

# LCRN | Husk

## Product Data Sheet

### Project Details

Project Name:

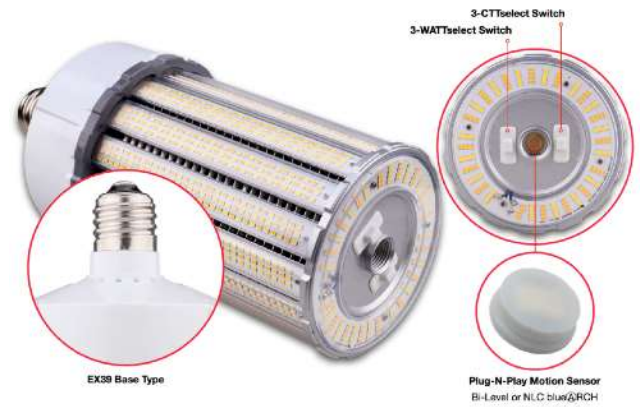
Fixture Schedule:

Project Number:

Notes:

### Key Features

- ✓ Bypass the Ballast: LED HID Replacement Solutions
- ✓ Reduce SKUs & Increase Convenience: 3-WATTselect & 3-CCTselect
- ✓ Large Passive Heat Sink, With Or Without Fans For Active Cooling
- ✓ Small Form Factor to Fit into Nearly Any Applications
- ✓ Integral Driver; Includes Built-In 4kV Surge Protection
- ✓ Dimmable: Continuous Dimming or Step Dimmer



### Certifications



### Applications



Office



School



Hospital



Commercial

### Model Specifications

| Model           | WATTselect |      |      | CCTselect                | Efficacy | Lumen   | Base |
|-----------------|------------|------|------|--------------------------|----------|---------|------|
|                 | 12W        | 18W  | 27W  |                          |          |         |      |
| LCRN1227-CSMG   | 12W        | 18W  | 27W  | 3000K<br>4000K<br>5000K* | 150lm/W  | 4050LM  | EX39 |
| LCRN2745-CSMG   | 27W        | 36W  | 45W  |                          | 150lm/W  | 6750LM  | EX39 |
| LCRN3663-CSMG   | 36W        | 54W  | 63W  |                          | 150lm/W  | 9450LM  | EX39 |
| LCRN63100-CSMG  | 63W        | 80W  | 100W |                          | 150lm/W  | 15000LM | EX39 |
| LCRN60120-CSHG  | 60W        | 90W  | 120W |                          | 150lm/W  | 18000LM | EX39 |
| LCRN100150-CSMG | 100W       | 120W | 150W |                          | 145lm/W  | 21750LM | EX39 |
| LCRN200300-CSMG | 200W       | 240W | 300W |                          | 147lm/W  | 44100LM | EX39 |

\* NOTE: Factory default setting

### Product Warranty \*

5-Year Warranty



50,000 Hrs



\* Standard warranty. Extended warranty available.



