

PROJECT NAME: \_\_\_\_\_ CAT. #: \_\_\_\_\_  
 NOTES: \_\_\_\_\_ FIXTURE SCHEDULE: \_\_\_\_\_

## Commercial Downlights

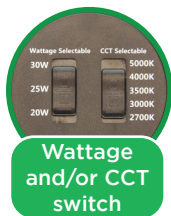
*Architectural RRC Series  
Wattage and Color Selectable*



RETROFIT



NEW CONSTRUCTION



Wattage  
and/or CCT  
switch



Beam  
Angle  
Selector



Locking  
Mechanism

### 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 Damp locations, indoor
- ETL Classified for Damp 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
<b>RRC=</b> Architectural Retrofit Commercial	<b>X=</b> Light Engine	<b>10W=</b> 10/15/20W Selectable <b>20W=</b> 20/25/30W Selectable	<b>CS=</b> 27/30/35/40/50 CCT Selectable	<b>D=</b> 120-277V, 0-10V Dimming

Step 2 - Select the reflector<sup>1</sup>

FAMILY	SIZE	SHAPE	REFLECTOR FINISH	FLANGE FINISH
<b>RRC=</b> Architectural Retrofit Commercial	<b>4=</b> 4" reflector <b>6=</b> 6" reflector <b>8=</b> 8" reflector <b>10=</b> 9.5" reflector	<b>R=</b> Round	<b>M=</b> Matte Silver <b>W<sup>2</sup>=</b> White	<b>W=</b> White

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

Step 3 - Select an optional new construction frame<sup>1</sup>

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

<sup>1</sup>For new construction projects up to 8"



**5-year standard warranty** (further details available at [www.maxlite.com/warranties](http://www.maxlite.com/warranties))  
 Product may be eligible for a warranty extension to 10 years, for an additional fee. Contact MaxLite for details.

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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

	RRCX10WCSD			RRCX20WCSD			
	Wattage Selectable						
NOMINAL WATTAGE (W)	10	15	20	20	25	30	
LUMENS (lm)*	25° Beam Angle	1046	1476	1944	1944	2399	2768
Efficacy (lm/W)*		104.6	98.4	99.7	99.7	96.0	92.3
LUMENS (lm)*	45° Beam Angle	1065	1550	1960	1940	2300	2680
Efficacy (lm/W)*		106.5	103.3	100.5	99.5	92.0	89.3
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	Damp locations						
WARRANTY	5 years						

\*6" reflector, 4000K

## Photometric Information:

CCT	MULTIPLIER	REFLECTOR SIZE	MULTIPLIER
2700K	0.92	4"	0.95
3000K	0.95	6"	1.00
3500K	0.97	8"	1.00
4000K	1.00	9.5"	1.00
5000K	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)
RRCX10WCSD RRCX20WCSD	4"	5.38"	2.54"	4.15"	6.86"
	6"	5.87"	3.02"	5.66"	8.46"
	8"	6.67"	3.82"	7.27"	10.32"
	9.5"	7.1"	4.25"	8.21"	11.82"

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

