRI: 82.3

Candelas at Nadir

Degree	CBCP
0°	3730.95
5°	3558.37
15°	1845.43
25°	424.64
35°	6.64
45°	4.63

60° Flood (-60)



Watts: 30.66
Lumens: 1208.58
LPW: 39.42
CCT: 3146K
CRI: 82.2

Candelas at Nadir

Degree	CBCP
0°	1475.15
5°	1467.89
15°	1422.36
25°	805.54
35°	240.72
45°	19.89

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

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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

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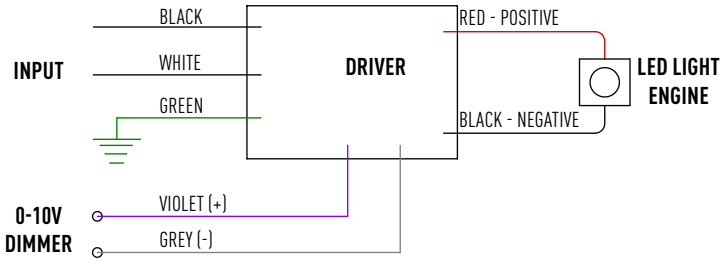
DIMMING COMPATIBILITY

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

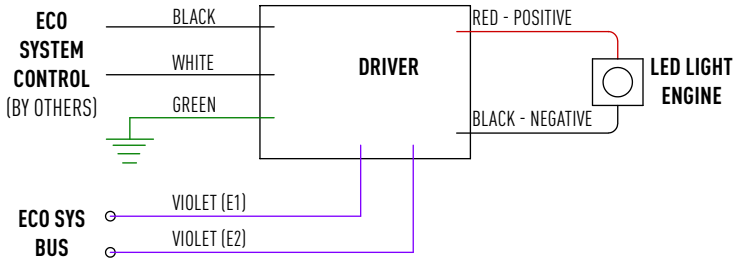


COMPATIBLE DIMMERS

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

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