

|               |       |
|---------------|-------|
| Project Name: | Type: |
| Part Number:  | Date: |

# PXCYL Cylinder 8"

## SPECIFICATION FEATURES

- **Mechanical** - Compact fixture body made from die cast aluminum. Proprietary selectable output driver and polycarbonate lens design provide high quality light to compliment any space. Fixture bodies are available in matte black and matte white, or additional customized colors. Available in Surface, Pendant, Swivel, Suspension cable or Wall mount configuration.
- **Electrical** - Two selectable lumen output driver options with SelectDrive technology. The 120V, 50/60 Hz driver is forward or reverse phase dimmable to 5%. The 120-277V, 50/60 Hz driver is 0-10V dimmable to 5% with a low end cutoff and comes with a 12V auxiliary port that provides power for field installed sensors and control modules. Additional DualDim driver is also available, with 0-10V dimming down to 1% at 120-277V and Forward/Reverse phase dimming at 120V only. Static lumen output driver options include the Lutron Hi-Lume 1% EcoSystem driver with Soft-On, Fade-to-Black which dims to 1%. EldoLED ECOdrive and SOLOdrive drivers are available in 0-10V and DALI configurations and dim smoothly to 1% and 0.1% respectively. Features optional integrated 6W emergency driver for maintaining a visually appealing consistency, other emergency options for higher power are also available for external field installation.
- **Optical** - Flanged spun aluminum reflector. 45° optical cutoff. Field interchangeable optical lenses. Five beam distributions ranging from 15° - 75°. Wall wash field installed accessory. COB LED binned to 3-step SDCM to ensure color uniformity in 2700K, 3000K, 3500K, 4000K or 5000K CCT. Minimum 90 CRI. 97 CRI with TRUE CHROMA available in 3000K only.
- **Thermal** - Die cast heat sink maximizes passive thermal management and achieves an L70 rated lifetime of 50,000 hours. Fixture operating temperature: -22°F to 95°F (-30°C to 35°C). With EM-INT option fixture should be installed in a controlled environment with ambient temperature not exceeding 77°F (25°C).
- **Compliance and Warranty** - ETL Listed for damp location, WET location available for Surface Mount and Wall Mount downlighting under covered ceiling. Complies with FCC 47CFR Part 15B consumer limits for EMI/RFI emissions. 5 year parts warranty for complete fixture. Optional 10 Year Extended Warranty available, subject to same terms, conditions and installation requirements as standard 5 Year Warranty. BAA Compliant Luminaire.



## DIGITAL NAVIGATION Explore the spec sheet through the links below

|                                                |                                           |
|------------------------------------------------|-------------------------------------------|
| <a href="#">ORDERING GUIDE</a>                 | <a href="#">LINE DRAWINGS</a>             |
| <a href="#">ACCESSORY ORDERING INFORMATION</a> | <a href="#">INSTALLATION</a>              |
| <a href="#">TECHNICAL INFORMATION</a>          | <a href="#">NOMINAL PERFORMANCE</a>       |
| <a href="#">PHOTOMETRY</a>                     | <a href="#">CERTIFICATION INFORMATION</a> |



## BENEFITS

- Get the right amount of light with SelectDrive technology
- Multiple finish and customization available to match any décor
- Surface, Pendant, Cable, Down-wall and Up-wall mounting options are available
- Field interchangeable optics ensure smooth light levels
- Large variety of dimming and sensor control options
- Integrated EM option for ease of maintenance and product installation

## SUITABLE APPLICATIONS

- Retail
- Hospitality
- Residential
- Education
- Healthcare



# PXCYL Cylinder 8"

## ORDERING GUIDE

### SelectDrive Light Engine

PART #

Example: PXCYL8/SM/LEM9035/KDIM010UNV/MD/WH/CC

| Series                     | Size    | Mounting                               | Light Engine <sup>7</sup>                           | CRI                                              | CCT                      | Driver                                                                                                 | Optical Distribution                | Cylinder Finish               | Reflector Finish              | Options                                                                           |
|----------------------------|---------|----------------------------------------|-----------------------------------------------------|--------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------|-------------------------------|-----------------------------------------------------------------------------------|
| PXCYL<br>PXCYL<br>Cylinder | 8<br>8" | SM<br>Surface Mount                    | LES<br>Small Light Engine<br>500-700-1000 lumens    | 90<br>CRI 90+                                    | 27 <sup>3</sup><br>2700K | KDIM120V<br>SelectDrive 120V, 50/60Hz<br>Forward/Reverse phase dimming                                 | SP<br>Spot 15°<br>Beam Angle        | WH<br>Matte White             | CC<br>Clear                   | BLANK<br>None                                                                     |
|                            |         | CM <sup>1</sup><br>Cable Mount Ready   | LEM<br>Medium Light Engine<br>1500-2000-2500 lumens | 97 <sup>2,3</sup><br>97 CRI 3000K<br>TRUE CHROMA | 30<br>3000K              | KDIM010UNV<br>SelectDrive 120-277V,<br>50/60Hz<br>0-10V dimming                                        | VN<br>Very Narrow<br>25° Beam Angle | BL<br>Matte Black             | WH<br>White                   | EM-INT <sup>6</sup><br>6W Integrated EM Backup<br>CEC Compliant                   |
|                            |         | PM <sup>1</sup><br>Pendant Mount Ready | LEL<br>Large Light Engine<br>3000-4000-5000 lumens  |                                                  | 35<br>3500K              | DUALDIM1<br>0-10V dimming to 1% at<br>120-277V, and Forward/<br>Reverse phase dimming at<br>120V only. | NR<br>Narrow 40°<br>Beam Angle      | BZ <sup>4</sup><br>Bronze     | CZ <sup>4</sup><br>Customized | WET <sup>5</sup><br>Wet Location Ready                                            |
|                            |         | WM<br>Wall Mount                       |                                                     |                                                  | 40<br>4000K              |                                                                                                        | MD<br>Medium 60°<br>Beam Angle      | SV <sup>4</sup><br>Silver     |                               | AWN <sup>8</sup><br>Lutron Athena Node                                            |
|                            |         | WMUP<br>Wall Mount Up lighting         |                                                     |                                                  | 50 <sup>3</sup><br>5000K |                                                                                                        | WD<br>Wide 75°<br>Beam Angle        | CZ <sup>4</sup><br>Customized |                               | For additional Emergency<br>options please see field<br>installable options below |