Available from 12W to 300W, replacing legacy 50W to 700W MH/HPS/HID

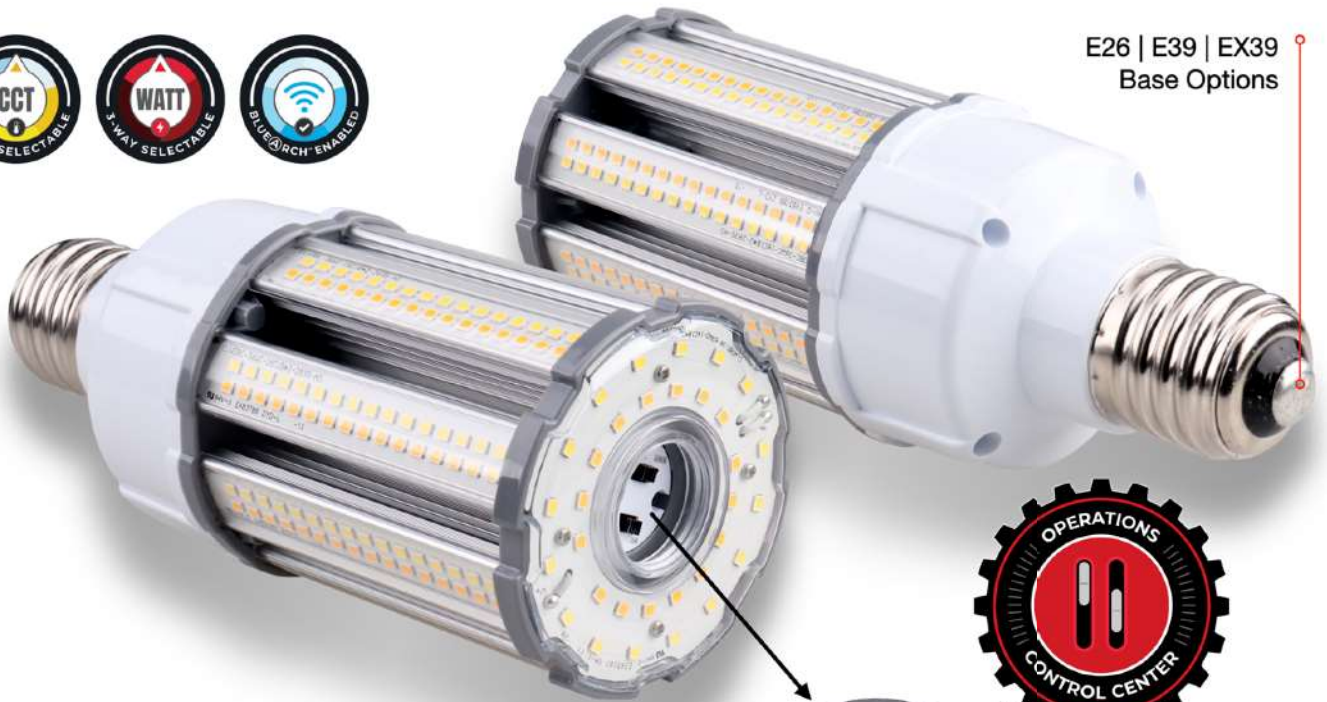


Ordering Guide

| Model Series                               | 3-WATTselect (W)             | CCTselect (K)                                     | Voltage (V)        | Sensor Ready           |
|--|------------------------------|---|--------------------|------------------------|
| <b>LCRN</b><br>LED Utility HID Replacement | <b>60120</b> 60W/90W/120W    | <b>CS</b> 3-CCTselect:<br>3000K<br>4000K<br>5000K | <b>HG</b> 277-480V | Blank Non-Sensor Ready |
|  | <b>1227</b> 12W/18W/27W      |   | <b>MG</b> 120-277V |                        |
|  | <b>2745</b> 27W/36W/45W      |   |                    |                        |
|  | <b>3663</b> 36W/54W/63W      |   |                    |                        |
|  | <b>63100</b> 63W/80W/100W    |   |                    |                        |
|  | <b>100150</b> 100W/120W/150W |   |                    |                        |
|  | <b>200300</b> 200W/240W/300W |   |                    |                        |
| <b>CATALOG #:</b>                          |                              |   |                    |                        |
| LCRN                                       |                              | CS  |                    |                        |



