

2"/4"/ 6" LED External J-Box Downlight Canless Series



2"



4"



6"

LED-RDL-EX-2

WATT	LUMENS
4	275
6	410
8	560

LED-RDL-EX-4

WATT	LUMENS
8	560
10	700
12	960

LED-RDL-EX-6

WATT	LUMENS
12	700
15	1,000
18	1,500

Detail Specifications:

- Finish: White Smooth Standard
- Black, Bronze, Brushed Nickel (Smooth & Baffle options)
- Wet Location Rated
- Beam Angle: 100°
- Chip: SMD 2835, R9 >50, CRI >90
- 3 Step MacAdam Ellipses
- Operating Temperature: -40° - 114° F
- Lens: Frosted PC, non-yellowing
- Average life (L70) of 50,000 hours

Applications:

- General Recessed Lighting
- Residential & Multifamily
- Office and Meeting Rooms
- Education, Healthcare, Retail, Hospitality

Product Information:

- Select-n-Switch Technology: 5-CCT + 3-Power Selectable
- Metal housing and trim for better heat dissipation
- Optional emergency backup available: delivers full lumens in EM mode up to 25W
- Remote J-Box can be mounted up to 12' away from fixture
- SnapTrim Canless: Spring clips with remote j-box eliminates can

Driver Options:

- Voltage: 120V
- Triac Dimmable Down to 5%
- Built in 2.5Kv Surge Protector
- Flicker Free

Mounting & Installations:

- Cut Out Dimensions:
 - 2" 2-1/2"
 - 4": 4-1/4"
 - 6": 6-1/4"
- Optional new construction plate available
- This fixture does not fit into a recessed can
- No housing needed in remodel applications, tension clips mount into 1/2" to 1.5" thick ceiling
- Can be removed from below the ceiling for service or replacement
- Pre-wired junction box with circuit wiring built in (3 in / 3 out)

Certifications:

- ETL Listed for USA and CA
- Energy Star Certified
- CA Title 24 JA8-2022 CEC Listed
- 5 Year Limited Warranty
- FCC CFR 47, GCC Part 15, Subpart B:2017
- IC Rated and ASTM-E283 Air-Tight

Series

- LED-RDL-EX-2-3P8-5CCT-WH-SM
2" White Smooth • 8/6/4w
- LED-RDL-EX-4-3P12-5CCT-WH-SM
4" White Smooth • 8/10/12w
- LED-RDL-EX-6-3P18-5CCT-WH-SM
6" White Smooth • 12/15/18w

Emergency

- (Blank)
No Emergency Backup
- EMB
Emergency Backup

Optional Accessories (Order Separately)

4" Trim Options

- RDL-TRIM-4-BLK-SM
Black Smooth
- RDL-TRIM-4-BZ-SM
Bronze Smooth
- RDL-TRIM-4-BN-SM
Brushed Nickel Smooth
- RDL-TRIM-4-WH-BFL
White Baffle
- RDL-TRIM-4-BLK-BFL
Black Baffle
- RDL-TRIM-4-BZ-BFL
Bronze Baffle
- RDL-TRIM-4-BN-BFL
Brushed Nickel Baffle
- RDL-TRIM-4-CUSTOM
Custom Color

6" Trim Options

- RDL-TRIM-5/6-BLK-SM
Black Smooth
- RDL-TRIM-5/6-BZ-SM
Bronze Smooth
- RDL-TRIM-5/6-BN-SM
Brushed Nickel Smooth
- RDL-TRIM-5/6-WH-BFL
White Baffle
- RDL-TRIM-5/6-BLK-BFL
Black Baffle
- RDL-TRIM-5/6-BRZ-BFL
Bronze Baffle
- RDL-TRIM-5/6-BN-BFL
Brushed Nickel Baffle
- RDL-TRIM-5/6-CUSTOM
Custom Color