### Fixed Lumen Output Light Engine

PART #

Example: PXCYL8/SM/LE209035/XT010UNV/MD/WH/CC

| Series                     | Size    | Mounting                               | Light Engine         | CRI                                              | CCT                      | Driver                                                                                              | Optical Distribution                | Cylinder Finish               | Reflector Finish              | Options                                                                           |
|----------------------------|---------|----------------------------------------|----------------------|--------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------|-------------------------------|-----------------------------------------------------------------------------------|
| PXCYL<br>PXCYL<br>Cylinder | 8<br>8" | SM<br>Surface Mount                    | LE05<br>500 lumens   | 90<br>CRI 90+                                    | 27 <sup>3</sup><br>2700K | DUALDIM1<br>0-10V dimming to 1% at 120-<br>277V, and Forward/Reverse<br>phase dimming at 120V only. | SP<br>Spot 15°<br>Beam Angle        | WH<br>Matte White             | CC<br>Clear                   | BLANK<br>None                                                                     |
|                            |         | CM <sup>1</sup><br>Cable Mount Ready   | LE07<br>700 lumens   | 97 <sup>2,3</sup><br>97 CRI 3000K<br>TRUE CHROMA | 30<br>3000K              | XT010UNV<br>0-10V 1% Xitanium Driver,<br>120-277V                                                   | VN<br>Very Narrow<br>25° Beam Angle | BL<br>Matte Black             | WH<br>White                   | EM-INT <sup>6</sup><br>6W Integrated EM Backup<br>CEC Compliant                   |
|                            |         | PM <sup>1</sup><br>Pendant Mount Ready | LE10<br>1,000 lumens |                                                  | 35<br>3500K              | LUT-1UNV<br>Lutron EcoSystem 1%<br>Dimming, 120-277V                                                | NR<br>Narrow 40°<br>Beam Angle      | BZ <sup>4</sup><br>Bronze     | CZ <sup>4</sup><br>Customized | WET <sup>5</sup><br>Wet Location Ready                                            |
|                            |         | WM<br>Wall Mount                       | LE15<br>1,500 lumens |                                                  | 40<br>4000K              | LUT-L3DUNV<br>Lutron Hi-lume 3-Wire 1%<br>Dimming, 120-277V                                         | MD<br>Medium 60°<br>Beam Angle      | SV <sup>4</sup><br>Silver     |                               | For additional Emergency<br>options please see field<br>installable options below |
|                            |         | WMUP<br>Wall Mount Up lighting         | LE20<br>2,000 lumens |                                                  | 50 <sup>3</sup><br>5000K | ELD-E010UNV<br>EldoLED ECOdrive 0-10V<br>1%, 120-277V                                               | WD<br>Wide 75°<br>Beam Angle        | CZ <sup>4</sup><br>Customized |                               |                                                                                   |
|                            |         |                                        | LE25<br>2,500 lumens |                                                  |                          | ELD-EDALIUNV<br>EldoLED ECOdrive DALI 1%,<br>120-277V                                               |                                     |                               |                               |                                                                                   |
|                            |         |                                        | LE30<br>3,000 lumens |                                                  |                          | ELD-S010UNV<br>EldoLED SOLdrive 0-10V<br>0.1%, 120-277V                                             |                                     |                               |                               |                                                                                   |
|                            |         |                                        | LE40<br>4,000 lumens |                                                  |                          | ELD-SDALIUNV<br>EldoLED SOLdrive DALI<br>0.1%, 120-277V                                             |                                     |                               |                               |                                                                                   |
|                            |         |                                        | LE50<br>5,000 lumens |                                                  |                          | OSRDIM010347V<br>Osram OPTOTRONIC 0-10V<br>1%, 347V                                                 |                                     |                               |                               |                                                                                   |
|                            |         |                                        |                      |                                                  |                          |                                                                                                     |                                     |                               |                               |                                                                                   |
|                            |         |                                        |                      |                                                  |                          |                                                                                                     |                                     |                               |                               |                                                                                   |
|                            |         |                                        |                      |                                                  |                          |                                                                                                     |                                     |                               |                               |                                                                                   |
|                            |         |                                        |                      |                                                  |                          |                                                                                                     |                                     |                               |                               |                                                                                   |
|                            |         |                                        |                      |                                                  |                          |                                                                                                     |                                     |                               |                               |                                                                                   |

#### FOOTNOTES:

- Cable and Pendant Mount ready for Stem or Cable Suspension, order Canopy type and length separately.
- TRUE CHROMA only available for 3000K, contact factory for detail and other CCT.
- Non-stock item: may be subject to extended lead time and minimum order quantity. Please contact factory for details.
- Please contact factory for silver, bronze and customized finish color or customized reflectors for feasibility and lead times.
- WET location are available only for Surface Mounted and Wall Mount downlighting under covered ceiling. WET location is not compatible with any sensor options.
- EM-INT is integrated Emergency unit, factory installed, with test button on the Cylinder. Fixture with EM-INT should be installed in a controlled environment with ambient temperature not exceeding 77°F (25°C).
- Factory setting at highest lumen output for selectable lumen outputs.
- Only available with KDIM010UNV, using 12V Aux.