E26 | E39 | EX39  
Base Options



# util@RCH | Husk-Series The Easy, Yet Powerful Retrofit Solution for HID Replacement



3-CCTselect

3-WATTselect



## LCRN1227-CSMG



|                   |                    |                           |         |         |
|-------------------|--------------------|---------------------------|---------|---------|
| <b>Optical</b>    | Input Power        | 27W                       |         |         |
|                   | 3-CCTselectable    | 3000K                     | 4000K   | 5000K   |
|                   | Lumen*             | 3780LM                    | 4185LM  | 4050LM  |
|                   | Efficacy           | 140lm/W                   | 155lm/W | 150lm/W |
|                   | CRI                | >80                       |         |         |
|                   | Color Consistency  | 7 Steps (or < 7 SDCM)     |         |         |
|                   | Diffuser Type      | Clear (Optional: Frosted) |         |         |
|                   | Viewing Angle      | 280°                      |         |         |
| <b>Electrical</b> | PF                 | ≥0.9                      |         |         |
|                   | THD                | ≤20%                      |         |         |
|                   | Flicker Percent    | <50%                      |         |         |
|                   | Surge Protection   | LN: 4kV                   |         |         |
|                   | Dimmable           | YES                       |         |         |
|                   | Wattage Equivalent | 60W CFL / 100W MH/HPS/HID |         |         |
| <b>Materials</b>  | LED Brand          | Lumileds                  |         |         |
|                   | LED Type           | SMD2835                   |         |         |
|                   | LED Qty            | 112/3000K + 112/5000K     |         |         |
|                   | Housing            | PC + Aluminum             |         |         |
|                   | Weather Rating     | IP64                      |         |         |
| <b>Others</b>     | Operating Temp     | -40°F to 122°F            |         |         |
|                   | Ambient Temp       | -40°F to 176°F            |         |         |
|                   | Operating Humidity | 20% to 70% RH             |         |         |
|                   | Ambient Humidity   | 10% to 75% RH             |         |         |
|                   | Case Quantity      | 24                        |         |         |

## LCRN2745-CSMG



|                   |                    |                            |         |         |
|-------------------|--------------------|----------------------------|---------|---------|
| <b>Optical</b>    | Input Power        | 45W                        |         |         |
|                   | 3-CCTselectable    | 3000K                      | 4000K   | 5000K   |
|                   | Lumen*             | 6300LM                     | 6975LM  | 6750LM  |
|                   | Efficacy           | 140lm/W                    | 155lm/W | 150lm/W |
|                   | CRI                | >80                        |         |         |
|                   | Color Consistency  | 7 Steps (or < 7 SDCM)      |         |         |
|                   | Diffuser Type      | Clear (Optional: Frosted)  |         |         |
|                   | Viewing Angle      | 280°                       |         |         |
| <b>Electrical</b> | PF                 | ≥0.9                       |         |         |
|                   | THD                | ≤20%                       |         |         |
|                   | Flicker Percent    | <50%                       |         |         |
|                   | Surge Protection   | LN: 4kV                    |         |         |
|                   | Dimmable           | YES                        |         |         |
|                   | Wattage Equivalent | 100W CFL / 150W MH/HPS/HID |         |         |
| <b>Materials</b>  | LED Brand          | Lumileds                   |         |         |
|                   | LED Type           | SMD2835                    |         |         |
|                   | LED Qty            | 204/3000K + 204/5000K      |         |         |
|                   | Housing            | PC + Aluminum              |         |         |
|                   | Weather Rating     | IP64                       |         |         |
| <b>Others</b>     | Operating Temp     | -40°F to 122°F             |         |         |
|                   | Ambient Temp       | -40°F to 176°F             |         |         |
|                   | Operating Humidity | 20% to 70% RH              |         |         |
|                   | Ambient Humidity   | 10% to 75% RH              |         |         |
|                   | Case Quantity      | 12                         |         |         |


**Notes:**


\* Tolerance: ±10%

\*\* Tolerance: -10% Within Luminaires

\*\*\* Tolerance: -3% Within Luminaires



| LCRN3663-CSMG  |                    |                             |         |         |
|---|--------------------|-----------------------------|---------|---------|
| <b>Optical</b>  | Input Power        | 63W                         |         |         |
|   | 3-CCTselectable    | 3000K                       | 4000K   | 5000K   |
|   | Lumen*             | 8820LM                      | 9765LM  | 9540LM  |
|   | Efficacy           | 140LM/W                     | 155LM/W | 150LM/W |
|   | CRI                | >80                         |         |         |
|   | Color Consistency  | 7 Steps (or < 7 SDCM)       |         |         |
|   | Diffuser Type      | Clear (Optional: Frosted)   |         |         |
|   | Viewing Angle      | 280°                        |         |         |
| <b>Electrical</b>   | PF                 | ≥0.9                        |         |         |
|   | THD                | ≤20%                        |         |         |
|   | Flicker Percent    | <50%                        |         |         |
|   | Surge Protection   | LN: 4kV                     |         |         |
|   | Dimmable           | YES                         |         |         |
|   | Wattage Equivalent | 120W CFL / 175W MHL/HPS/HID |         |         |
| <b>Materials</b>  | LED Brand          | Lumileds                    |         |         |
|   | LED Type           | SMD2835                     |         |         |
|   | LED Qty            | 272/3000K + 272/5000K       |         |         |
|   | Housing            | PC + Aluminum               |         |         |
|   | Weather Rating     | IP64                        |         |         |
| <b>Others</b>   | Operating Temp     | -40°F to 122°F              |         |         |
|   | Ambient Temp       | -40°F to 176°F              |         |         |
|   | Operating Humidity | 20% to 70% RH               |         |         |
|   | Ambient Humidity   | 10% to 75% RH               |         |         |
|   | Case Quantity      | 12                          |         |         |

