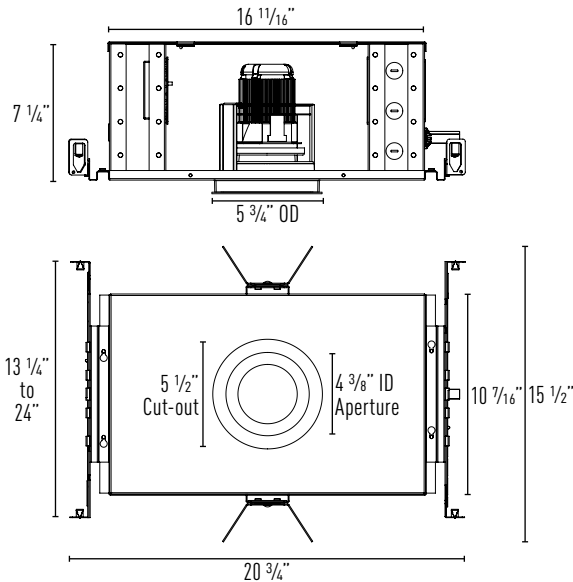




IL-DRTR / RTRD300

LED Downlight Round Trim
Open Reflector



Catalog Number	Delivered Lumens ¹	System Wattage ²
IL-DRTR-L1	862 lm @ 3000K	13.3W
IL-DRTR-L2	1168 lm @ 3000K	19.6W
IL-DRTR-L3	1471 lm @ 3000K	27.3W
IL-DRTR-L4	1761 lm @ 3000K	31.4W

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

Specification grade reflectors made in the USA. Reflector available in specular black, specular clear, haze or matte white. Architectural, discrete polished self flange or painted white flange options available.

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 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-DRTR-NCL227D10V-16-EM

SERIES

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

WATTAGE

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

CCT / CRI

2700K / 82 CRI **27**
2700K / 92 CRI **279¹**
3000K / 82 CRI **30**
3000K / 92 CRI **309¹**
3500K / 82 CRI **35**
4100K / 82 CRI **41**

DIMMING

Non-Dimming blank
ELV Dimming **DELV²**
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

Plaster Frame up to 1" **-1**
Emergency Backup **-EM³**
C-Channel Bar Hangers **-I100**
Flat Bar Hangers **-I200**

Trim Specification:

Example: RTRD300W-SF

SERIES

Round Trimmed **RTRD300**
Open Reflector

REFLECTOR FINISH

Specular Black **B**
Specular Clear **C**
Haze **HZ**
Matte White **W⁴**

TRIM

Self Flanged **-SF**
Self Flanged White **-SFW**

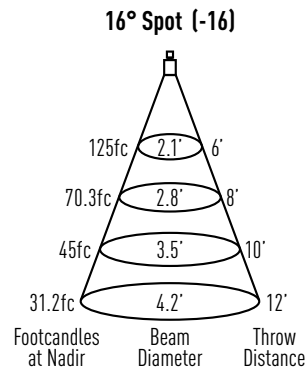
Notes:

1. 97 CRI special order, consult factory
2. Available in 120V only
3. Access above ceiling required
4. Matte white reflector may only be specified with self flange trim

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

IL-DRTR-L130 / RTRD300HZ

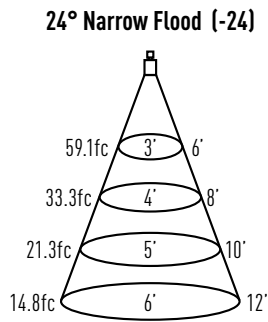
Report #: L02136301 (-16)
L02136304 (-24)
L02136310 (-37)
L02136307 (-60)



Watts: 13.33
Lumens: 862.22
LPW: 64.7
CCT: 3197K
CRI: 82.7

Candelas at Nadir

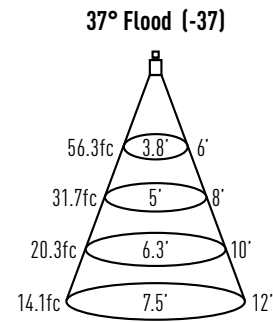
Degree	CBCP
0°	4499.16
5°	3769.45
15°	1380.14
25°	347.89
35°	7.72
45°	4.16



Watts: 12.95
Lumens: 606.47
LPW: 46.81
CCT: 3203K
CRI: 83

Candelas at Nadir

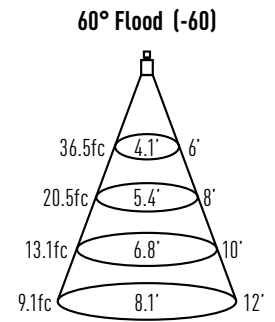
Degree	CBCP
0°	2128.77
5°	1887.68
15°	1092.79
25°	307.06
35°	14.22
45°	2.86



