

|            |           |
|------------|-----------|
| DATE:      | LOCATION: |
| TYPE:      | PROJECT:  |
| CATALOG #: |           |

## FEATURES

- Efficient wet location high bay
- Suitable for a variety of areas including warehouses, gyms, covered outdoor areas, garden centers and mezzanines
- Polycarbonate lens with reflector options provide glare reduction and aesthetic customization
- Efficacy up to 144 LPW assures energy savings over traditional high bay luminaires
- Offers lumen packages from 14,000 to 38,000 lms for proper illumination on a variety of high bay applications



tradeSELECT™



## RELATED PRODUCTS

- Ø [UTB2](#)      Ø [CRB](#)

## SPECIFICATIONS

### CONSTRUCTION

- Die cast aluminum housing
- Frosted polycarbonate lens standard
- Thermally separated electronic and LED heat sink design
- 6' wet location power and dimming cords standard

### INSTALLATION

- Pendant mount from fixture eye bolt or ¾" threaded conduit with snap hook accessory
- Symmetric for easy one-for-one replacement of existing high bays
- Weight: 15 lbs.

### ELECTRICAL

- Long-life +54,000hr LEDs at L70
- Total input wattage of 100W / 150W / 200W / 240W / 270W
- Universal voltage standard (120–277V); 347V, 480V optional
- 6kV surge protection

### CONTROLS

- Microwave occupancy sensor option available. Provides fixture dimming and daylighting functionality.

### CERTIFICATIONS

- All luminaires are built to UL 1598 standards, and bear appropriate cULus labels for wet locations
- IP66 rated
- IK10 impact rated
- DLC® (DesignLights Consortium) Qualified, with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at [www.designlights.org](http://www.designlights.org)

### WARRANTY

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

| KEY DATA              |               |
|-----------------------|---------------|
| Lumen Range           | 14,000–38,000 |
| Wattage Range         | 100–270       |
| Efficacy Range (LPW)  | 124–144       |
| Reported Life (Hours) | L70/>54,000   |

|            |           |
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## ORDERING GUIDE

Example: CRN2-40LX-EDU-FP

|           |  |
|-----------|--|
| CATALOG # |  |
|-----------|--|

| CRN2                       | 50                    |                                                               | ED               |                                        | FP                       |                                                                                                                                                                                                                                                                                                 |
|----------------------------|-----------------------|---------------------------------------------------------------|------------------|----------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                      | Color Temp            | Nominal Lumens                                                | Driver           | Voltage                                | Lens                     | Options                                                                                                                                                                                                                                                                                         |
| CRN2 Wet Location High Bay | 50 5000K <sup>1</sup> | LX 14,000<br>MM 21,000<br>MV 28,000<br>MX 34,000<br>HM 38,000 | ED 0-10V Dimming | U 120-277V<br>HV 347-480V <sup>2</sup> | FP Frosted Polycarbonate | OCS Microwave Occupancy Sensor, Dimming, with photocell 1:1, Mounting Height to Coverage Ratio <sup>3,4,5</sup><br><br>TL15___ 6' Cord and Twist-Lock plug 15A (Add Voltage 1-120, 2-277) <sup>4</sup><br><br>TL20___ 6' Cord and Twist-Lock plug 20A (Add Voltage 1-120, 2-277) <sup>4,6</sup> |

## Notes:

- For 40K, please see [CRN Product family specification sheet](#)
- Please check with HLI customer service for 'HV' fixture availability
- Requires use of one commissioning remote per project
- Only available with 'U' Universal Voltage, 120-277V
- Not compatible with ELL25 25W emergency battery pack accessory
- Not compatible with OCS microwave occupancy sensor option
- Pendant mount slot on yoke is 1/2". Use CRN2-YOKE-ADPT to convert to 3/4"

## Accessories (Order Separately)

- ☐ CRN2AL18 Aluminum Reflector
- ☐ CRN2WA18 Clear PC Reflector
- ☐ CRNWW18 Diffuse PC Reflector
- ☐ CRN2-YM Yoke Mount<sup>7</sup>
- ☐ CRN2-YOKE-ADPT Yoke 3/4" Conduit Adaptor
- ☐ CRN2-SNAPHOOK Snap Hook for 3/4" Conduit
- ☐ CRN2-TLR Top Luminaire Retainer
- ☐ CRN2-ELL25 25W battery pack<sup>4</sup>
- ☐ CRN2-HBMS-REMOTE Commissioning Remote

Note: CRN accessories are compatible with CRN2.