# PXCYL Cylinder 8"

## MOUNTING AND CANOPY ACCESSORIES AND OPTIONS

| PART #                                                                                                   |                                     |                                                 | Example: CABLECPY/WH/50/18/3                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Series                                                                                                   | Color                               | Length <sup>2</sup>                             | Cord Type                                                                                                                                                         |
| <b>CABLECPY<sup>1</sup></b><br>Cable mount canopy for flat and slope ceiling (use with CM mounting only) | <b>WH</b><br>White                  | <b>50</b><br>Adjustable length up to 50" max.   | <b>18/3</b><br>3 x 18 AWG, for non Dimming or TRIAC/ELV                                                                                                           |
|                                                                                                          | <b>BL</b><br>Black                  | <b>72</b><br>Adjustable length up to 72" max.   | <b>18/3-22/2</b><br>3 x 18 AWG, 2 x 22 AWG (purple, pink), for 0-10V control and dimming and/or to connect a field installable micro inverter (FHUPS1-UNV-25L-SD) |
|                                                                                                          | <b>CZ<sup>3</sup></b><br>Customized | <b>100</b><br>Adjustable length up to 100" max. | <b>18/4-22/2</b><br>4 x 18 AWG, 2 x 22 AWG, for emergency wiring with EM-INT option or field installable EM driver (FHSCP-UNV-10.7WL(-CEC))                       |
|                                                                                                          |                                     | <b>CZ<sup>3</sup></b><br>Customized             |                                                                                                                                                                   |

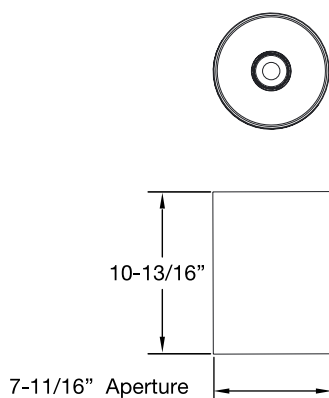
| PART #                                                                                                                                     |                                     |                                     | Example: STEMSCCPY/3-8/WH/12/18/3                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Series                                                                                                                                     | Color                               | Length                              | Cord Type                                                                                                                                                         |
| <b>STEMSCCPY/3-8<sup>1</sup></b><br>Pendant Canopy with 3/8 IPS Stem for flat and slope ceiling up to 45° (Use with PM only)               | <b>WH</b><br>White                  | <b>12</b><br>12" long               | <b>18/3</b><br>3 x 18 AWG, for non Dimming or TRIAC/ELV                                                                                                           |
|                                                                                                                                            | <b>BL</b><br>Black                  | <b>24</b><br>24" long               | <b>18/3-22/2</b><br>3 x 18 AWG, 2 x 22 AWG (purple, pink), for 0-10V control and dimming and/or to connect a field installable micro inverter (FHUPS1-UNV-25L-SD) |
|                                                                                                                                            | <b>CZ<sup>3</sup></b><br>Customized | <b>36</b><br>36" long               | <b>18/4-22/2</b><br>4 x 18 AWG, 2 x 22 AWG, for emergency wiring with EM-INT option or field installable EM driver (FHSCP-UNV-10.7WL(-CEC))                       |
|                                                                                                                                            |                                     | <b>48</b><br>48" long               |                                                                                                                                                                   |
| <b>STEMCDTFCCPY/3-8<sup>4</sup></b><br>Jbox Cover Canopy with 3/8 IPS Stem, for flat ceiling with 4x side conduits pass (Use with PM only) |                                     | <b>CZ<sup>3</sup></b><br>Customized |                                                                                                                                                                   |

### FOOTNOTES:

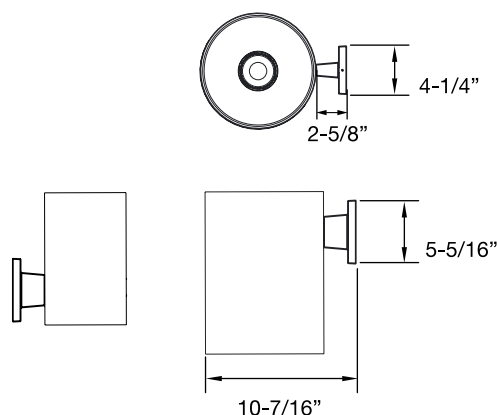
- The Stem and cable canopies can be used for both plane and slope ceiling.
- Cord length will be approximately 12" longer than cable or Stem.
- Please contact factory for customized color and length. Please note the minimum customizable length of stem is 6".

## LINE DRAWINGS

CEILING



WALL MOUNT

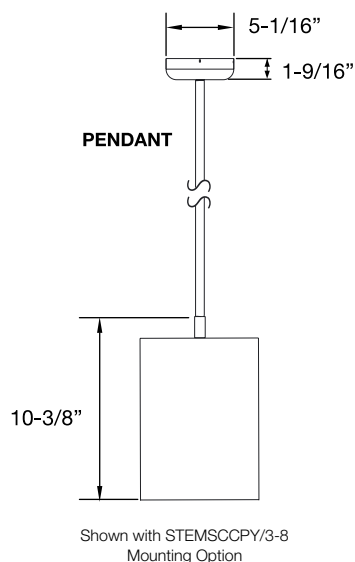




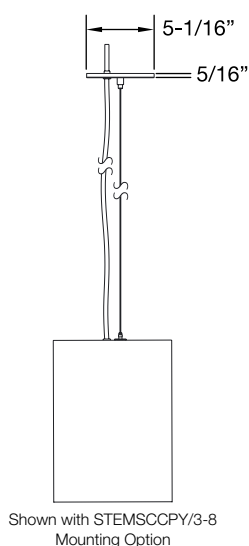
# PXCYL Cylinder 8"