Watts: 13.12
Lumens: 769.44
LPW: 58.65
CCT: 3167K
CRI: 82.2

Candelas at Nadir

Degree	CBCP
0°	2027.17
5°	1947.5
15°	1488.75
25°	421.16
35°	5.15
45°	3.62



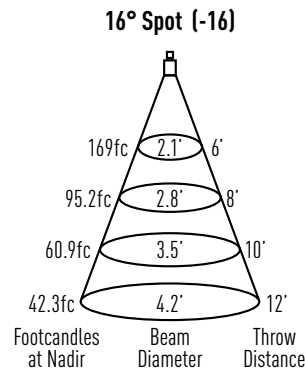
Watts: 13.14
Lumens: 726.92
LPW: 55.34
CCT: 3132K
CRI: 82.2

Candelas at Nadir

Degree	CBCP
0°	1313.78
5°	1231.87
15°	939.98
25°	594.99
35°	133.75
45°	12.14

IL-DRTR-L230 / RTRD300HZ

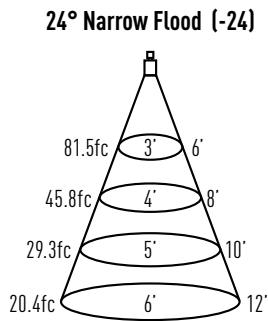
Report #: L02136301 (-16)
L02136304 (-24)
L02136310 (-37)
L02136307 (-60)



Watts: 19.59
Lumens: 1167.88
LPW: 59.62
CCT: 3227K
CRI: 82

Candelas at Nadir

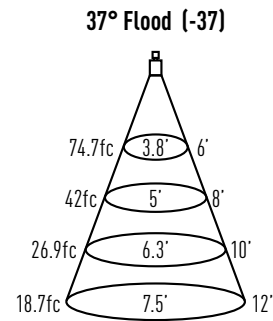
Degree	CBCP
0°	6094.16
5°	5105.75
15°	1869.41
25°	471.22
35°	10.46
45°	5.64



Watts: 18.95
Lumens: 835.93
LPW: 44.12
CCT: 3176K
CRI: 82.5

Candelas at Nadir

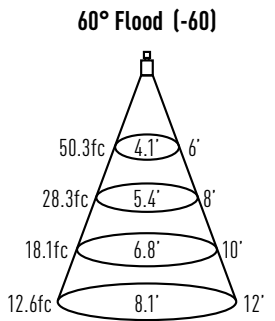
Degree	CBCP
0°	2934.2
5°	2601.89
15°	1506.26
25°	423.23
35°	19.6
45°	3.95



Watts: 19.2
Lumens: 1020.71
LPW: 53.15
CCT: 3189K
CRI: 82.5

Candelas at Nadir

Degree	CBCP
0°	2689.19
5°	2583.49
15°	1974.93
25°	558.7
35°	6.83
45°	4.81



Watts: 19.22
Lumens: 1002.38
LPW: 52.17
CCT: 3186K
CRI: 82.3

Candelas at Nadir

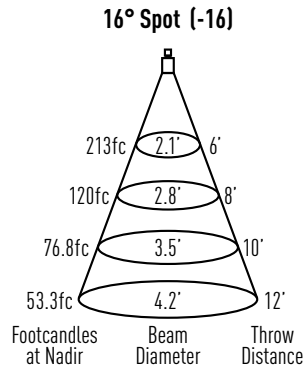
Degree	CBCP
0°	1811.62
5°	1698.68
15°	1296.17
25°	820.45
35°	184.44
45°	16.74

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

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

IL-DRTR-L330 / RTRD300HZ

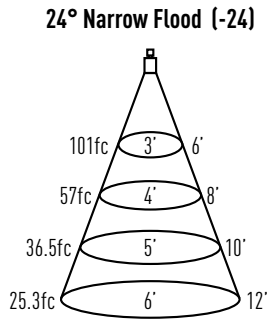
Report #: L02136301 (-16)
L02136304 (-24)
L02136310 (-37)
L02136307 (-60)



Watts: 27.34
Lumens: 1471.05
LPW: 53.8
CCT: 3309K
CRI: 82.8

Candelas at Nadir

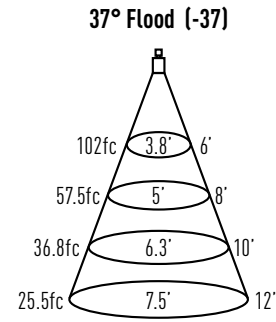
Degree	CBCP
0°	7676.12
5°	6431.14
15°	2354.69
25°	593.54
35°	13.17
45°	7.1



Watts: 26.4
Lumens: 1039.66
LPW: 39.39
CCT: 3156K
CRI: 82.1

Candelas at Nadir

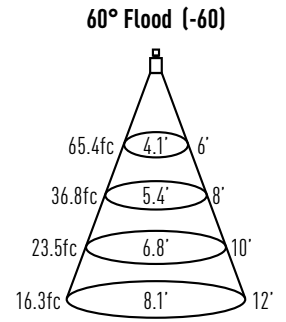
Degree	CBCP
0°	3649.32
5°	3236.02
15°	1873.35
25°	526.38
35°	24.37
45°	4.91



