

LED Luminaires

Residential Retrofit Downlight - Contractor Grade

- Non-Conductive Retrofit Polymer Trim
- Field Adjustable Color Temperature
- Triac/ELV Dimmable
- Wet Location Rated
- Compatible with most standard recessed housings

Specifications

Description

The RDLC family of fixtures offer a convenient, efficient way to upgrade recessed lighting. The lightweight non-conductive trim offers a clean, modern look while resisting rust and discoloration over time. An integrated switch allows easy adjustment between multiple color temperatures, giving flexibility to create the right ambiance for any room. Designed for energy savings and long life, they deliver bright, consistent illumination in many residential settings.

Performance

- Selectable Color Temperatures 2700K, 3000K, 3500K, 4000K, 5000K
- 99-112 Lumens per Watt
- 90+ CRI
- L70 Lumen Maintenance > 50,000 Hours
- Triac/ELV Dimming to 10%
- 120V Input
- 5 Year Limited Warranty

Construction

- Non-Conductive Retrofit Polymer Trim
- Frosted Polycarbonite Lens
- 4" includes friction clips; 6" includes steel torsion springs
- E26 Base adapter included
- Smooth or Baffle trim options

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____



Applications

- Residential
- Multi-Family Units
- K-8 Schools, Colleges and Universities
- Hospitality

Certifications

- Energy Star
- UL Classified
- California T24 and T20 Compliant
- Wet location listed

Residential Retrofit Downlight - Contractor Grade

Ordering Logic:

Series	Size	CCT	Trim Style	Voltage
RDLC = Residential Retrofit Downlight	4 = 4" Round 6 = 6" Round	CS = Color Selectable, 2700K, 3000K, 3500K, 4000K, 5000K	BT = Baffle Trim ST = Smooth Trim	120V = 120V Triac/ELV Dimming

Ordering Information

Product SKU	Product Code	Product Description	Equiv Watts	Energy Star ID
89015	RDLC-4-CS-BT-120V	Residential Retrofit Downlight 4in 700lm 2700K-5000K Color Select 7.5W Baffle Trim 120V Triac Dimmable	60	4511182
89016	RDLC-4-CS-ST-120V	Residential Retrofit Downlight 4in 700lm 2700K-5000K Color Select 7.5W Smooth Trim 120V Triac Dimmable	60	4511182
89017	RDLC-6-CS-BT-120V	Residential Retrofit Downlight 6in 900lm 2700K-5000K Color Select 10W Baffle Trim 120V Triac Dimmable	100	4511183
89018	RDLC-6-CS-ST-120V	Residential Retrofit Downlight 6in 900lm 2700K-5000K Color Select 10W Smooth Trim 120V Triac Dimmable	100	4511183

Performance Table

SKU	Product Code	Wattage	2700K		3000K		3500K		4000K		5000K	
			Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)
89015	RDLC-4-CS-BT-120V	7.5	736	99	766	104	817	112	807	110	768	104
89016	RDLC-4-CS-ST-120V	7.5	739	99	774	104	823	112	815	110	784	106
89017	RDLC-6-CS-BT-120V	10	928	99	957	103	1034	112	1019	110	990	106
89018	RDLC-6-CS-ST-120V	10	918	99	969	105	1023	111	1017	110	975	105

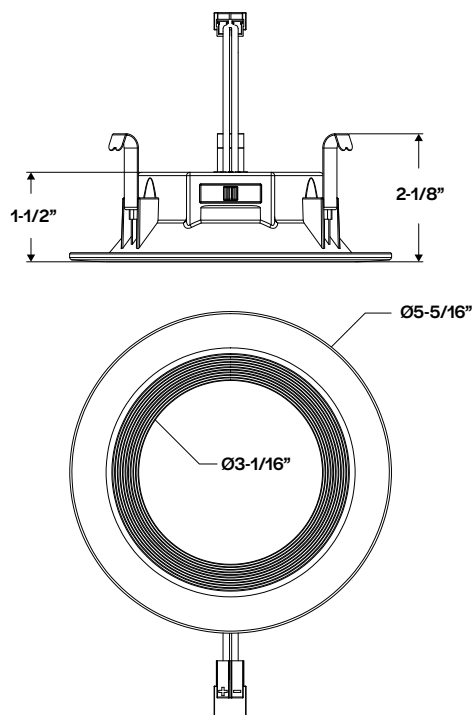
Dimmer Compatibility List

Dimmer Brand	Series	Dimmer Model
LUTRON	Maestro C-L	MACL-153M
LUTRON	Skylark C-L	SCL-153P
LEVITON	Sureslide	Cat.NO.6674
LUTRON	Diva C-L	DVCL-153P
LUTRON	Skylark	CTCL-153PDH-WH
LUTRON	Toggler	TGCL-153PH-WH
LUTRON	Diva C-L	DVWCL-153PH-WH
LUTRON	Ariadni	AYCL-153P-BR

