

# CURV Field-Adjustable Surface Mount



CRVFAD

## CRVFAD Decorative Flush Mount



PROJECT:

DATE:

TYPE:

PREPARED BY:



### KEY FEATURES

- Twin ring decorative design to upgrade traditional fixtures
- 5 Selectable color temperatures (2700/3000/3500/4000/5000K)
- Available with 120V or 120-277V driver with options for **TRIAC** or **0-10V dimming**
- Motion sensor and emergency battery backup versions available
- Multiple sizes, **12", 14", and 18"**
- Uniform glare-free light distribution
- Ideal for hospitality and multi-family residential applications
- Suitable for **wet** locations
- **50,000-Hour** lifespan
- **5 Year, No-Compromise Warranty**

### PERFORMANCE

| Catalog Number                | Size | Equivalency       | Input Wattage | Input Voltage | Lumens   | Efficacy | L70 Lifespan | Dimming Protocol | Emergency Battery | Sensor    |  |
|-------------------------------|------|-------------------|---------------|---------------|----------|----------|--------------|------------------|-------------------|-----------|--|
| CRVFAD-12R-16-9CCT-120-BN     | 12"  | 75W Incandescent  | 16W           | 120V          | 1,120 lm | 70 lm/W  | 50,000       | TRIAC/ELV        | ---               | ---       |  |
| CRVFAD-12R-16-9CCT-UNVT-BN/EM |      |                   |               | 120-277V      |          |          |              |                  | ---               | ---       |  |
| CRVFAD-12R-16-9CCT-UNV-BN     |      |                   |               | 1,100 lm      | 69 lm/W  |          |              | 0-10V            | ---               | ---       |  |
| CRVFAD-12R-16-9CCT-UNV-BN/MVS |      |                   |               |               |          |          |              |                  | Yes               | Microwave |  |
| CRVFAD-12R/MVS/EM             |      |                   | 17W           |               | 1,150 lm | 68 lm/W  |              | Yes              |                   |           |  |
| CURVD-12/LCBS/MVS             |      |                   |               |               |          |          |              | 0-10V            | ---               |           |  |
| CURVD-12/LCBS/MVS/E           |      |                   | 19W           | Yes           |          |          |              |                  |                   |           |  |
| CRVFAD-14R-20-9CCT-120-BN     | 14"  | 125W Incandescent | 20W           | 120V          | 1,400 lm | 70 lm/W  | 50,000       | TRIAC/ELV        | ---               | ---       |  |
| CRVFAD-14R-20-9CCT-UNVT-BN/EM |      |                   |               | 120-277V      |          |          |              |                  | Yes               | ---       |  |
| CRVFAD-14R-20-9CCT-UNV-BN     |      |                   |               | 1,400 lm      | 67 lm/W  |          |              | 0-10V            | ---               | ---       |  |
| CRVFAD-14R-20-9CCT-UNV-BN/MVS |      |                   |               |               |          |          |              |                  | ---               | Microwave |  |
| CRVFAD-14R/MVS/EM             |      |                   | 21W           |               | 1,400 lm | 67 lm/W  |              | Yes              |                   |           |  |
| CURVD-14/LCBS/MVS             |      |                   |               |               |          |          |              | 0-10V            | ---               |           |  |
| CURVD-14/LCBS/MVS/E           |      |                   | 24W           | 58 lm/W       |          |          |              |                  | Yes               |           |  |
| CRVFAD-18R-32-9CCT-120-BN     | 18"  | 200W Incandescent | 32W           | 120V          | 2,200 lm | 69 lm/W  | 50,000       | TRIAC/ELV        | ---               | ---       |  |
| CRVFAD-18R-32-9CCT-UNV-BN     |      |                   |               | 120-277V      |          |          |              |                  | Yes               | ---       |  |
| CRVFAD-18R-32-9CCT-UNV-BN/MVS |      |                   |               | 2,200 lm      | 68 lm/W  |          |              | 0-10V            | ---               | ---       |  |
| CRVFAD-18R-32-9CCT-UNV-BN/EM  |      |                   |               |               |          |          |              |                  | ---               | Microwave |  |
| CRVFAD-18R/MVS/EM             |      |                   | 33W           |               | 2,240 lm | 68 lm/W  |              | Yes              |                   |           |  |
| CURVD-18/LCBS/MVS             |      |                   |               |               |          |          |              | 0-10V            | ---               |           |  |
| CURVD-18/LCBS/MVS/E           |      |                   | 36W           | 62 lm/W       |          |          |              |                  | Yes               |           |  |