Watts: 26.65
Lumens: 1395.94
LPW: 52.37
CCT: 3235K
CRI: 82.3

Candelas at Nadir

Degree	CBCP
0°	3677.77
5°	3533.22
15°	2700.94
25°	764.09
35°	9.35
45°	6.57



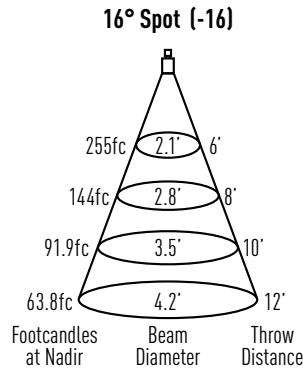
Watts: 26.69
Lumens: 1302.46
LPW: 48.81
CCT: 3173K
CRI: 81.56

Candelas at Nadir

Degree	CBCP
0°	2353.97
5°	2207.22
15°	1684.21
25°	1066.07
35°	239.65
45°	21.76

IL-DRTR-L430 / RTRD300HZ

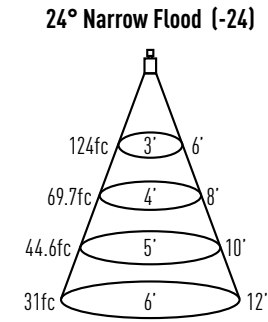
Report #: L02136301 (-16)
L02136304 (-24)
L02136310 (-37)
L02136307 (-60)



Watts: 31.43
Lumens: 1761.74
LPW: 56.05
CCT: 3170K
CRI: 82.2

Candelas at Nadir

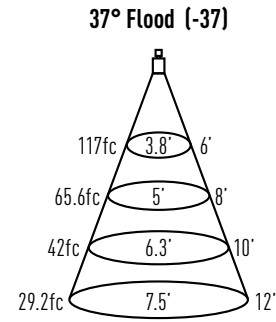
Degree	CBCP
0°	9193
5°	7702
15°	2820
25°	711
35°	16
45°	9



Watts: 31.21
Lumens: 1270.33
LPW: 40.7
CCT: 3151K
CRI: 82.5

Candelas at Nadir

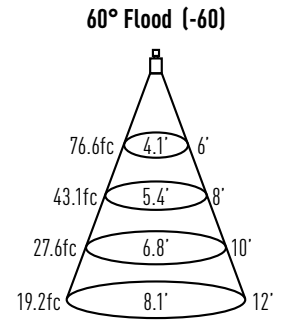
Degree	CBCP
0°	4459
5°	3954
15°	2289
25°	643
35°	30
45°	6



Watts: 31.6
Lumens: 1593.4
LPW: 50.43
CCT: 3132K
CRI: 82.2

Candelas at Nadir

Degree	CBCP
0°	4198
5°	4033
15°	3083
25°	1794
35°	11
45°	8



Watts: 31.66
Lumens: 1526.57
LPW: 48.22
CCT: 3167K
CRI: 82.4

Candelas at Nadir

Degree	CBCP
0°	2759
5°	2587
15°	1974
25°	1250
35°	281
45°	26

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
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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

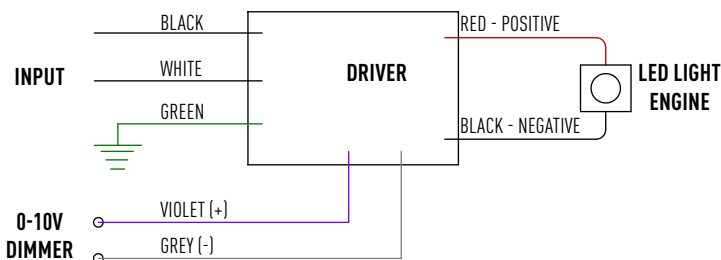
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

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

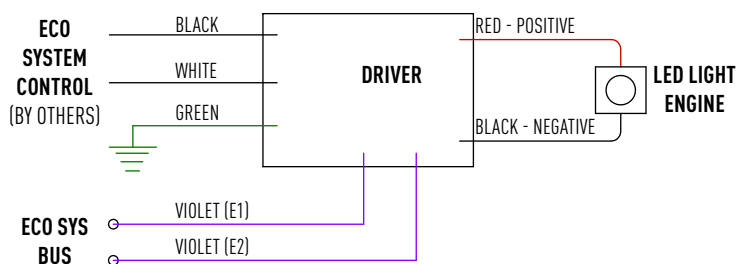


LUTRON ECOSYSTEM® DIMMING

- 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	RDR-F6AN-DV
HomeWorks QS	HQRD-F6AN-DV