## STOCK GUIDE

| CRN Catalog Number | CRN2 Cat. # Cross | Description                    | Lumens (CRN2) | Watts | Lm/w | Qty on Pallet | HID Replacement |
|--------------------|-------------------|--------------------------------|---------------|-------|------|---------------|-----------------|
| CRN-40LX-EDU       | —                 | 4000K, 120-277V, 0-10V dimming | 14444         | 100.6 | 144  | 20            | 250W            |
| CRN-50LX-EDU-FP    | CRN2-50LX-EDU-FP  | 5000K, 120-277V, 0-10V dimming | 14444         | 100.6 | 144  | 20            | 250W            |
| CRN-40MM-EDU       | —                 | 4000K, 120-277V, 0-10V dimming | 21702         | 150.6 | 144  | 20            | 400W            |
| CRN-50MM-EDU-FP    | CRN2-50MM-EDU-FP  | 5000K, 120-277V, 0-10V dimming | 21702         | 150.6 | 144  | 20            | 400W            |
| CRN-40MV-EDU       | —                 | 4000K, 120-277V, 0-10V dimming | 27856         | 200.0 | 139  | 20            | 750W            |
| —                  | CRN2-50MV-EDU-FP  | 5000K, 120-277V, 0-10V dimming | 27856         | 200.0 | 139  | 20            | 750W            |
| CRN-40MX-EDU       | —                 | 4000K, 120-277V, 0-10V dimming | 34202         | 245.2 | 139  | 20            | 750W            |
| CRN-50MX-EDU-FP    | CRN2-50MX-EDU-FP  | 5000K, 120-277V, 0-10V dimming | 34202         | 245.2 | 139  | 20            | 750W            |
| —                  | CRN2-40HM-EDU-FP  | 4000K, 120-277V, 0-10V dimming | 37927         | 271.4 | 140  | 20            | 1000W           |
| —                  | CRN2-50HM-EDU-FP  | 4000K, 120-277V, 0-10V dimming | 37927         | 271.4 | 140  | 20            | 1000W           |

SKU update in progress. If CRN (glass lens option) is no longer available, ordered items will be replaced with CRN2 (frosted polycarbonate lens option). Contact Hubbell Representative for more information.

**ELECTRICAL DATA**

| Output Version | Ambient Temp Range | Dimming Range | L70 Lumen Maintenance | Warranty |
|----------------|--------------------|---------------|-----------------------|----------|
| 14,000 (LX)    | -40° to 55°C       | 100% to 10%   | 54+ khrs              | 5 years  |
| 21,000 (MM)    |                    |               |                       |          |
| 28,000 (MV)    | -40° to 50°C       |               |                       |          |
| 34,000 (MX)    |                    |               |                       |          |
| 38,000 (HM)    | -40° to 45°C       |               |                       |          |

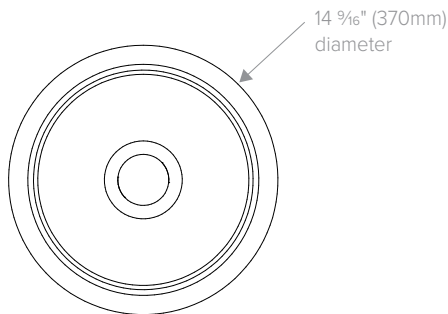
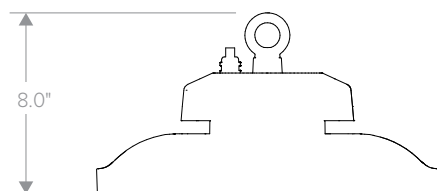
**DELIVERED LUMENS**