## LINE DRAWINGS

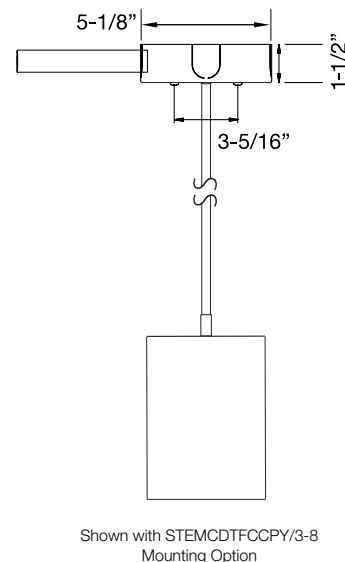
### PENDANT



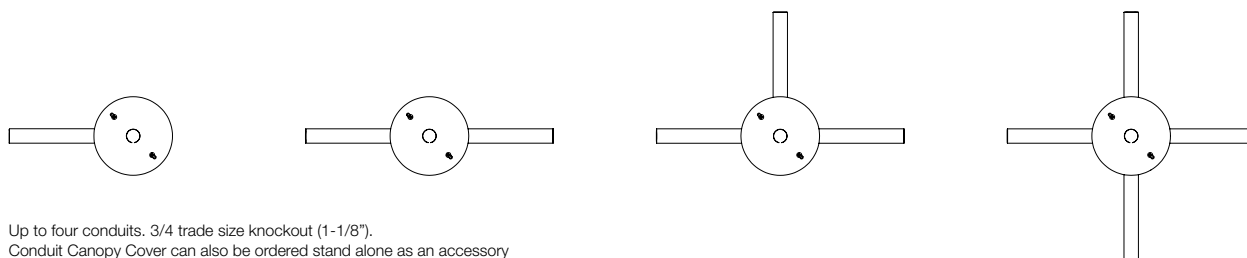
### CABLE



### CONDUIT CANOPY PENDANT



### CONDUIT CONFIGURATION OPTIONS

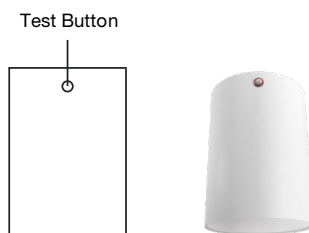




# PXCYL Cylinder 8"

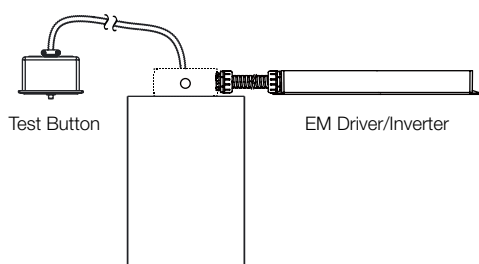
## LINE DRAWINGS

### WITH EM-INT

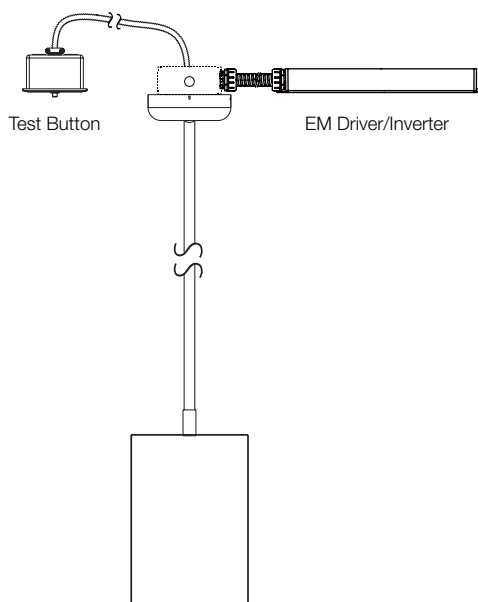


EM Driver and Test button are integrated in the Cylinder and Factory installed.  
Test button is located on the upper part of the cylinder.  
Consult factory for additional options.

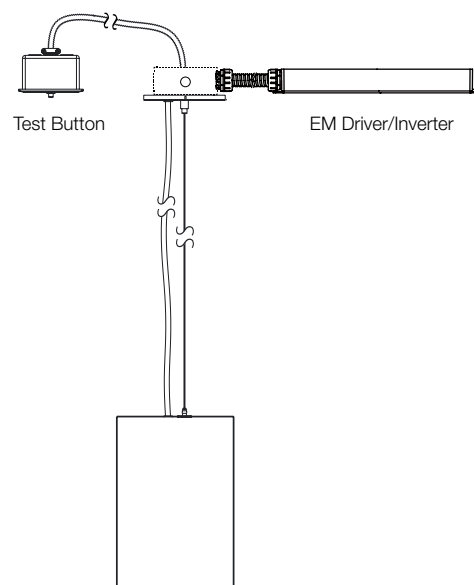
### WITH FIELD INSTALLABLE EM



Field installable remote EM driver and Test button shown in surface mount installation. Test button is supplied with EM driver/inverter.  
Electrical Box and Single gang j-box by others.

