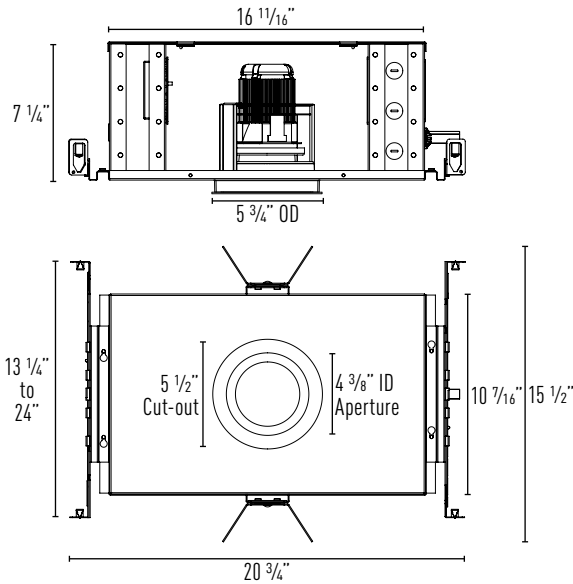




IL-DRTR / RTRD302

LED Downlight Round Trim
Reflector with Regressed Lens



Catalog Number	Delivered Lumens ¹	System Wattage ²
IL-DRTR-L1	711 lm @ 3000K	13.3W
IL-DRTR-L2	963 lm @ 3000K	19.6W
IL-DRTR-L3	1213 lm @ 3000K	27.3W
IL-DRTR-L4	1453 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 USA. 1/2" regressed lens available in three lens types; Sand Blasted, Clear Tempered or Solite. 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 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 wet 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% **ED10V0.1**
Lutron Hi-Lume[®] 1% **LUT1**
Lutron EcoSystem[®] 1% **LUT**
Lutron EcoSystem[®] 5% **LUT5**
eldoLED DALI 1% **EDALI1**
eldoLED DALI 0.1% **EDALI0.1**

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: RTRD302W-SF-SB

SERIES
Round Trimmed **RTRD302**
Reflector with
Regressed Lens

REFLECTOR FINISH

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

TRIM

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

LENS TYPE

Clear Tempered **-CR**
Sand Blasted **-SB**
Solite **-SL**

Notes:

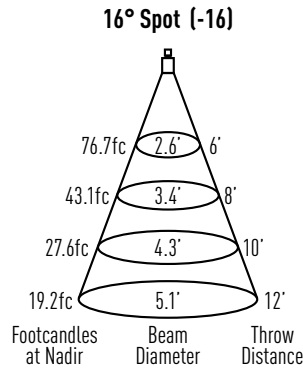
1. 97 CRI special order, consult factory
2. Available in 120V only
3. Access above ceiling required
4. Matte white reflector may only be specified with self flange trim



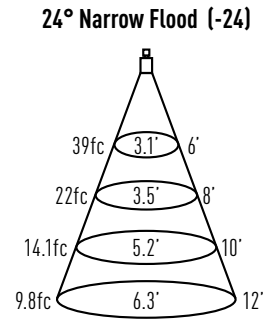
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

IL-DRTR-L130 / RTRD302HZ-SL

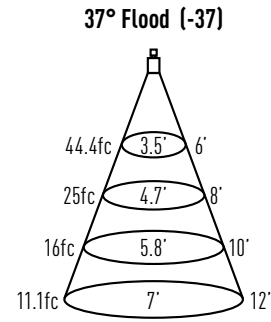
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L02136306 (-24)
L02136312 (-37)
L02136309 (-60)



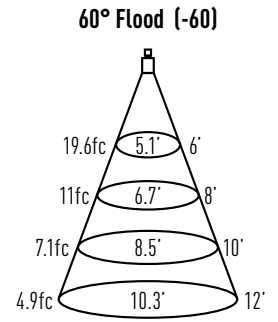
Watts: 13.32
Lumens: 711.11
LPW: 53.39



Watts: 12.98
Lumens: 478.95
LPW: 36.91



Watts: 13.09
Lumens: 629.21
LPW: 48.08



Watts: 13.13
Lumens: 562.84
LPW: 42.88

Candelas at Nadir	
Degree	CBCP
0°	2761.26
5°	2495.02
15°	1090.41
25°	251.56
35°	42.04
45°	15.17