New Construction Plates

- CUNV-NC-ICAT-7H
Universal plate w/ hanging bars
- C4-JBX-RI
4" Rough in plate
- C6-JBX-RI
6" Rough in plate
- CUNV-JBX-RI-XL
Universal tough in plate. Extra long

Extension Cables

- JBX-EXT-6'-2PIN
6' extension
- JBX-EXT-10'-2PIN
10' extension
- JBX-EXT-12'-2PIN
12' extension

Emergency Backup 1

- LED-EMB-15W-HV
-0/10V-2P
Up to 14W fixtures
- LED-EMB-25W-HV
-0/10V-2P
Up to 24W fixtures

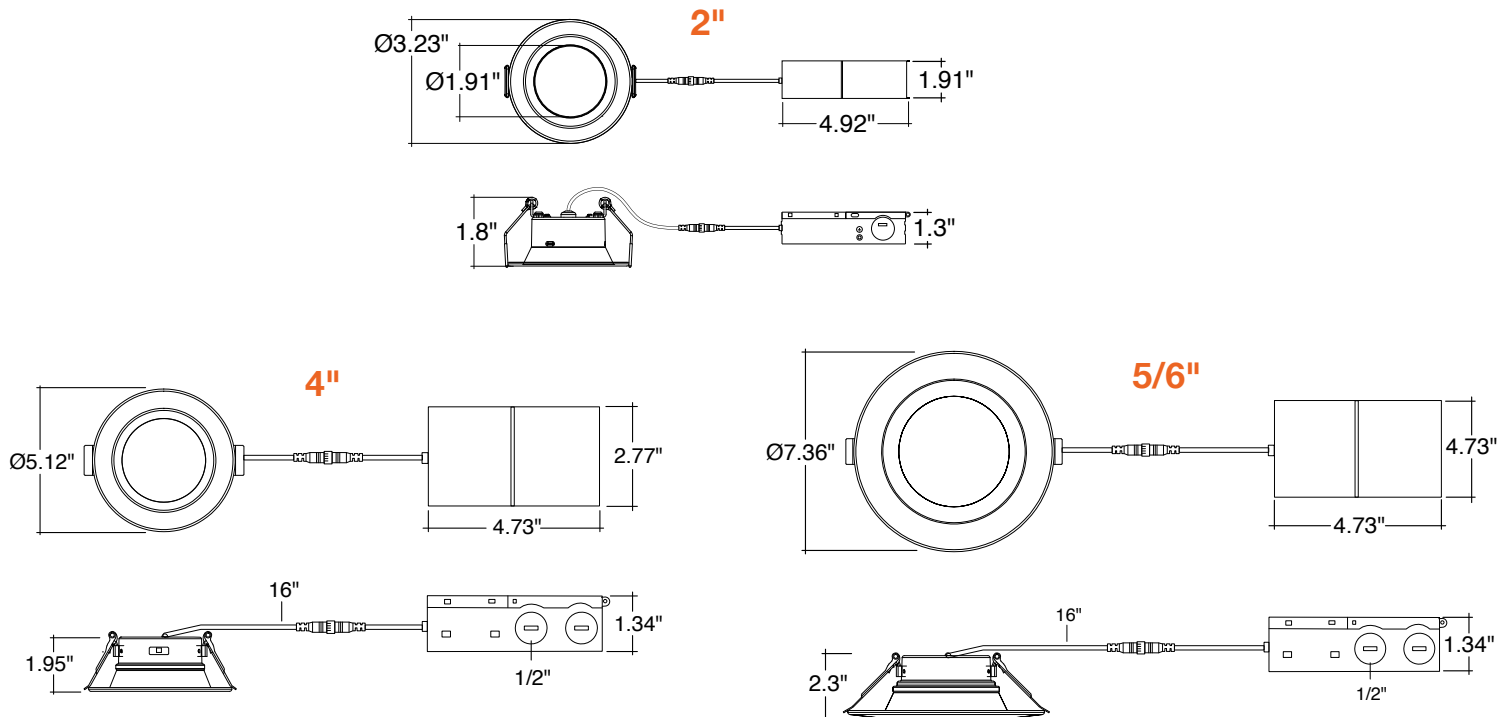
1. Field installable. Lasts 90 minutes.