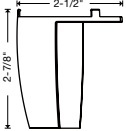
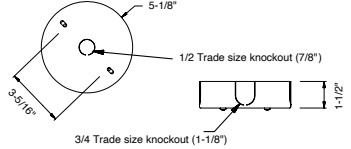
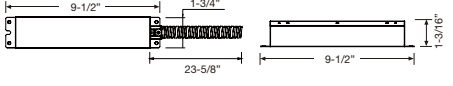
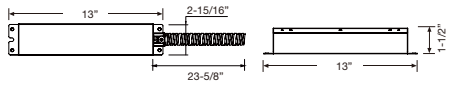
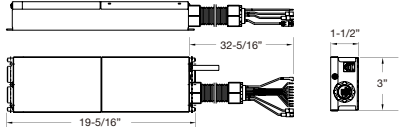
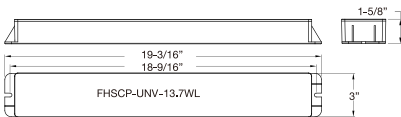


Field installable remote EM driver and Test button shown in Pendant Mount installation. Test button is supplied with EM driver/inverter. Need to be used with 18-3/2-22 type cord for FHUPS1-UNV-25L-SD or 18-4/22-2 for FHSCP-UNV-10.7WL/FHSCP-UNV-10.7WL-CEC  
Electrical Box and Single gang j-box by others.



Field installable remote EM driver and Test button shown in Cable Mount installation. Test button is supplied with EM driver/inverter. Need to be use with 18-3/2-22 type cord for FHUPS1-UNV-25L-SD or 18-4/22-2 for FHSCP-UNV-10.7WL/FHSCP-UNV-10.7WL-CEC  
Electrical Box and Single gang j-box by others.

# PXCYL Cylinder 8"

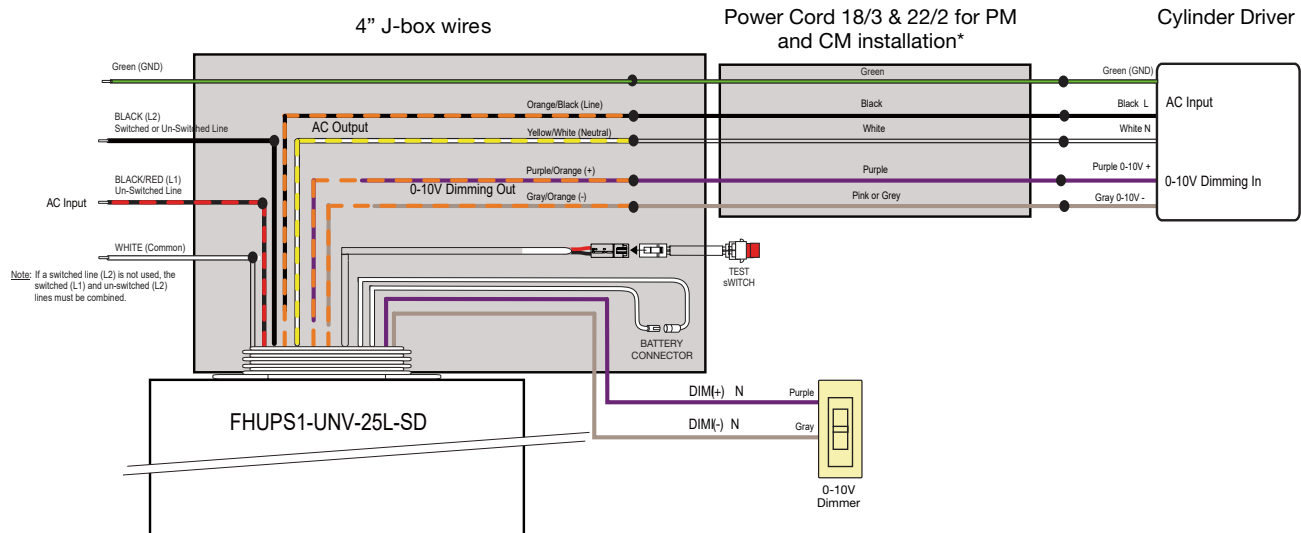
| ACCESSORY ORDERING INFORMATION |                   |                                                                                                                                                                                                               |                                                                                     |                                                                                       |
|--------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Product                        | Model             | Description                                                                                                                                                                                                   | Pictures                                                                            | Dimensions                                                                            |
| 98079                          | ADWAW             | Wall Wash<br>(Field Installed on Module)                                                                                                                                                                      |    |    |
| JCOV-WH                        | JCOV-WH           | White finish, decorative Jbox cover, with 4 side conduit pass-through.                                                                                                                                        |    |    |
| JCOV-BK                        | JCOV-BK           | Black finish, decorative Jbox cover, with 4 side conduit pass-through.                                                                                                                                        |    |                                                                                       |
| 37934                          | 8EMINVERTER       | California Title 20 Compliant<br>8W Emergency LED Inverter<br>(Field Installation)<br>Compatible for 0-10V dimming models with LES, LEM and LEL light engines.                                                |    |    |
| 37935                          | 21EMINVERTER      | California Title 20 Compliant<br>21W Emergency LED Inverter<br>(Field Installation)<br>Compatible for 0-10V dimming models with LES, LEM and LEL light engines, or 120V dimming models with LES light engine. |  |  |
| FHUPS1-UNV-25L-SD              | FHUPS1-UNV-25L-SD | 25W Emergency Micro Inverter for field installation to use with 0-10V Driver options. 100-277VAC (up to 150W with use of 0-10V dimming). CEC Compliant.                                                       |  |  |
| FHSCP-UNV-10.7WL               | FHSCP-UNV-10.7WL  | 10.7W Emergency Driver for field installation to use with 120V and 0-10V Driver option in SM/MM mounting and 120V and non 0-10V Driver options for PM/CM mounting. CEC Compliant.                             |  |  |