| LCRN63100-CSMG  |                    |                             |         |         |
|--|--------------------|-----------------------------|---------|---------|
| <b>Optical</b>   | Input Power        | 100W                        |         |         |
|  | 3-CCTselectable    | 3000K                       | 4000K   | 5000K   |
|  | Lumen*             | 14000LM                     | 15500LM | 15000LM |
|  | Efficacy           | 140LM/W                     | 155LM/W | 150LM/W |
|  | CRI                | >80                         |         |         |
|  | Color Consistency  | 7 Steps (or < 7 SDCM)       |         |         |
|  | Diffuser Type      | Clear (Optional: Frosted)   |         |         |
|  | Viewing Angle      | 280°                        |         |         |
| <b>Electrical</b>  | PF                 | ≥0.9                        |         |         |
|  | THD                | ≤20%                        |         |         |
|  | Flicker Percent    | <50%                        |         |         |
|  | Surge Protection   | LN: 4kV                     |         |         |
|  | Dimmable           | YES                         |         |         |
|  | Wattage Equivalent | 200W CFL / 250W MHL/HPS/HID |         |         |
| <b>Materials</b>   | LED Brand          | Lumileds                    |         |         |
|  | LED Type           | SMD2835                     |         |         |
|  | LED Qty            | 416/3000K + 416/5000K       |         |         |
|  | Housing            | PC + Aluminum               |         |         |
|  | Weather Rating     | IP64                        |         |         |
| <b>Others</b>  | Operating Temp     | -40°F to 122°F              |         |         |
|  | Ambient Temp       | -40°F to 176°F              |         |         |
|  | Operating Humidity | 20% to 70% RH               |         |         |
|  | Ambient Humidity   | 10% to 75% RH               |         |         |
|  | Case Quantity      | 6                           |         |         |


**Notes:**


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\*\*\* Tolerance: -3% Within Luminaires



| LCRN100150-CSMG  |                    |                           |         |         |
|---|--------------------|---------------------------|---------|---------|
| <b>Optical</b>  | Input Power        | 150W                      |         |         |
|   | 3-CCTselectable    | 3000K                     | 4000K   | 5000K   |
|   | Lumen*             | 20550LM                   | 23100LM | 21750LM |
|   | Efficacy           | 137LM/W                   | 154LM/W | 145LM/W |
|   | CRI                | >80                       |         |         |
|   | Color Consistency  | 7 Steps (or < 7 SDCM)     |         |         |
|   | Diffuser Type      | Clear (Optional: Frosted) |         |         |
|   | Viewing Angle      | 280°                      |         |         |
| <b>Electrical</b>   | PF                 | ≥0.9                      |         |         |
|   | THD                | ≤20%                      |         |         |
|   | Flicker Percent    | <50%                      |         |         |
|   | Surge Protection   | LN: 4kV                   |         |         |
|   | Dimmable           | YES                       |         |         |
|   | Wattage Equivalent | 400W MHL/HPS/HID          |         |         |
| <b>Materials</b>  | LED Brand          | Lumileds                  |         |         |
|   | LED Type           | SMD2835                   |         |         |
|   | LED Qty            | 459/3000K + 459/5000K     |         |         |
|   | Housing            | PC + Aluminum             |         |         |
|   | Weather Rating     | IP64                      |         |         |
| <b>Others</b>   | Operating Temp     | -40°F to 122°F            |         |         |
|   | Ambient Temp       | -40°F to 176°F            |         |         |
|   | Operating Humidity | 20% to 70% RH             |         |         |
|   | Ambient Humidity   | 10% to 75% RH             |         |         |
|   | Case Quantity      | 6                         |         |         |