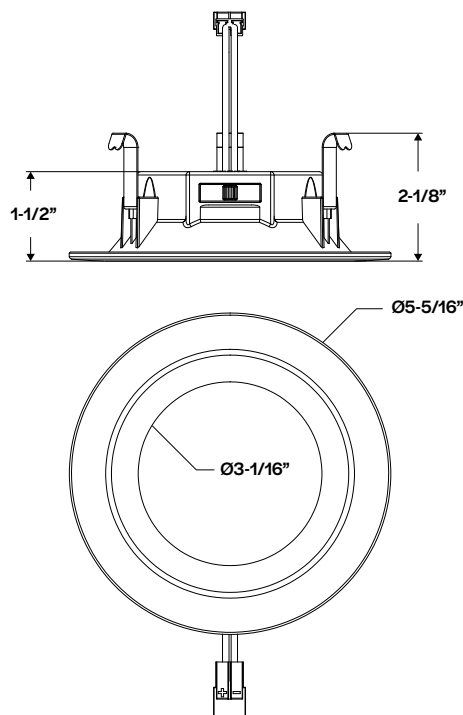
Residential Retrofit Downlight - Contractor Grade

Dimensions

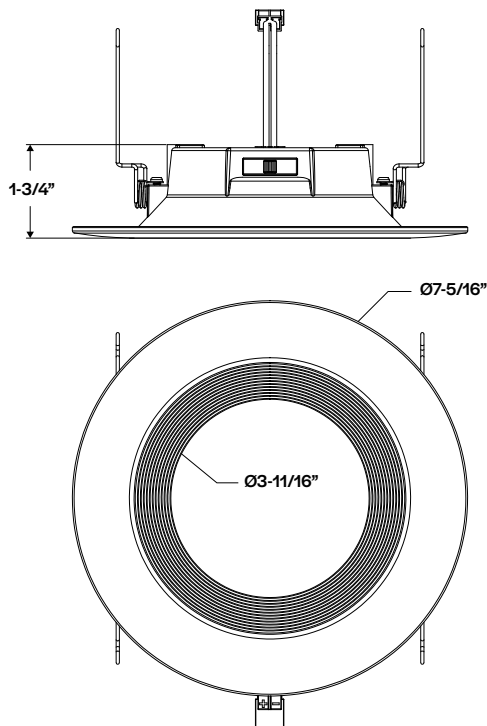
RDLC-4-CS-BT-120V



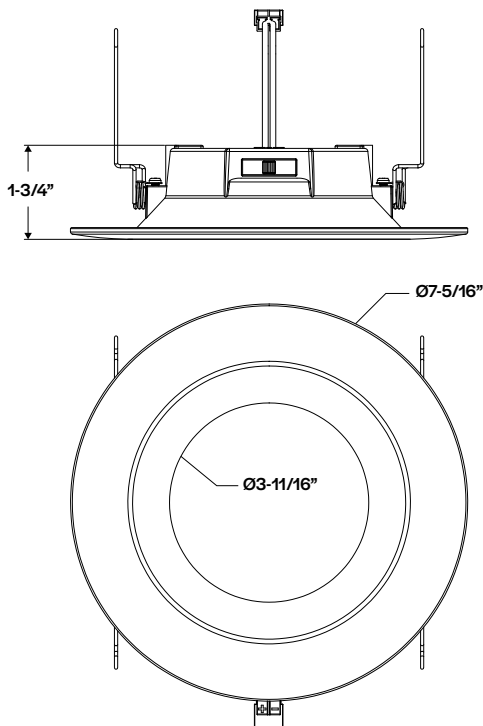
RDLC-4-CS-ST-120V



RDLC-6-CS-BT-120V



RDLC-6-CS-ST-120V



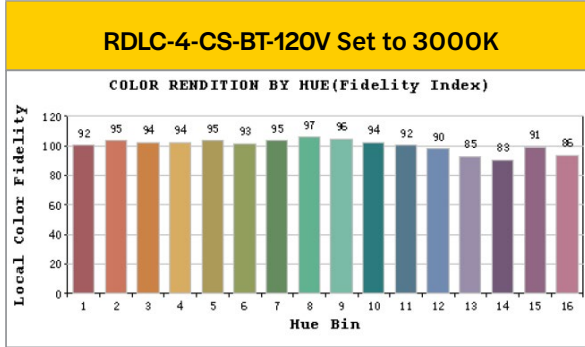
Residential Retrofit Downlight - Contractor Grade Specifications Table