Note: For details of compatibility between each emergency solution and specific product models, please refer to the Products Emergency Compatibility Matrix file available on <https://greencreative.com/emergency-accessories/>

# PXCYL Cylinder 8"

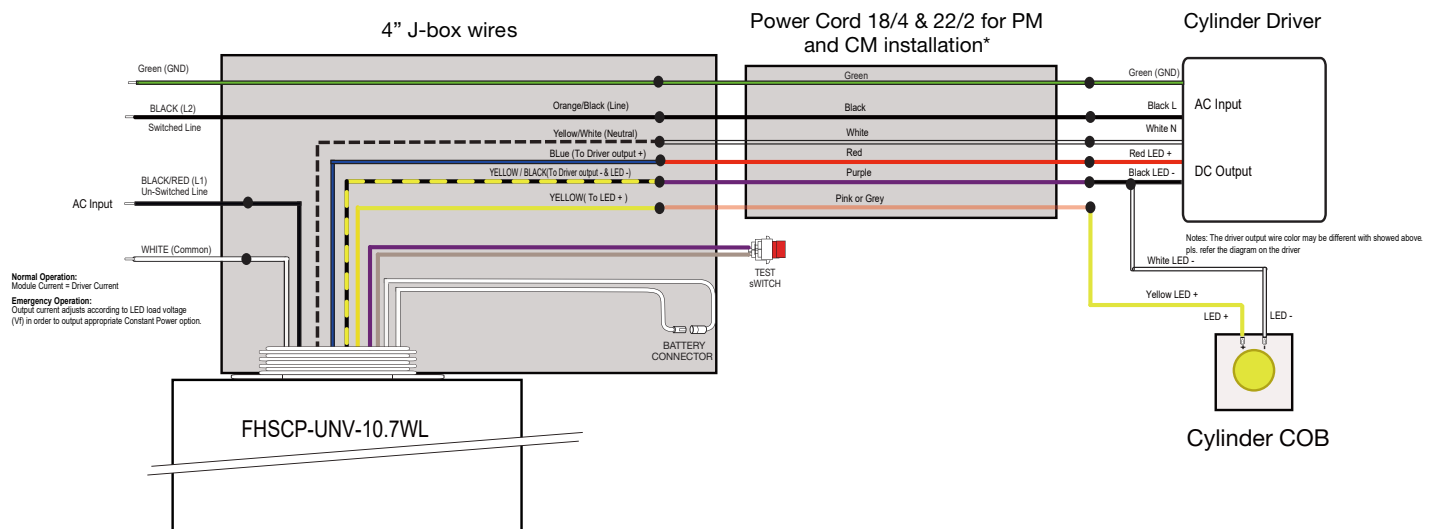
# INSTALLATION

## FHUPS1-UNV-25L-SD FIELD WIRING DIAGRAM INSTALLATION



\*For SM installation power cord is not needed connect the EM driver directly to the driver.

## FHSCP-UNV-10.7WL(-CEC) FIELD WIRING DIAGRAM INSTALLATION



\*For SM installation power cord is not needed connect the EM driver directly to the driver and LED wires.



# PXCYL Cylinder 8"

## TECHNICAL INFORMATION

| Light Engine | Input Voltage | Input Frequency | Input Current  | Max. Input Power | THD Power | Power Factor |
|--------------|---------------|-----------------|----------------|------------------|-----------|--------------|
| LES          | 120-277V      | 50-60Hz         | 0.115 / 0.047A | 13W              | <20%      | >0.9         |
| LEM          |               |                 | 0.270 / 0.114A | 31.5W            |           |              |
| LE05         |               |                 | 0.056 / 0.024A | 6.5W             |           |              |
| LE07         |               |                 | 0.073 / 0.034A | 8.5W             |           |              |
| LE10         |               |                 | 0.112 / 0.047A | 13W              |           |              |
| LE15         |               |                 | 0.154 / 0.068A | 18W              |           |              |
| LE20         |               |                 | 0.218 / 0.092A | 25.5W            |           |              |
| LE25         |               |                 | 0.269 / 0.116A | 31.5W            |           |              |
| LE30         |               |                 | 0.318 / 0.133A | 37.5W            |           |              |
| LE40         |               |                 | 0.411 / 0.165A | 48.5W            |           |              |
| LE50         |               |                 | 0.487 / 0.203A | 57.5W            |           |              |

## NOMINAL PERFORMANCE

LES (LE05 / LE07 / LE10) - Low / Medium / High - 6.5 / 8.5 / 12.5W

| CCT           | 2700K |     |        |     |       |     | 3000K |     |        |     |       |     | 3500K |     |        |     |       |     | 4000K |     |        |     |       |     | 5000K |     |        |     |       |     |
|---------------|-------|-----|--------|-----|-------|-----|-------|-----|--------|-----|-------|-----|-------|-----|--------|-----|-------|-----|-------|-----|--------|-----|-------|-----|-------|-----|--------|-----|-------|-----|
| Output**      | Low   |     | Medium |     | High  |     | Low   |     | Medium |     | High  |     | Low   |     | Medium |     | High  |     | Low   |     | Medium |     | High  |     | Low   |     | Medium |     | High  |     |
|               | lm    | LPW | lm     | LPW | lm    | LPW | lm    | LPW | lm     | LPW | lm    | LPW | lm    | LPW | lm     | LPW | lm    | LPW | lm    | LPW | lm     | LPW | lm    | LPW | lm    | LPW | lm     | LPW | lm    | LPW |
| Clear Diffuse | 500   | 77  | 700    | 82  | 1,000 | 80  | 525   | 81  | 735    | 86  | 1,050 | 84  | 550   | 85  | 700    | 91  | 1,100 | 88  | 575   | 88  | 805    | 95  | 1,150 | 92  | 580   | 89  | 810    | 95  | 1,165 | 93  |
| White Finish  | 500   | 77  | 700    | 82  | 1,000 | 80  | 525   | 81  | 735    | 86  | 1,050 | 84  | 550   | 85  | 700    | 91  | 1,100 | 88  | 575   | 88  | 805    | 95  | 1,150 | 92  | 580   | 89  | 810    | 95  | 1,165 | 93  |