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## TECHNICAL SPECIFICATIONS

### CONSTRUCTION

|                                   |                                                        |
|-----------------------------------|--------------------------------------------------------|
| <b>Product Type</b>               | <b>Lens</b>                                            |
| Flush mount                       | Frosted Polycarbonate with smooth diffuse illumination |
| <b>Fixture Shape</b>              | <b>Beam Angle</b>                                      |
| Round                             | 130°                                                   |
| <b>Fixture Housing</b>            |                                                        |
| Metal decorative twin ring design |                                                        |
| <b>Fixture Finish</b>             |                                                        |
| Brushed Nickel                    |                                                        |

### INSTALLATION

**Mounting**  
Surface mount directly to junction box using key holes located on fixture housing

### ELECTRICAL

|                               |
|-------------------------------|
| <b>THD</b>                    |
| ≤20%                          |
| <b>Power Factor</b>           |
| ≥0.9                          |
| <b>Input Voltage</b>          |
| 120V; 120-277V                |
| <b>Operating Frequency</b>    |
| 50/60Hz                       |
| <b>Operating Temperature</b>  |
| -4°F to 104°F (-20°C to 40°C) |

### COMPLIANCE

|                                                                            |
|----------------------------------------------------------------------------|
| <b>Listing</b>                                                             |
| UL Listed                                                                  |
| <b>Environment Rating</b>                                                  |
| Wet location                                                               |
| <b>IP Rating</b>                                                           |
| IP64                                                                       |
| <b>T24 JA8 Compliant</b>                                                   |
| Can be used to conform with the requirements of California Title 24 Part 6 |
| <b>FCC</b>                                                                 |
| Complies with Part 15 of the FCC Rules.                                    |
| <b>RoHS</b>                                                                |
| Mercury and UV free. RoHS-compliant components.                            |

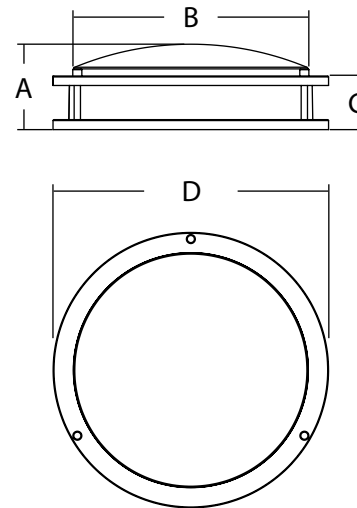
### OTHER

**Warranty**  
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

## DIMENSIONS

### CRVFAD 16/20/32W



| CRVFAD | Weight  | A        | B        | C      | D       |
|--------|---------|----------|----------|--------|---------|
| 16W    | 2 lbs   | 3 3/4"   | 10 1/4"  | 2 3/8" | 12"     |
| 20W    | 2.4 lbs | 3 15/16" | 12 1/4"  | 2 3/8" | 14"     |
| 32W    | 4.4 lbs | 4 3/8"   | 16 3/16" | 2 1/2" | 17 3/4" |

## EMERGENCY BACKUP

| Emergency Application |            |               |
|-----------------------|------------|---------------|
| Wattage               | Time       | Initial Lumen |
| 4W                    | 90 Minutes | 320lm         |
| 8W                    | 90 Minutes | 650lm         |

| SKUs    |                                                                                                         |
|---------|---------------------------------------------------------------------------------------------------------|
| Wattage | SKUs                                                                                                    |
| 4W      | CRVFAD-12R-16-9CCT-UNVT-BN/EM<br>CRVFAD-12R/MVS/EM                                                      |
| 8W      | CRVFAD-14R-20-9CCT-UNVT-BN/EM<br>CRVFAD-14R/MVS/EM<br>CRVFAD-18R-32-9CCT-UNV-BN/EM<br>CRVFAD-18R/MVS/EM |