Specs and model numbers are subject to change with or without notice.

FEATURES



MEASUREMENTS

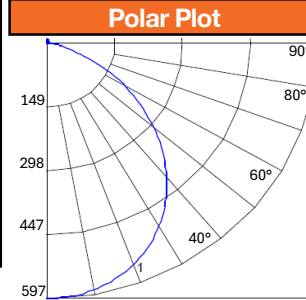


LED-RDL-EX-6

6"

SKU: LED-RDL-EX-6-3P18-5CCT-WH-SM 18W
LUMENS: 1425
WATTAGE: 16.6
LER: 71
CCT/CRI: 27/30/35/40/50K / >90CRI
SPACING CRITERIA: 1.24 (0-180), 1.22 (90-270)

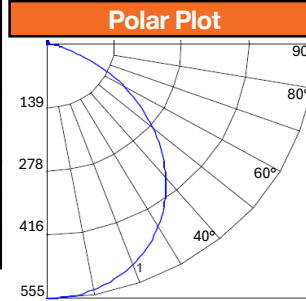
Illumination at a Distance		
Distance from Luminaire	Center Beam (fc)	Diameter of Beam (ft)
4'	37.71	9.53
6'	16.70	14.30
8'	9.30	19.07
10'	6.01	23.84
12'	4.11	28.60



Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20	216.53	15.2
0-30	456.08	32.0
0-40	735.49	51.6
0-60	1223.03	85.8
0-80	1390.09	97.6
0-90	1400.35	98.3

SKU: LED-RDL-EX-6-3P18-5CCT-WH-SM 15W
LUMENS: 1325
WATTAGE: 14.2
LER: 93
CCT/CRI: 27/30/35/40/50K / >90CRI
SPACING CRITERIA: 1.24 (0-180), 1.22 (90-270)

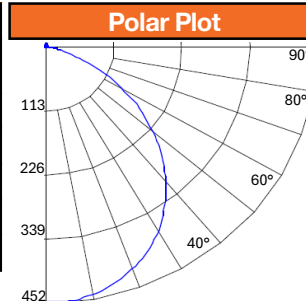
Illumination at a Distance		
Distance from Luminaire	Center Beam (fc)	Diameter of Beam (ft)
4'	35.05	9.53
6'	15.61	14.30
8'	8.55	19.07
10'	5.49	23.84
12'	3.92	28.60



Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20	201.47	15.2
0-30	424.41	32.0
0-40	684.26	51.6
0-60	1137.47	85.8
0-80	1292.80	97.5
0-90	1302.34	98.3

SKU: LED-RDL-EX-6-3P18-5CCT-WH-SM 12W
LUMENS: 1075
WATTAGE: 11.3
LER: 95
CCT/CRI: 27/30/35/40/50K / >90CRI
SPACING CRITERIA: 1.24 (0-180), 1.22 (90-270)

Illumination at a Distance		
Distance from Luminaire	Center Beam (fc)	Diameter of Beam (ft)
4'	28.45	28.45
6'	12.58	12.58
8'	6.90	6.90
10'	4.46	4.46
12'	3.18	3.18



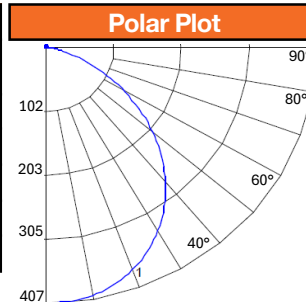
Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20	163.45	15.2
0-30	344.37	32.0
0-40	555.33	51.6
0-60	923.19	85.9
0-80	1049.03	97.6
0-90	1056.77	98.3