| Fixture               | Color | Nominal Lumens | Reflector | Lens                  | Lumens | Watts | LPW | Replaces legacy source |
|-----------------------|-------|----------------|-----------|-----------------------|--------|-------|-----|------------------------|
| CRN2-40LX-EDU-FP      | 4000K | LX<br>14,000   | None      | Frosted Polycarbonate | 14444  | 100.6 | 144 | 250W HID               |
| CRN2-40LX-EDU-FP-WW18 |       |                | Diffuse   |                       | 13137  | 100.6 | 131 |                        |
| CRN2-40LX-EDU-FP-WA18 |       |                | Clear     |                       | 13700  | 100.6 | 136 |                        |
| CRN2-40LX-EDU-FP-AL18 |       |                | Aluminum  |                       | 12776  | 100.6 | 127 |                        |
| CRN2-50LX-EDU-FP      | 5000K |                | None      | Frosted Polycarbonate | 14444  | 100.6 | 144 |                        |
| CRN2-50LX-EDU-FP-WW18 |       |                | Diffuse   |                       | 13137  | 100.6 | 131 |                        |
| CRN2-50LX-EDU-FP-WA18 |       |                | Clear     |                       | 13700  | 100.6 | 136 |                        |
| CRN2-50LX-EDU-FP-AL18 |       |                | Aluminum  |                       | 12776  | 100.6 | 127 |                        |
| CRN2-40MM-EDU-FP      | 4000K | MM<br>21,000   | None      | Frosted Polycarbonate | 21702  | 150.6 | 144 | 400W HID               |
| CRN2-40MM-EDU-FP-WW18 |       |                | Diffuse   |                       | 19860  | 150.6 | 132 |                        |
| CRN2-40MM-EDU-FP-WA18 |       |                | Clear     |                       | 20711  | 150.6 | 138 |                        |
| CRN2-40MM-EDU-FP-AL18 |       |                | Aluminum  |                       | 19314  | 150.6 | 128 |                        |
| CRN2-50MM-EDU-FP      | 5000K |                | None      | Frosted Polycarbonate | 21702  | 150.6 | 144 |                        |
| CRN2-50MM-EDU-FP-WW18 |       |                | Diffuse   |                       | 19860  | 150.6 | 132 |                        |
| CRN2-50MM-EDU-FP-WA18 |       |                | Clear     |                       | 20711  | 150.6 | 138 |                        |
| CRN2-50MM-EDU-FP-AL18 |       |                | Aluminum  |                       | 19314  | 150.6 | 128 |                        |
| CRN2-40MV-EDU-FP      | 4000K | MV<br>28,000   | None      | Frosted Polycarbonate | 27856  | 200.0 | 139 | 750W HID               |
| CRN2-40MV-EDU-FP-WW18 |       |                | Diffuse   |                       | 25550  | 200.0 | 128 |                        |
| CRN2-40MV-EDU-FP-WA18 |       |                | Clear     |                       | 26645  | 200.0 | 133 |                        |
| CRN2-40MV-EDU-FP-AL18 |       |                | Aluminum  |                       | 24848  | 200.0 | 124 |                        |
| CRN2-50MV-EDU-FP      | 5000K |                | None      | Frosted Polycarbonate | 27856  | 200.0 | 139 |                        |
| CRN2-50MV-EDU-FP-WW18 |       |                | Diffuse   |                       | 25550  | 200.0 | 128 |                        |
| CRN2-50MV-EDU-FP-WA18 |       |                | Clear     |                       | 26645  | 200.0 | 133 |                        |
| CRN2-50MV-EDU-FP-AL18 |       |                | Aluminum  |                       | 24848  | 200.0 | 124 |                        |
| CRN2-40MX-EDU-FP      | 4000K | MX<br>34,000   | None      | Frosted Polycarbonate | 34202  | 245.2 | 139 | 750W HID               |
| CRN2-40MX-EDU-FP-WW18 |       |                | Diffuse   |                       | 31368  | 245.2 | 128 |                        |
| CRN2-40MX-EDU-FP-WA18 |       |                | Clear     |                       | 32712  | 245.2 | 133 |                        |
| CRN2-40MX-EDU-FP-AL18 |       |                | Aluminum  |                       | 30506  | 245.2 | 124 |                        |
| CRN2-50MX-EDU-FP      | 5000K |                | None      | Frosted Polycarbonate | 34202  | 245.2 | 139 |                        |
| CRN2-50MX-EDU-FP-WW18 |       |                | Diffuse   |                       | 31368  | 245.2 | 128 |                        |
| CRN2-50MX-EDU-FP-WA18 |       |                | Clear     |                       | 32712  | 245.2 | 133 |                        |
| CRN2-50MX-EDU-FP-AL18 |       |                | Aluminum  |                       | 30506  | 245.2 | 124 |                        |
| CRN2-40HM-EDU-FP      | 4000K | HM<br>38,000   | None      | Frosted Polycarbonate | 37927  | 271.4 | 140 | 1000W HID              |
| CRN2-40HM-EDU-FP-WW18 |       |                | Diffuse   |                       | 34848  | 271.4 | 128 |                        |
| CRN2-40HM-EDU-FP-WA18 |       |                | Clear     |                       | 36342  | 271.4 | 134 |                        |
| CRN2-40HM-EDU-FP-AL18 |       |                | Aluminum  |                       | 33891  | 271.4 | 125 |                        |
| CRN2-50HM-EDU-FP      | 5000K |                | None      | Frosted Polycarbonate | 37927  | 271.4 | 140 |                        |
| CRN2-50HM-EDU-FP-WW18 |       |                | Diffuse   |                       | 34848  | 271.4 | 128 |                        |
| CRN2-50HM-EDU-FP-WA18 |       |                | Clear     |                       | 36342  | 271.4 | 134 |                        |
| CRN2-50HM-EDU-FP-AL18 |       |                | Aluminum  |                       | 33891  | 271.4 | 125 |                        |