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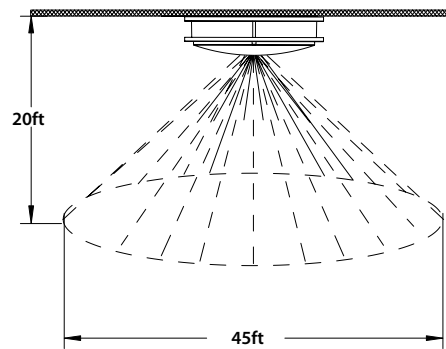
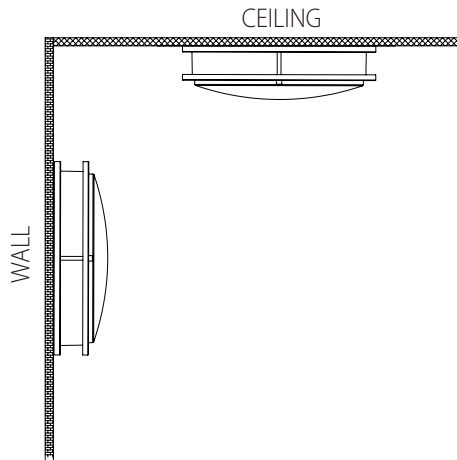
## PHOTOMETRIC DATA

| Catalog Number                | Rated Wattage (W) | CCT (K) | Lumens (lm) | Efficacy (lm/W) | EQ (W) | EM Mode Watt (W) | EM Mode Flux (lm) |
|-------------------------------|-------------------|---------|-------------|-----------------|--------|------------------|-------------------|
| CRVFAD-12R-16-9CCT-120-BN     | 16                | 2700    | 1100        | 68.8            | 75     |                  |                   |
| CRVFAD-12R-16-9CCT-UNV-BN     |                   | 3000    | 1120        | 70.0            |        |                  |                   |
| CRVFAD-12R-16-9CCT-UNV-BN/MVS |                   | 3500    | 1150        | 72.0            |        |                  |                   |
| CURVD-12/LCBS/MVS             |                   | 4000    | 1170        | 73.0            |        |                  |                   |
|                               |                   | 5000    | 1140        | 71.0            |        |                  |                   |
| CRVFAD-12R-16-9CCT-UNVT-BN/EM |                   | 2700    | 1159        | 66.6            |        | 8                | 653               |
| CRVFAD-12R/MVS/EM             |                   | 3000    | 1290        | 75.0            |        | 8                | 731               |
| CURVD-12/LCBS/MVS/E           |                   | 3500    | 1347        | 79.7            |        | 8                | 750               |
|                               |                   | 4000    | 1357        | 79.3            |        | 8                | 743               |
|                               |                   | 5000    | 1289        | 74.1            |        | 8                | 718               |
| CRVFAD-14R-20-9CCT-120-BN     | 20                | 2700    | 1400        | 70.0            | 100    |                  |                   |
| CRVFAD-14R-20-9CCT-UNV-BN     |                   | 3000    | 1440        | 72.0            |        |                  |                   |
| CRVFAD-14R-20-9CCT-UNV-BN/MVS |                   | 3500    | 1480        | 74.0            |        |                  |                   |
| CURVD-14/LCBS/MVS             |                   | 4000    | 1500        | 75.0            |        |                  |                   |
|                               |                   | 5000    | 1460        | 73.0            |        |                  |                   |
| CRVFAD-14R-20-9CCT-UNVT-BN/EM |                   | 2700    | 1435        | 66.8            |        | 8                | 659               |
| CRVFAS-14R/MVS/EM             |                   | 3000    | 1593        | 74.8            |        | 8                | 733               |
| CURVD-14/LCBS/MVS/E           |                   | 3500    | 1678        | 80.7            |        | 8                | 754               |
|                               |                   | 4000    | 1689        | 80.1            |        | 8                | 747               |
|                               |                   | 5000    | 1604        | 74.6            |        | 8                | 721               |
| CRVFAD-18R-32-9CCT-120-BN     | 32                | 2700    | 2240        | 70.0            | 150    |                  |                   |
| CRVFAD-18R-32-9CCT-UNV-BN     |                   | 3000    | 2260        | 70.5            |        |                  |                   |
| CRVFAD-18R-32-9CCT-UNV-BN/MVS |                   | 3500    | 2300        | 72.0            |        |                  |                   |
| CURVD-18/LCBS/MVS             |                   | 4000    | 2340        | 73.0            |        |                  |                   |
|                               |                   | 5000    | 2270        | 71.0            |        |                  |                   |
| CRVFAD-18R-32-9CCT-UNV-BN/EM  |                   | 2700    | 2424        | 74.3            |        | 8                | 660               |
| CRVFAD-18R/MVS/EM             |                   | 3000    | 2602        | 80.1            |        | 8                | 743               |
| CURVD-18/LCBS/MVS/E           |                   | 3500    | 2780        | 87.7            |        | 8                | 763               |
|                               |                   | 4000    | 2800        | 87.0            |        | 8                | 747               |
|                               |                   | 5000    | 2693        | 82.6            |        | 8                | 735               |