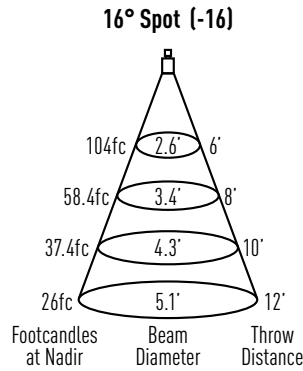
Candelas at Nadir	
Degree	CBCP
0°	1405.02
5°	1319.09
15°	756.22
25°	202.02
35°	35.33
45°	11.94

Candelas at Nadir	
Degree	CBCP
0°	1596.92
5°	1541.87
15°	1002.48
25°	293.12
35°	48.4
45°	15.21

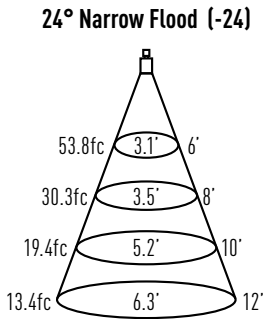
Candelas at Nadir	
Degree	CBCP
0°	707.13
5°	699.98
15°	645.22
25°	379.83
35°	130.1
45°	35.71

IL-DRTR-L230 / RTRD302HZ-SL

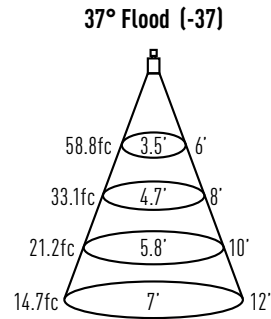
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L02136306 (-24)
L02136312 (-37)
L02136309 (-60)



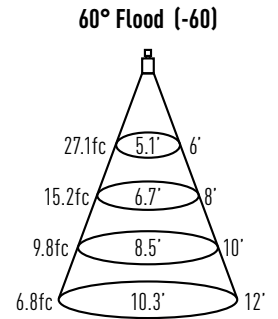
Watts: 19.58
Lumens: 963.21
LPW: 49.21



Watts: 18.98
Lumens: 660.16
LPW: 34.79



Watts: 19.15
Lumens: 834.68
LPW: 43.58



Watts: 19.2
Lumens: 776.13
LPW: 40.42

Candelas at Nadir	
Degree	CBCP
0°	3740.15
5°	3379.53
15°	1476.97
25°	340.74
35°	56.94
45°	20.55

Candelas at Nadir	
Degree	CBCP
0°	1936.61
5°	1818.17
15°	1042.34
25°	278.46
35°	48.7
45°	16.45

Candelas at Nadir	
Degree	CBCP
0°	2118.42
5°	2045.4
15°	1329.86
25°	388.84
35°	64.2
45°	20.18

Candelas at Nadir	
Degree	CBCP
0°	975.08
5°	965.23
15°	889.72
25°	523.76
35°	179.4
45°	49.25

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

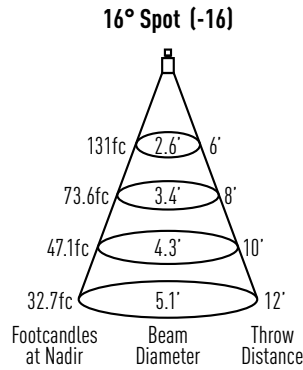
IMPRESSION L/M-2014-0918 P-8



JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

IL-DRTR-L330 / RTRD302HZ-SL

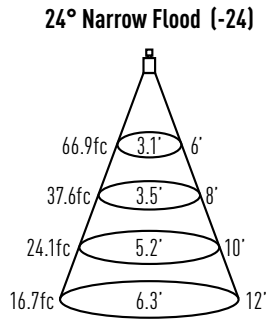
Report #: L02136303 (-16)
L02136306 (-24)
L02136312 (-37)
L02136309 (-60)



Watts: 27.33
Lumens: 1213.25
LPW: 44.4

Candelas at Nadir

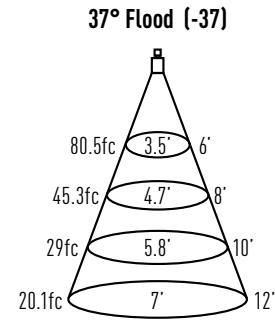
Degree	CBCP
0°	4711.05
5°	4256.81
15°	1860.37
25°	429.19
35°	71.72
45°	25.89



Watts: 26.44
Lumens: 821.05
LPW: 31.06

Candelas at Nadir

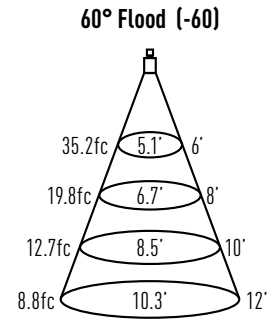
Degree	CBCP
0°	2408.6
5°	2261.28
15°	1296.37
25°	346.33
35°	60.56
45°	20.46