	RDLC-4-CS-BT-120V	RDLC-4-CS-ST-120V	RDLC-6-CS-BT-120V	RDLC-6-CS-ST-120V
Nominal Wattage	7.5	7.5	10	10
Delivered Lumens	700	700	900	900
Efficacy (lm/W)	99-112	99-112	99-112	99-111
CCT	Selectable 2700K, 3000K, 3500K, 4000K or 5000K	Selectable 2700K, 3000K, 3500K, 4000K or 5000K	Selectable 2700K, 3000K, 3500K, 4000K or 5000K	Selectable 2700K, 3000K, 3500K, 4000K or 5000K
CRI	90	90	90	90
L70 Lifetime (hrs)	50,000	50,000	50,000	50,000
Input Voltage	120V	120V	120V	120V
Power Factor	0.9	0.9	0.9	0.9
Dimming	Triac	Triac	Triac	Triac
Housing Material	Non-Conductive Plastic	Non-Conductive Plastic	Non-Conductive Plastic	Non-Conductive Plastic
Lens	Frosted Polycarbonate	Frosted Polycarbonate	Frosted Polycarbonate	Frosted Polycarbonate
Operating Temperature Min	-20° C (-4° F)	-20° C (-4° F)	-20° C (-4° F)	-20° C (-4° F)
Operating Temperature Max	40° C (104° F)	40° C (104° F)	40° C (104° F)	40° C (104° F)
Listings	UL/FCC/ES/T20/T24	UL/FCC/ES/T20/T24	UL/FCC/ES/T20/T24	UL/FCC/ES/T20/T24
Environment	Wet Location	Wet Location	Wet Location	Wet Location
Warranty (Years)	5	5	5	5
Weight (lbs)	0.35	0.35	0.54	0.54

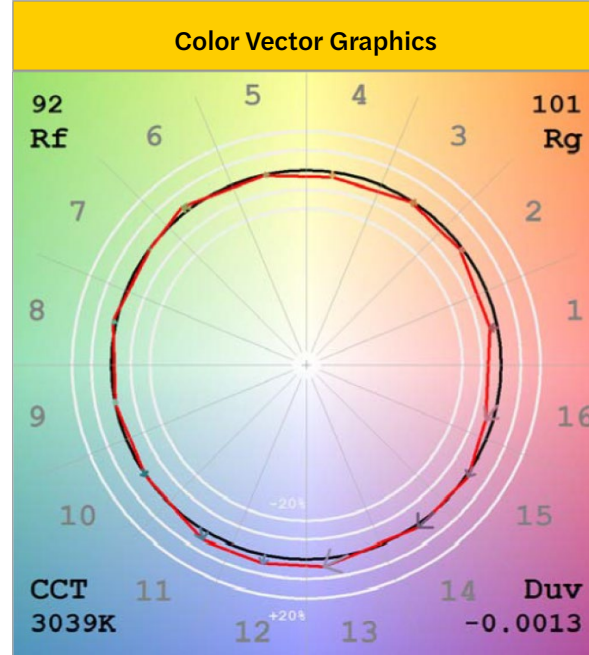
Residential Retrofit Downlight - Contractor Grade

Photometric Information

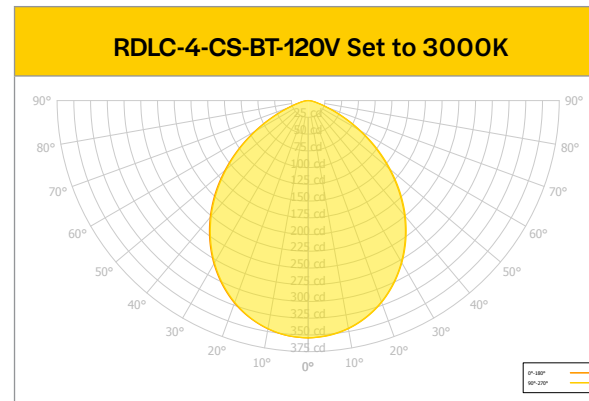
89015 RDLC-4-CS-BT-120V | 3000K



Zonal Lumen Summary		
Zonal	Lumens	% Fixture
0° - 10°	35	5%
10° - 20°	94	12%
20° - 30°	138	18%
30° - 40°	158	21%
40° - 50°	149	19%
50° - 60°	111	15%
60° - 70°	58	8%
70° - 80°	18	2%
80° - 90°	4	1%
0° - 90°	766	100%