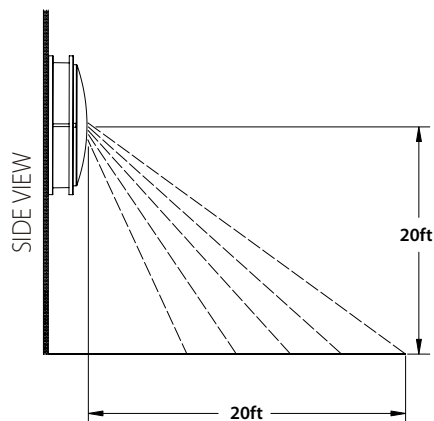
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## SENSOR DETECTION RANGE



Ceiling Mount



Wall Mount

## MICROWAVE OCCUPANCY SENSOR

The occupancy sensor default sensing will be automatically controlling the fixture to turn on or off. See factory settings below, optional remote sold separately for custom settings.

Catalog Number: **MSR1\*** (*sold separately*)

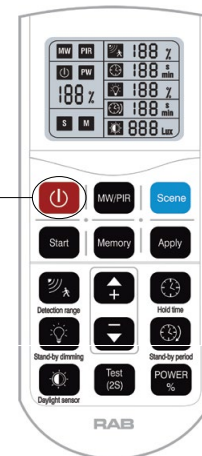
### Factory Settings:

- Brightness: **100%**
- Hold Time: **10 minutes**
- Sensitivity: **100%**
- Stand-by time: **+∞**
- Stand-by brightness: **50%**

*\* Sensor settings for /LCB models must be adjusted using the Lightcloud Blue mobile app.*

To disable the sensor, use the MSR1 remote (*sold separately*). Power on the fixture and press the Red power button twice to disable the sensor.

Red power button



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## ORDERING INFO

| Catalog Number                | UPC          | Case Pack |
|-------------------------------|--------------|-----------|
| CRVFAD-12R-16-9CCT-120-BN     | 192552003223 | 2         |
| CRVFAD-12R-16-9CCT-UNV-BN     | 192552018630 | 2         |
| CRVFAD-12R-16-9CCT-UNV-BN/MVS | 192552003247 | 2         |
| CRVFAD-12R-16-9CCT-UNVT-BN/EM | 192552018609 | 2         |
| CRVFAD-12R/MVS/EM             | 192552039833 | 2         |
| CRVFAD-14R-20-9CCT-120-BN     | 192552013321 | 2         |
| CRVFAD-14R-20-9CCT-UNV-BN     | 192552018647 | 2         |
| CRVFAD-14R-20-9CCT-UNV-BN/MVS | 192552013352 | 2         |
| CRVFAD-14R-20-9CCT-UNVT-BN/EM | 192552018616 | 2         |
| CRVFAD-14R/MVS/EM             | 192552039840 | 2         |
| CRVFAD-18R-32-9CCT-120-BN     | 192552003230 | 2         |
| CRVFAD-18R-32-9CCT-UNV-BN     | 192552018654 | 2         |
| CRVFAD-18R-32-9CCT-UNV-BN/MVS | 192552003254 | 2         |
| CRVFAD-18R-32-9CCT-UNV-BN/EM  | 192552018623 | 2         |
| CRVFAD-18R/MVS/EM             | 192552043595 | 2         |