## CRN2

WET LOCATION HIGH BAY

### DIMENSIONS



### PHOTOMETRY

#### CRN2-50MV-EDU-FP

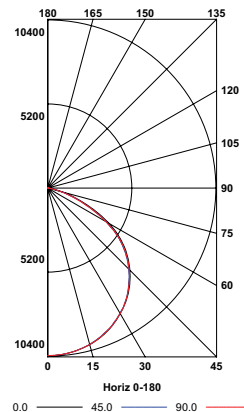
##### LUMINAIRE DATA

|                   |                            |
|-------------------|----------------------------|
| Test No.          | CRN2-50MV-EDU-FP           |
| Description       | CRN2 Wet Location High Bay |
| Delivered Lumens  | 27,874                     |
| Watts             | 200.02                     |
| Efficacy          | 139                        |
| Mounting          | Pendant                    |
| Spacing Criterion | 0° = 1.28 90° = 1.28       |

##### ZONAL LUMEN SUMMARY

| Zone  | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-30  | 8136   | 29.2        |
| 0-40  | 13410  | 48.1        |
| 0-60  | 23670  | 84.9        |
| 0-90  | 27729  | 99.5        |
| 0-180 | 27874  | 100.0       |

##### POLAR GRAPH



#### CRN2-50MV-EDU-FP-WA18

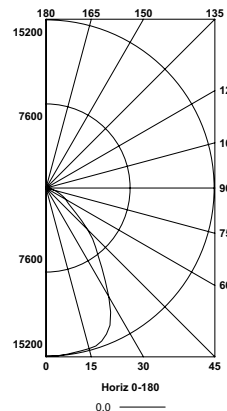
##### LUMINAIRE DATA

|                   |                            |
|-------------------|----------------------------|
| Test No.          | CRN2-50MV-EDU-FP-WA18      |
| Description       | CRN2 Wet Location High Bay |
| Delivered Lumens  | 26,678                     |
| Watts             | 200.02                     |
| Efficacy          | 133                        |
| Mounting          | Pendant                    |
| Spacing Criterion | 0° = 1.09 90° = 1.09       |

##### ZONAL LUMEN SUMMARY

| Zone  | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-30  | 11862  | 44.5        |
| 0-40  | 17423  | 65.3        |
| 0-60  | 23821  | 89.3        |
| 0-90  | 26453  | 99.2        |
| 0-180 | 26678  | 100.0       |

##### POLAR GRAPH



## PHOTOMETRY CONT'D

### CRN2-50MV-EDU-FP-WW18

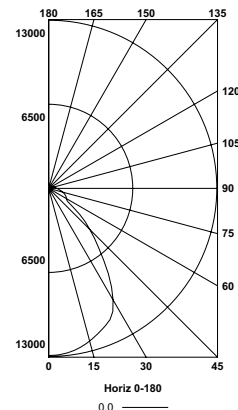
#### LUMINAIRE DATA

|                   |                            |
|-------------------|----------------------------|
| Test No.          | CRN2-50MV-EDU-FP-WW18      |
| Description       | CRN2 Wet Location High Bay |
| Delivered Lumens  | 25,577                     |
| Watts             | 200.02                     |
| Efficacy          | 128                        |
| Mounting          | Pendant                    |
| Spacing Criterion | 0° = 1.11 90° = 1.11       |

#### ZONAL LUMEN SUMMARY

| Zone  | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-30  | 9770   | 38.2        |
| 0-40  | 14761  | 57.7        |
| 0-60  | 20067  | 78.5        |
| 0-90  | 23553  | 92.1        |
| 0-180 | 25577  | 100.0       |

#### POLAR GRAPH



### CRN2-50MV-EDU-FP-AL18

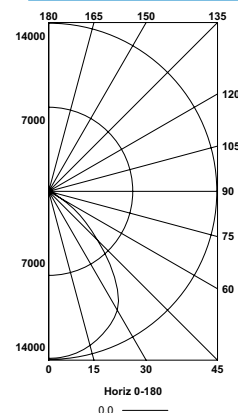
#### LUMINAIRE DATA

|                   |                            |
|-------------------|----------------------------|
| Test No.          | CRN2-50MV-EDU-FP-AL18      |
| Description       | CRN2 Wet Location High Bay |
| Delivered Lumens  | 24,878                     |
| Watts             | 200.2                      |
| Efficacy          | 124                        |
| Mounting          | Pendant                    |
| Spacing Criterion | 0° = 1.20 90° = 1.20       |

#### ZONAL LUMEN SUMMARY

| Zone  | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-30  | 10675  | 42.9        |
| 0-40  | 16842  | 67.7        |
| 0-60  | 23606  | 94.9        |
| 0-90  | 24815  | 99.7        |
| 0-180 | 24878  | 100.0       |

#### POLAR GRAPH



## ADDITIONAL INFORMATION

CLEAR POLYCARBONATE REFLECTOR



DIFFUSE POLYCARBONATE REFLECTOR



SPUN ALUMINUM REFLECTOR



FROSTED POLYCARBONATE LENS



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