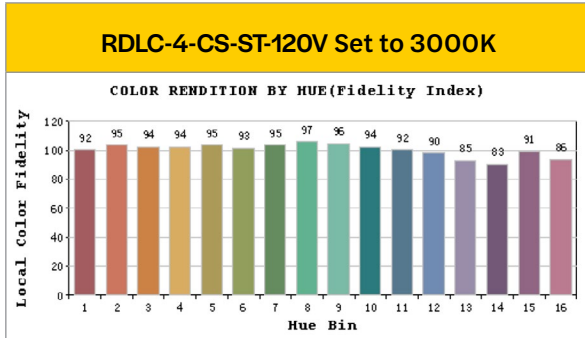
Information	
RF	92
RG	101



Residential Retrofit Downlight - Contractor Grade

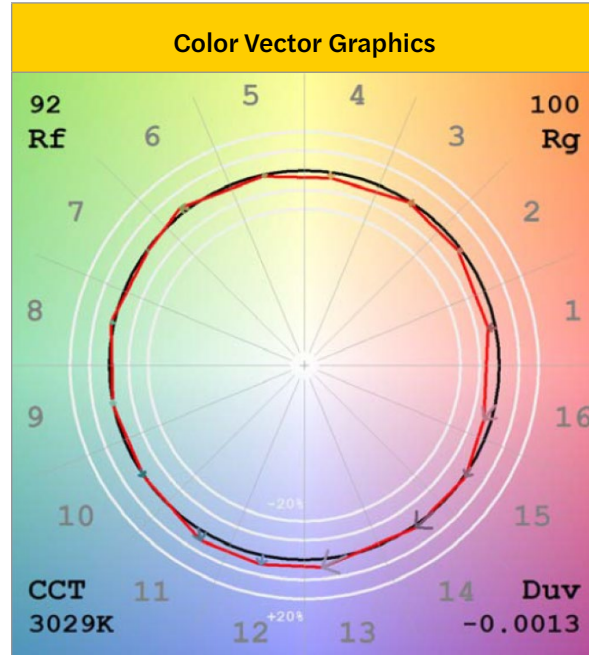
Photometric Information

89016 RDLC-4-CS-ST-120V | 3000K



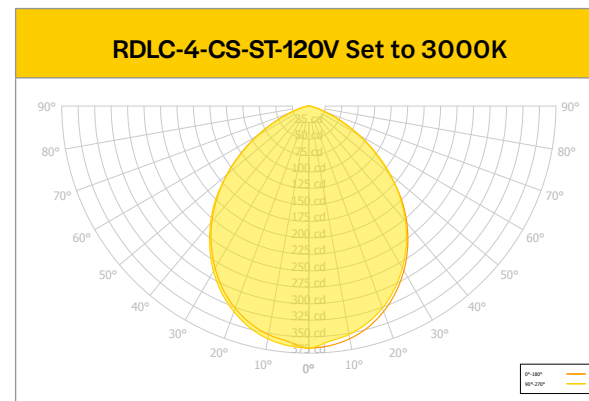
Zonal Lumen Summary

Zonal	Lumens	% Fixture
0° - 10°	36	5%
10° - 20°	97	12%
20° - 30°	142	18%
30° - 40°	162	21%
40° - 50°	151	19%
50° - 60°	111	14%
60° - 70°	56	7%
70° - 80°	16	2%
80° - 90°	3	1%
0° - 90°	774	100%