LED-RDL-EX-4

4"

SKU: LED-RDL-EX-4-3P12-5CCT-WH-SM 12W
LUMENS: 944
WATTAGE: 12.3
LER: 77
CCT/CRI: 27/30/35/40/50K / >90CRI
SPACING CRITERIA: 1.22 (0-180), 1.22 (90-270)

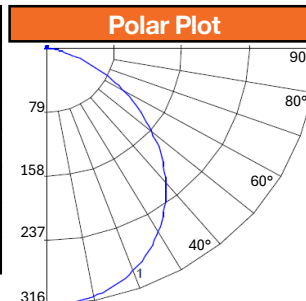
Illumination at a Distance		
Distance from Luminaire	Center Beam (fc)	Diameter of Beam (ft)
4'	25.73	9.20
6'	11.37	13.80
8'	6.30	18.41
10'	4.12	23.01
12'	2.80	27.61



Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20	147.26	15.6
0-30	308.82	32.7
0-40	495.01	52.4
0-60	813.45	86.2
0-80	921.72	97.6
0-90	927.57	98.3

SKU: LED-RDL-EX-4-3P12-5CCT-WH-SM 10W
LUMENS: 732
WATTAGE: 7.64
LER: 96
CCT/CRI: 27/30/35/40/50K / >90CRI
SPACING CRITERIA: 1.22 (0-180), 1.22 (90-270)

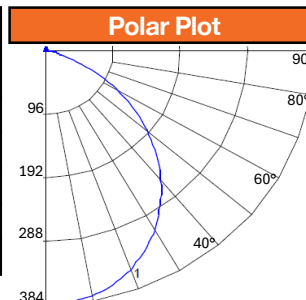
Illumination at a Distance		
Distance from Luminaire	Center Beam (fc)	Diameter of Beam (ft)
4'	24.16	9.20
6'	10.77	13.80
8'	5.85	18.41
10'	3.78	23.01
12'	2.61	27.61



Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20	138.66	15.6
0-30	290.76	32.7
0-40	465.99	52.5
0-60	765.60	86.2
0-80	867.46	97.6
0-90	872.95	98.3

SKU: LED-RDL-EX-4-3P12-5CCT-WH-SM 8W
LUMENS: 888
WATTAGE: 9.69
LER: 92
CCT/CRI: 27/30/35/40/50K / >90CRI
SPACING CRITERIA: 1.22 (0-180), 1.22 (90-270)

Illumination at a Distance		
Distance from Luminaire	Center Beam (fc)	Diameter of Beam (ft)
4'	19.94	9.04
6'	8.83	13.56
8'	4.95	18.08
10'	3.09	22.61
12'	2.24	27.13



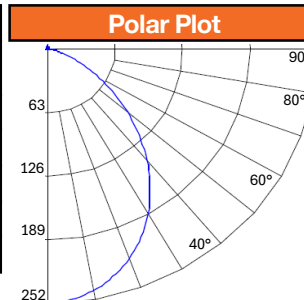
Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20	114.41	15.6
0-30	239.90	32.8
0-40	384.49	52.5
0-60	631.24	86.2
0-80	715.16	97.6
0-90	719.69	98.3

LED-RDL-EX-2

2"

SKU: LED-RDL-EX-2-3P8-5CCT8W
LUMENS: 532
WATTAGE: 7.96
LER: 67
CCT/CRI: 27/30/35/40/50K / >90CRI
SPACING CRITERIA: 1.14 (0-180), 1.18 (90-270)

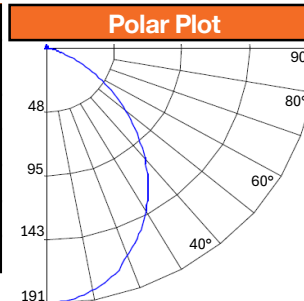
Illumination at a Distance		
Distance from Luminaire	Center Beam (fc)	Diameter of Beam (ft)
4'	15.93	8.14
6'	7.14	12.21
8'	3.90	16.28
10'	2.57	20.35
12'	1.68	24.42



Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20	90.64	17.0
0-30	187.95	35.3
0-40	296.36	55.7
0-60	467.53	87.9
0-80	519.95	97.7
0-90	522.55	98.2

SKU: LED-RDL-EX-2-3P8-5CCT6W
LUMENS: 402
WATTAGE: 5.78
LER: 69
CCT/CRI: 27/30/35/40/50K / >90CRI
SPACING CRITERIA: 1.14 (0-180), 1.16 (90-270)

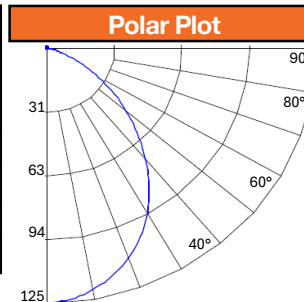
Illumination at a Distance		
Distance from Luminaire	Center Beam (fc)	Diameter of Beam (ft)
4'	12.05	8.14
6'	5.32	12.21
8'	3.00	16.28
10'	1.89	20.35
12'	1.31	24.42



Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20	68.55	17.1
0-30	141.68	35.3
0-40	223.36	55.6
0-60	352.72	87.8
0-80	392.53	97.8
0-90	394.49	98.2

SKU: LED-RDL-EX-2-3P8-5CCT4W
LUMENS: 265
WATTAGE: 3.81
LER: 71
CCT/CRI: 27/30/35/40/50K / >90CRI
SPACING CRITERIA: 1.14 (0-180), 1.18 (90-270)

Illumination at a Distance		
Distance from Luminaire	Center Beam (fc)	Diameter of Beam (ft)
4'	7.90	8.14
6'	3.51	12.21
8'	1.95	16.28
10'	1.20	20.35
12'	0.93	24.42



Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20	44.93	17.0
0-30	93.17	35.2
0-40	147.09	55.5
0-60	232.79	87.8
0-80	259.17	97.8
0-90	260.45	98.3

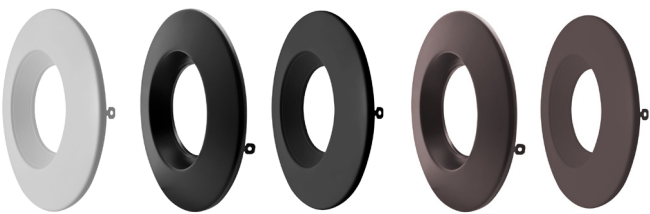
ACCESSORIES



4-WH-BFL 4-BLK-SM 4-BLK-BFL 4-BZ-SM 4-BZ-BFL



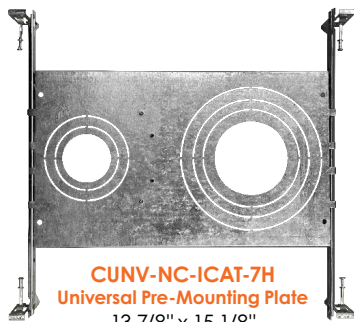
4-BN-SM 4-BN-BFL



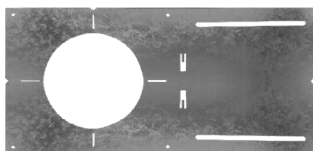
5/6-WH-BFL 5/6-BLK-SM 5/6-BLK-BFL 5/6-BZ-SM 5/6-BRZ-BFL



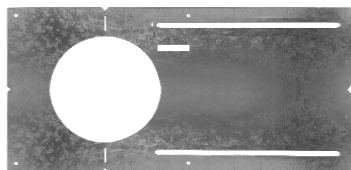
5/6-BN-SM 5/6-BN-BFL



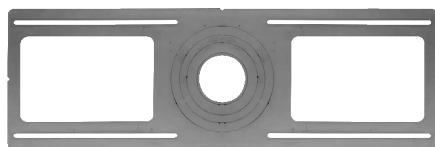
CUNV-NC-ICAT-7H
Universal Pre-Mounting Plate
13 7/8" x 15 1/8"



