

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 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<br><b>20W</b> = 20/25/30W Selectable<br><b>25</b> = 25W | <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<br><b>6</b> = 6" reflector<br><b>8</b> = 8" reflector<br><b>10</b> = 9.5" reflector | <b>R</b> = Round | <b>M</b> = Matte Silver<br><b>W</b> <sup>2</sup> = 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

| ITEM #              | ENERGY STAR ID # | ITEM #              | ENERGY STAR ID # | ITEM #              | ENERGY STAR ID # | ITEM #               | ENERGY STAR ID # |
|---------------------|------------------|---------------------|------------------|---------------------|------------------|----------------------|------------------|
| RRCX10CSD(RRC4R**)  | 2393324          | RRCX15CSD(RRC6R**)  | 2393333          | RRCX25CSD(RRC8R**)  | 2393342          | RRCX10WCSD(RRC10R**) | 2393331          |
| RRCX10CSD(RRC6R**)  | 2393325          | RRCX15CSD(RRC8R**)  | 2393334          | RRCX25CSD(RRC10R**) | 2393343          | RRCX20WCSD(RRC4R**)  | 2393336          |
| RRCX10CSD(RRC8R**)  | 2393326          | RRCX15CSD(RRC10R**) | 2393335          | RRCX10WCSD(RRC4R**) | 2393328          | RRCX20WCSD(RRC6R**)  | 2393337          |
| RRCX10CSD(RRC10R**) | 2393327          | RRCX25CSD(RRC4R**)  | 2393340          | RRCX10WCSD(RRC6R**) | 2393329          | RRCX20WCSD(RRC8R**)  | 2393338          |
| RRCX15CSD(RRC4R**)  | 2393332          | RRCX25CSD(RRC6R**)  | 2393341          | RRCX10WCSD(RRC8R**) | 2393330          | RRCX20WCSD(RRC10R**) | 2393339          |

## 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  |       |
| EBUUP15030N300 | 108265       | EMERGENCY BATTERY BACK UP, 100-347VAC 50-150VDC 30W 300MA MAX, FIELD INSTALLABLE |       |

\*c-Max compatibility requires the use of NPP-300W accessory

\*\*NPPSL-PSW requires NPP-300W to be installed to the downlight in order to work

## Specifications

|                     | RRCX10WCSD   |      |      | RRCX20WCSD |      |      | RRCX25WCSD |
|---------------------|--|------|------|------------|------|------|------------|
|                     | Wattage Selectable   |      |      |            |      |      |            |
| NOMINAL WATTAGE (W) | 10   | 15   | 20** | 20         | 25   | 30** | 25         |
| LUMENS (lm)*        | 1046   | 1476 | 1944 | 1944       | 2399 | 2768 | 2399       |
| Efficacy (lm/W)*    |  |      |      |            |      |      |            |
| LUMENS (lm)*        | 1065   | 1550 | 1960 | 1940       | 2300 | 2680 | 2300       |
| Efficacy (lm/W)*    |  |      |      |            |      |      |            |
| CRI                 | ≥ 80   |      |      |            |      |      |            |
| CCT (K)             | 2700K/3000K/3500K/4000K/5000K CCT Selectable (Default CCT: 2700K)        |      |      |            |      |      |            |
| L70 LIFETIME ( hrs) | ≥ 50,000   |      |      |            |      |      |            |
| VOLTAGE             | 120-277V, 0-10V dimming  |      |      |            |      |      |            |
| POWER FACTOR        | ≥ 0.9  |      |      |            |      |      |            |
| BBU                 | EBUUP15030N300 is compatible with RRCX10WCSD and RRCX20WCSD only         |      |      |            |      |      |            |
| LISTINGS            | ETL Listed & Classified, ES, Air Tight (up to 20W), IC Rated (up to 20W) |      |      |            |      |      |            |
| ENVIRONMENT         | Damp locations   |      |      |            |      |      |            |
| WARRANTY            | 5 years  |      |      |            |      |      |            |

\*6" reflector, 4000K

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### 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

### Product Dimensions:

| LIGHT ENGINES                          | REFLECTOR SIZE | FIXTURE HEIGHT (A) | REFLECTOR HEIGHT (B) | INNER DIAMETER (C) | OUTER DIAMETER (D) |
|--|----------------|--------------------|----------------------|--------------------|--------------------|
| RRCX10WCSD<br>RRCX20WCSD<br>RRCX25WCSD | 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" |