Information

RF	92
RG	100

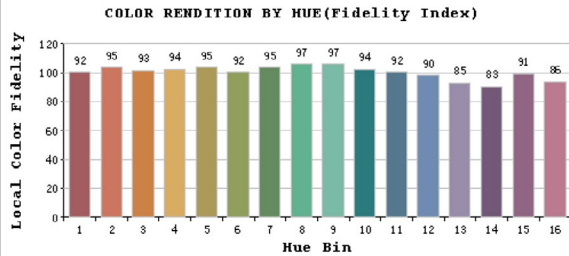


Residential Retrofit Downlight - Contractor Grade

Photometric Information

89017 RDLC-6-CS-BT-120V | 3000K

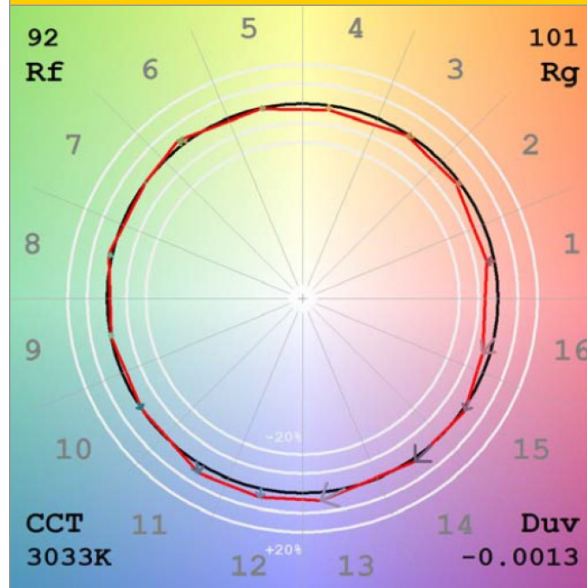
RDLC-6-CS-BT-120V Set to 3000K



Zonal Lumen Summary

Zonal	Lumens	% Fixture
0° - 10°	43	5%
10° - 20°	115	12%
20° - 30°	169	18%
30° - 40°	192	20%
40° - 50°	185	19%
50° - 60°	145	15%
60° - 70°	81	8%
70° - 80°	23	2%
80° - 90°	4	1%
0° - 90°	957	100%

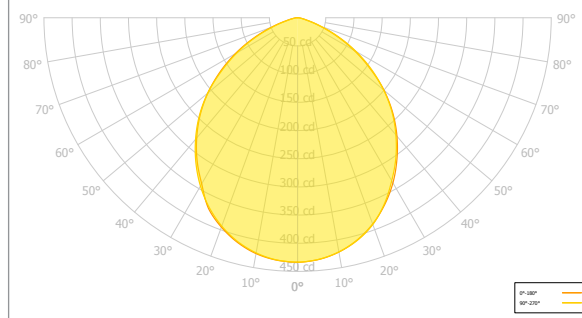
Color Vector Graphics



Information

RF	92
RG	101

RDLC-6-CS-BT-120V Set to 3000K

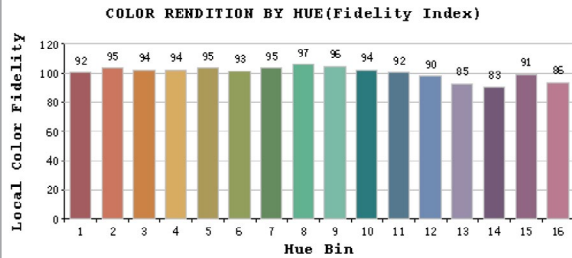


Residential Retrofit Downlight - Contractor Grade

Photometric Information

89018 RDLC-6-CS-ST-120V | 3000K

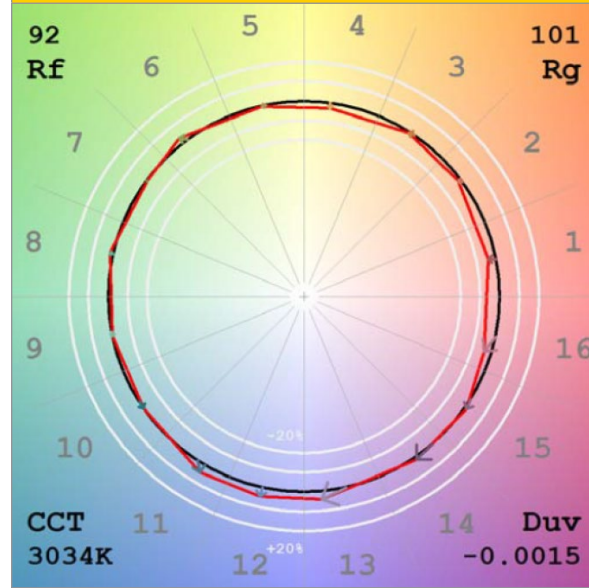
RDLC-6-CS-ST-120V Set to 3000K



Zonal Lumen Summary

Zonal	Lumens	% Fixture
0° - 10°	44	5%
10° - 20°	117	12%
20° - 30°	172	18%
30° - 40°	196	20%
40° - 50°	188	19%
50° - 60°	146	15%
60° - 70°	80	8%
70° - 80°	23	2%
80° - 90°	4	1%
0° - 90°	968	100%

Color Vector Graphics



Information

RF	92
RG	101

RDLC-6-CS-ST-120V Set to 3000K