LEM (LE15 / LE20 / LE25) - Low / Medium / High - 18.0 / 25.5 / 31.5W

| CCT           | 2700K |     |        |     |       |     | 3000K |     |        |     |       |     | 3500K |     |        |     |       |     | 4000K |     |        |     |       |     | 5000K |     |        |     |       |     |
|---------------|-------|-----|--------|-----|-------|-----|-------|-----|--------|-----|-------|-----|-------|-----|--------|-----|-------|-----|-------|-----|--------|-----|-------|-----|-------|-----|--------|-----|-------|-----|
| Output**      | Low   |     | Medium |     | High  |     | Low   |     | Medium |     | High  |     | Low   |     | Medium |     | High  |     | Low   |     | Medium |     | High  |     | Low   |     | Medium |     | High  |     |
|               | lm    | LPW | lm     | LPW | lm    | LPW | lm    | LPW | lm     | LPW | lm    | LPW | lm    | LPW | lm     | LPW | lm    | LPW | lm    | LPW | lm     | LPW | lm    | LPW | lm    | LPW | lm     | LPW | lm    | LPW |
| Clear Diffuse | 1,600 | 89  | 2,125  | 83  | 2,500 | 79  | 1,632 | 91  | 2,169  | 85  | 2,550 | 81  | 1,664 | 92  | 2,210  | 87  | 2,600 | 83  | 1,696 | 94  | 2,253  | 88  | 2,650 | 84  | 1,713 | 95  | 2,275  | 89  | 2,677 | 85  |
| White Finish  | 1,600 | 89  | 2,125  | 83  | 2,500 | 79  | 1,632 | 91  | 2,169  | 85  | 2,550 | 81  | 1,664 | 92  | 2,210  | 87  | 2,600 | 83  | 1,696 | 94  | 2,253  | 88  | 2,650 | 84  | 1,713 | 95  | 2,275  | 89  | 2,677 | 85  |

LEL (LE30 / LE40 / LE50) - Low / Medium / High - 37.5 / 48.5 / 60.0W

| CCT           | 2700K |     |        |     |       |     | 3000K |     |        |     |       |     | 3500K |     |        |     |       |     | 4000K |     |        |     |       |     | 5000K |     |        |     |       |     |
|---------------|-------|-----|--------|-----|-------|-----|-------|-----|--------|-----|-------|-----|-------|-----|--------|-----|-------|-----|-------|-----|--------|-----|-------|-----|-------|-----|--------|-----|-------|-----|
| Output**      | Low   |     | Medium |     | High  |     | Low   |     | Medium |     | High  |     | Low   |     | Medium |     | High  |     | Low   |     | Medium |     | High  |     | Low   |     | Medium |     | High  |     |
|               | lm    | LPW | lm     | LPW | lm    | LPW | lm    | LPW | lm     | LPW | lm    | LPW | lm    | LPW | lm     | LPW | lm    | LPW | lm    | LPW | lm     | LPW | lm    | LPW | lm    | LPW | lm     | LPW | lm    | LPW |
| Clear Diffuse | 3,325 | 69  | 4,085  | 84  | 4,750 | 79  | 3,360 | 90  | 4,080  | 84  | 4,800 | 80  | 3,500 | 93  | 4,250  | 88  | 5,000 | 83  | 3,640 | 97  | 4,420  | 91  | 5,200 | 87  | 3,640 | 97  | 4,420  | 91  | 5,200 | 87  |
| White Finish  | 3,325 | 69  | 4,085  | 84  | 4,750 | 79  | 3,360 | 90  | 4,080  | 84  | 4,800 | 80  | 3,500 | 93  | 4,250  | 88  | 5,000 | 83  | 3,640 | 97  | 4,420  | 91  | 5,200 | 87  | 3,640 | 97  | 4,420  | 91  | 5,200 | 87  |

\*\* Lumen output are based on rated lumens, for exact value please refer to the IES files

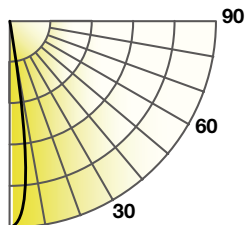




# PXCYL Cylinder 8"

## PHOTOMETRY

PXCYL8/xx/LES9035/KDIM010UNV/SP/xx/CC (High Output)



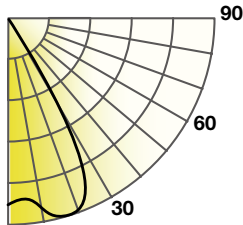
Lumens: 1,004 lm  
CBCP: 5,430 cd  
Power: 13 W  
Efficacy: 84 lm/W  
CRI: 92  
Spacing Criteria: 0.3  
Beam Angle: 18°

| Candlepower Distribution |              |
|--------------------------|--------------|
| Angle (°)                | Average (cd) |
| 10                       | 2,270        |
| 20                       | 647          |
| 30                       | 303          |
| 40                       | 83           |
| 50                       | 5            |
| 60                       | 1            |
| 70                       | 0            |
| 80                       | 0            |
| 90                       | 0            |

| Initial Footcandles |    |               |
|---------------------|----|---------------|
| Height (ft)         | Fc | Diameter (ft) |
| 8                   | 53 | 3             |
| 10                  | 34 | 3             |
| 12                  | 23 | 4             |
| 15                  | 15 | 5             |
| 20                  | 8  | 6             |

| Zonal Lumen Summary |        |       |
|---------------------|--------|-------|
| Zone                | Lumens | %Fixt |
| 0-30                | 868    | 86    |
| 0-40                | 978    | 98    |
| 0-60                | 1,003  | 100   |
| 0-90                | 1,004  | 100   |

