

PROJECT NAME: _____ CAT. #: _____
 NOTES: _____ FIXTURE SCHEDULE: _____

Commercial Downlights

Architectural RRC Series
Wattage and Color Selectable



RETROFIT



NEW CONSTRUCTION



Product Description:

With a two-piece design that is quick to install, the architectural RRC Commercial Downlights family is the easy way to upgrade incandescent, fluorescent and metal halide downlight fixtures to LED. The future proof modular system is available as CCT selectable, wattage selectable with adjustable beam angles therefore enabling one product to cover various lighting needs. Suitable for both retrofit and new construction installations, the low glare luminaires can be used to capture energy savings while also gaining the benefit of dimming.

Features:

- Available in 4", 6", 8", and 9.5"
- Low glare system with UGR <16
- Adjustable beam angles from 24° to 45°, with a 30° cut off.
- Simple twist-and-lock mechanism for a quick tool-free fitting of the luminaire unit
- New construction frames available
- Compatible with the CMax Network power pack
- Compatible with the Avi-On XPP Zone controller

Dimming:

- 120-277V option available with 0-10V dimming (1%)

Listings:

- ETL Listed for Wet locations, indoor
- ETL Classified for Wet locations, indoor
- IC Rated (up to 20W)
- Airtight Construction (up to 20W)
- Energy Star Certified

Controls Ready:

Luminaire Level Lighting Control (LLLC), individual addressability and/or grouping, ability to create scenes and high-Trim/ tuning sets is available and enabled on the product family with wireless Bluetooth technology via the field installable c-Max Network power pack and the optional occupancy PIR sensor.

Ordering Information

Step 1 - Select the light engine

FAMILY	SUB FAMILY	OUTPUT	CCT	DIMMING TYPE
RRC= Architectural Retrofit Commercial	X= Light Engine	10= 10W 10W= 10/15/20W Selectable 15= 15W 20W= 20/25/30W Selectable 25= 25W	CS= 27/30/35/40/50 CCT Selectable	D= 120-277V, 0-10V Dimming

Step 2 - Select the reflector¹

FAMILY	SIZE	SHAPE	REFLECTOR FINISH	FLANGE FINISH
RRC= Architectural Retrofit Commercial	4= 4" reflector 6= 6" reflector 8= 8" reflector 10= 9.5" reflector	R= Round	M= Matte Silver W²= White	W= White

¹These reflectors are only compatible with the light engines shown above
²Stocked in 8", Made to order in 4", 6" and 9.5"

Step 3 - Select an optional new construction frame¹

FRAME PART #	DESCRIPTION
RCF-4	4" COMMERCIAL RECESSED FRAME
RCF-6	6" COMMERCIAL RECESSED FRAME
RCF-8	8" COMMERCIAL RECESSED FRAME

¹For new construction projects up to 8"

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Dimming Compatibility

DIMMER MODELS	
LUTRON	DVSTV-WH
LEVITON	IP710-DLZ

Accessories Table

ORDER CODE	MODEL NUMBER	DESCRIPTION	IMAGE
SD-UNVTEMPLATE	105886	ROUGH IN TEMPLATE, UNIVERSAL 4", 6", 8"	
RCF-XTRIM10	105172	GOOF RING, 9.5" TO 12" COVERAGE	
NPP-300W	106318	120-277V NETWORK POWER PACK 300W MAX	
NPPSL-PSW	107788	NETWORK POWER PACK PIR SENSOR, 12V, WHITE	

Specifications

	RRCX10CSD	RRCX15CSD	RRCX25CSD	RRCX10WCSD			RRCX20WCSD		
	Single Wattage			Wattage Selectable					
NOMINAL WATTAGE (W)	10	15	25	10	15	20	20	25	30
LUMENS (lm)*	1046	1476	2399	1046	1476	1944	1944	2399	2768
Efficacy (lm/W)*									
LUMENS (lm)*	1065	1550	2300	1065	1550	1960	1940	2300	2680
Efficacy (lm/W)*									
CRI	≥ 80								
CCT (K)	2700K/3000K/3500K/4000K/5000K CCT Selectable								
L70 LIFETIME (hrs)	≥ 50,000								
VOLTAGE	120-277V, 0-10V dimming								
POWER FACTOR	≥ 0.9								
LISTINGS	ETL Listed & Classified, ES, Air Tight (up to 20W), IC Rated (up to 20W)								
ENVIRONMENT	Wet locations								
WARRANTY	5 years								

*6" reflector, 4000K

Photometric Information:

CCT	MULTIPLIER
2700K	0.92
3000K	0.95
3500K	0.97
4000K	1.00
5000K	1.00

REFLECTOR SIZE	MULTIPLIER
4"	0.95
6"	1.00
8"	1.00
9.5"	1.00

Example: Since RRCX10CSD (RRC4R**) at 45 degrees is 1012lm at 2700K, it will be 1002.4*1.07=1072lm at 4000K. If using reflector RRC6R on RRCX10CSD, lumen output will be 1012*1.01=1082lm

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Product Dimensions:

LIGHT ENGINES	REFLECTOR SIZE	FIXTURE HEIGHT (A)	REFLECTOR HEIGHT (B)	INNER DIAMETER (C)	OUTER DIAMETER (D)
RRCX10CSD	4"	5.38"	2.54"	4.15"	6.86"
RRCX10WCSD	6"	5.87"	3.02"	5.66"	8.46"
RRCX15CSD	8"	6.67"	3.82"	7.27"	10.32"
RRCX20WCSD	9.5"	7.1"	4.25"	8.21"	11.82"

FRAMES	E
RCF-4	4"
RCF-6	6"
RCF-8	8"