## ORDERING MATRIX

| Family | Size | Shape | Wattage | CRI/Color Temp         | Driver   | Fixture Finish | Sensor           |
|--------|------|-------|---------|------------------------|----------|----------------|------------------|
| CRVFAD | -    | R     | -       | 9CCT                   |          | W              |                  |
|        | 12   | 12" R | 16      | 9CCT                   | 120      | BN             |                  |
|        | 14   | 14"   | 20      | 90 CRI, CCT Selectable | 120V     | Brushed Nickel | None             |
|        | 18   | 18"   | 32      |                        | 120-277V |                | Microwave Sensor |



| Product Family | Size | Shape     | CRI/Color Temp                | Driver   | Controls                      | Battery Backup |
|----------------|------|-----------|-------------------------------|----------|-------------------------------|----------------|
| CURVD          | -    |           |                               |          | /LCBS/MVS                     |                |
|                | 12   | 12" Blank | Blank                         | Blank    | /LCBS/MVS                     | Blank          |
|                | 14   | 14"       | 90 CRI, 5CCT Field Adjustable | 120-277V | Lightcloud Blue w/ MVS Sensor | Battery Backup |
|                | 18   | 18"       |                               |          |                               |                |

# CURV Field-Adjustable Surface Mount



## Dimmer Compatibility List \*(/LCB models are not compatible with TRIAC/ELV or 0-10V dimmers).

### TRIAC Dimming Models

| Dimmers      |                | # of Lamp Quantities |   |   |   |    |
|--------------|----------------|----------------------|---|---|---|----|
| Dimmer Brand | Dimmer Model   | 1                    | 2 | 4 | 6 | 10 |
| LUTRON       | MACL-153M      | ✓                    | ✓ | ✓ | ✓ | ✓  |
| LUTRON       | SCL-153P       | ✓                    | ✓ | ✓ | ✓ | ✓  |
| LEVITON      | 6674           | ✓                    | ✓ | ✓ | ✓ | ✓  |
| LUTRON       | DVCL-153P      | ✓                    | ✓ | ✓ | ✓ | ✓  |
| LEVITON      | 6672           | ✓                    | ✓ | ✓ | ✓ | ✓  |
| LEGRAND      | RHCL453PTC     | ✓                    | ✓ | ✓ | ✓ | ✓  |
| LEGRAND      | DCL453PTCCCV6  | ✓                    | ✓ | ✓ | ✓ | ✓  |
| LEGRAND      | HCL453PTCCCV6  | ✓                    | ✓ | ✓ | ✓ | ✓  |
| LUTRON       | CTCL-153PDH-WH | ✓                    | ✓ | ✓ | ✓ | ✓  |
| LUTRON       | TGCL-153PH-WH  | ✓                    | ✓ | ✓ | ✓ | ✓  |
| LEVITON      | R12-06672-1LW  | ✓                    | ✓ | ✓ | ✓ | ✓  |
| LEVITON      | R50-IPL06-10M  | ✓                    | ✓ | ✓ | ✓ | ✓  |
| LUTRON       | DVWCL-153PH-WH | ✓                    | ✓ | ✓ | ✓ | ✓  |

### 0-10V Dimming Models

|       | Dimmer Brand  | Dimmer Model |
|-------|---------------|--------------|
| 0-10V | LEVITON       | IP710-LFZ    |
|       | Easton/Cooper | DF10P-C1     |
|       | LUTRON        | DVSTV-WH     |

Visit [www.rablighting.com](http://www.rablighting.com) for periodic updates to this list or contact us at 888-722-1000 for questions or comments.

\*Motion sensor models are not dimming compatible