| LCRN200300-CSMG  |                    |                           |         |         |
|---|--------------------|---------------------------|---------|---------|
| <b>Optical</b>  | Input Power        | 300W                      |         |         |
|   | 3-CCTselectable    | 3000K                     | 4000K   | 5000K   |
|   | Lumen*             | 41700LM                   | 46200LM | 44100LM |
|   | Efficacy           | 139LM/W                   | 154LM/W | 147LM/W |
|   | CRI                | >80                       |         |         |
|   | Color Consistency  | 7 Steps (or < 7 SDCM)     |         |         |
|   | Diffuser Type      | Clear (Optional: Frosted) |         |         |
|   | Viewing Angle      | 280°                      |         |         |
| <b>Electrical</b>   | PF                 | ≥0.9                      |         |         |
|   | THD                | ≤20%                      |         |         |
|   | Flicker Percent    | <50%                      |         |         |
|   | Surge Protection   | LN: 4kV                   |         |         |
|   | Dimmable           | YES                       |         |         |
|   | Wattage Equivalent | 700W MHL/HPS/HID          |         |         |
| <b>Materials</b>  | LED Brand          | Lumileds                  |         |         |
|   | LED Type           | SMD2835                   |         |         |
|   | LED Qty            | 874/3000K + 874/5000K     |         |         |
|   | Housing            | PC + Aluminum             |         |         |
|   | Weather Rating     | IP64                      |         |         |
| <b>Others</b>   | Operating Temp     | -40°F to 122°F            |         |         |
|   | Ambient Temp       | -40°F to 176°F            |         |         |
|   | Operating Humidity | 20% to 70% RH             |         |         |
|   | Ambient Humidity   | 10% to 75% RH             |         |         |
|   | Case Quantity      | 6                         |         |         |

**Notes:**

\* Tolerance: ±10%

\*\* Tolerance: -10% Within Luminaires

\*\*\* Tolerance: -3% Within Luminaires



## LCRN60120-CSHG



|                   |                    |                             |         |         |
|-------------------|--------------------|-----------------------------|---------|---------|
| <b>Optical</b>    | Input Power        | 120W                        |         |         |
|                   | 3-CCTselectable    | 3000K                       | 4000K   | 5000K   |
|                   | Lumen*             | 16800LM                     | 18600LM | 18000LM |
|                   | Efficacy           | 140LM/W                     | 155LM/W | 150LM/W |
|                   | CRI                | >80                         |         |         |
|                   | Color Consistency  | 7 Steps (or <7 SDCM)        |         |         |
|                   | Diffuser Type      | Clear (Optional: Frosted)   |         |         |
|                   | Viewing Angle      | 280°                        |         |         |
| <b>Electrical</b> | PF                 | ≥0.9                        |         |         |
|                   | THD                | ≤20%                        |         |         |
|                   | Flicker Percent    | <50%                        |         |         |
|                   | Surge Protection   | LN: 4kV                     |         |         |
|                   | Dimmable           | YES                         |         |         |
|                   | Wattage Equivalent | 200W CFL / 400W MHL/HPS/HID |         |         |
| <b>Materials</b>  | LED Brand          | Lumileds                    |         |         |
|                   | LED Type           | SMD2835                     |         |         |
|                   | LED Qty            | 494/3000K + 494/5000K       |         |         |
|                   | Housing            | PC + Aluminum               |         |         |
|                   | Weather Rating     | IP64                        |         |         |
| <b>Others</b>     | Operating Temp     | -40°F to 122°F              |         |         |
|                   | Ambient Temp       | -40°F to 176°F              |         |         |
|                   | Operating Humidity | 20% to 70% RH               |         |         |
|                   | Ambient Humidity   | 10% to 75% RH               |         |         |
|                   | Case Quantity      | 12                          |         |         |

**Notes:**

\* Tolerance: ±10%

\*\* Tolerance: -10% Within Luminaires

\*\*\* Tolerance: -3% Within Luminaires