Watts: 26.59
Lumens: 1141.53
LPW: 42.94

Candelas at Nadir

Degree	CBCP
0°	2897.19
5°	2797.31
15°	1818.74
25°	531.78
35°	87.8
45°	27.6



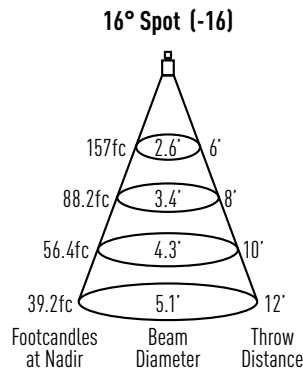
Watts: 26.67
Lumens: 1008.48
LPW: 37.81

Candelas at Nadir

Degree	CBCP
0°	1267
5°	1254.2
15°	1156.08
25°	680.57
35°	233.11
45°	63.99

IL-DRTR-L430 / RTRD302HZ-SL

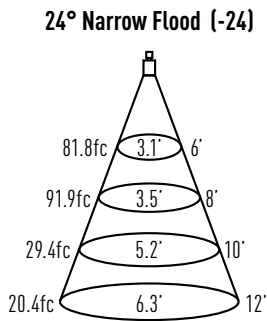
Report #: L02136303 (-16)
L02136306 (-24)
L02136312 (-37)
L02136309 (-60)



Watts: 31.41
Lumens: 1453
LPW: 46.26

Candelas at Nadir

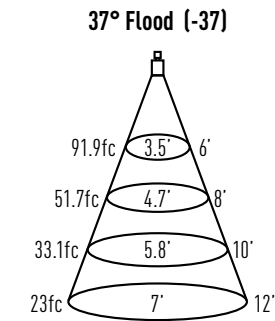
Degree	CBCP
0°	5642
5°	5098
15°	2228
25°	514
35°	86
45°	31



Watts: 31.26
Lumens: 1003.22
LPW: 32.09

Candelas at Nadir

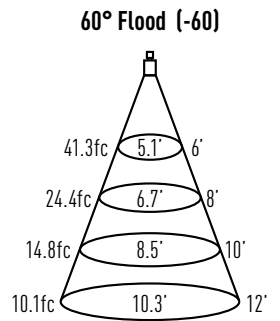
Degree	CBCP
0°	2943
5°	2763
15°	1584
25°	423
35°	74
45°	25



Watts: 31.52
Lumens: 1303
LPW: 41.34

Candelas at Nadir

Degree	CBCP
0°	3307
5°	3193
15°	2076
25°	607
35°	100
45°	32



Watts: 31.64
Lumens: 1182
LPW: 37.36

Candelas at Nadir

Degree	CBCP
0°	1485
5°	1470
15°	1355
25°	798
35°	273
45°	75

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

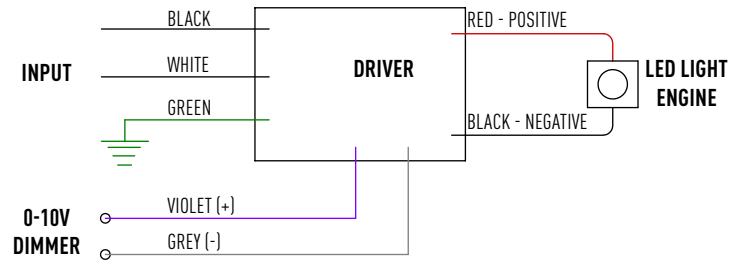
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

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

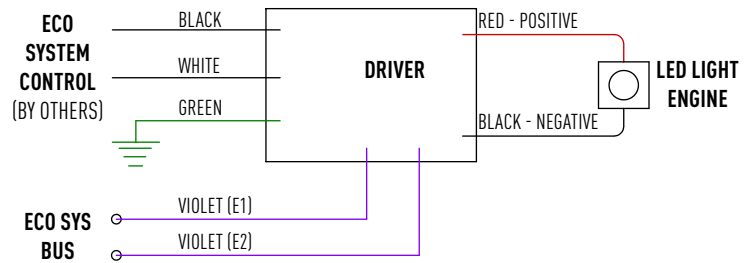


LUTRON ECOSYSTEM® DIMMING

- 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