C4-JBX-RI
4" Rough In Plate
6 1/2" x 13 1/4"



C6-JBX-RI
6" Rough In Plate
8 1/2" x 17 1/4"



CUNV-JBX-RI-XL
7" x 26"



LED-EMB-15W-HV-0/10V-2P
LED-EMB-25W-HV-0/10V-2P

Model	Voltage	Watts	Lumens	Color	CRI
LED-RDL-EX-2-3P8-5CCT-WH-SM	120V	4/6/8w	275/410/560lm	27/30/35/40/50K	>90
LED-RDL-EX-4-3P12-5CCT-WH-SM	120V	8/10/12w	560/700/960lm	27/30/35/40/50K	>90
LED-RDL-EX-6-3P18-5CCT-WH-SM	120V	12/15/18w	700/1100/1500lm	27/30/35/40/50K	>90

TRIMS

Accessory Model	Description
RDL-TRIM-4-BLK-SM	4" Black Trim Smooth
RDL-TRIM-4-BZ-SM	4" Bronze Trim Smooth
RDL-TRIM-4-BN-SM	4" Brushed Nickel Trim Smooth
RDL-TRIM-4-WH-BFL	4" White Trim Baffle
RDL-TRIM-4-BLK-BFL	4" Black Trim Baffle
RDL-TRIM-4-BZ-BFL	4" Bronze Trim Baffle
RDL-TRIM-4-BN-BFL	4" Brushed Nickel Trim Baffle
RDL-TRIM-4-CUSTOM	4" Custom Trim
RDL-TRIM-5/6-BLK-SM	5/6" Black Trim Smooth
RDL-TRIM-5/6-BZ-SM	5/6" Bronze Trim Smooth
RDL-TRIM-5/6-BN-SM	5/6" Brushed Nickel Trim Smooth
RDL-TRIM-5/6-WH-BFL	5/6" White Trim Baffle
RDL-TRIM-5/6-BLK-BFL	5/6" Black Trim Baffle
RDL-TRIM-5/6-BRZ-BFL	5/6" Bronze Trim Baffle
RDL-TRIM-5/6-BN-BFL	5/6" Brushed Nickel Trim Baffle
RDL-TRIM-5/6-CUSTOM	5/6" Custom Trim

CONSTRUCTION PLATES

Accessory	Description
CUNV-NC-ICAT-7H	1" 2"3" 3.5" 4" 5" 6" Universal Pre-Mounting New Construction Plate
C4-JBX-RI	4" Rough In Plate
C6-JBX-RI	6" Rough In Plate
CUNV-JBX-RI-XL	7" x 26" Universal tough in plate (Extra Long)

EXTENSION CABLE

Accessory	Description
JBX-EXT-6'-2PIN	6" Extension Cable
JBX-EXT-10'-2PIN	10" Extension Cable
JBX-EXT-12'-2PIN	12" Extension Cable

BATTERY BACK-UP

Accessory	Description
LED-EMB-15W-HV-0/10V-2P	Up to 14W fixtures
LED-EMB-25W-HV-0/10V-2P	Up to 24W fixtures

TESTED COMPATIBLE DIMMERS

Other dimmers may be compatible but have not been tested. Please contact us for more information.

Lutron	Leviton
TG-600PR-WH	GT-600P 6672
S-600PR-WH	DVCL-153P 6674
CTCL-153PDH-WH	RNL06 DSL06
SLV-600P-AL	MSCL-OP153M PD-6WCL
DV-600PR-WH	IPL06 MACL-153M//MA-R
SCL-153PH-WH	