PXCYL8/xx/LES9035/KDIM010UNV/VN/xx/CC (High Output)



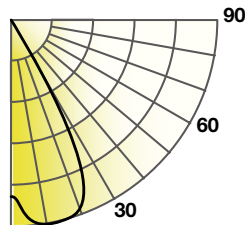
Lumens: 1,227 lm  
CBCP: 1,383 cd  
Power: 12 W  
Efficacy: 102 lm/W  
CRI: 92  
Spacing Criteria: 1.0  
Beam Angle: 25°

| Candlepower Distribution |              |
|--------------------------|--------------|
| Angle (°)                | Average (cd) |
| 10                       | 2,578        |
| 20                       | 1,313        |
| 30                       | 722          |
| 40                       | 145          |
| 50                       | 7            |
| 60                       | 2            |
| 70                       | 0            |
| 80                       | 0            |
| 90                       | 0            |

| Initial Footcandles |    |               |
|---------------------|----|---------------|
| Height (ft)         | Fc | Diameter (ft) |
| 8                   | 60 | 4             |
| 10                  | 38 | 4             |
| 12                  | 27 | 5             |
| 15                  | 17 | 7             |
| 20                  | 10 | 9             |

| Zonal Lumen Summary |        |       |
|---------------------|--------|-------|
| Zone                | Lumens | %Fixt |
| 0-30                | 971    | 79    |
| 0-40                | 1,201  | 98    |
| 0-60                | 1,226  | 100   |
| 0-90                | 1,227  | 100   |

PXCYL8/xx/LES9035/KDIM010UNV/NR/xx/CC (High Output)



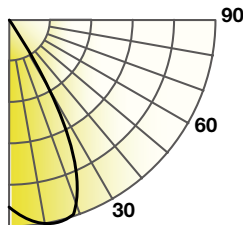
Lumens: 1,240 lm  
CBCP: 1,397 cd  
Power: 12 W  
Efficacy: 103 lm/W  
CRI: 92  
Spacing Criteria: 1.1  
Beam Angle: 44°

| Candlepower Distribution |              |
|--------------------------|--------------|
| Angle (°)                | Average (cd) |
| 10                       | 1,326        |
| 20                       | 1,266        |
| 30                       | 729          |
| 40                       | 146          |
| 50                       | 7            |
| 60                       | 2            |
| 70                       | 0            |
| 80                       | 0            |
| 90                       | 0            |

| Initial Footcandles |    |               |
|---------------------|----|---------------|
| Height (ft)         | Fc | Diameter (ft) |
| 8                   | 31 | 6             |
| 10                  | 20 | 8             |
| 12                  | 14 | 10            |
| 15                  | 9  | 12            |
| 20                  | 5  | 16            |

| Zonal Lumen Summary |        |       |
|---------------------|--------|-------|
| Zone                | Lumens | %Fixt |
| 0-30                | 981    | 79    |
| 0-40                | 1,213  | 98    |
| 0-60                | 1,238  | 99    |
| 0-90                | 1,239  | 100   |

PXCYL8/xx/LES9035/KDIM010UNV/MD/xx/CC (High Output)



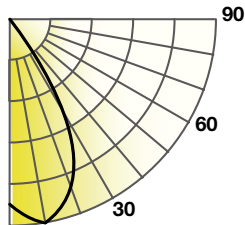
Lumens: 1,251 lm  
CBCP: 1,510 cd  
Power: 13 W  
Efficacy: 101 lm/W  
CRI: 92  
Spacing Criteria: 0.9  
Beam Angle: 59°

| Candlepower Distribution |              |
|--------------------------|--------------|
| Angle (°)                | Average (cd) |
| 10                       | 1,490        |
| 20                       | 1,331        |
| 30                       | 661          |
| 40                       | 142          |
| 50                       | 3            |
| 60                       | 0            |
| 70                       | 0            |
| 80                       | 0            |
| 90                       | 0            |

| Initial Footcandles |    |               |
|---------------------|----|---------------|
| Height (ft)         | Fc | Diameter (ft) |
| 8                   | 35 | 9             |
| 10                  | 22 | 11            |
| 12                  | 15 | 14            |
| 15                  | 10 | 17            |
| 20                  | 6  | 23            |

| Zonal Lumen Summary |        |       |
|---------------------|--------|-------|
| Zone                | Lumens | %Fixt |
| 0-30                | 1,022  | 82    |
| 0-40                | 1,231  | 98    |
| 0-60                | 1,250  | 100   |
| 0-90                | 1,250  | 100   |

PXCYL8/xx/LES9035/KDIM010UNV/WD/xx/CC (High Output)



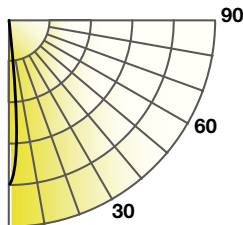
Lumens: 1,289 lm  
CBCP: 1,555 cd  
Power: 12 W  
Efficacy: 107 lm/W  
CRI: 92  
Spacing Criteria: 1.0  
Beam Angle: 81°

| Candlepower Distribution |              |
|--------------------------|--------------|
| Angle (°)                | Average (cd) |
| 10                       | 1,534        |
| 20                       | 1,371        |
| 30                       | 680          |
| 40                       | 145          |
| 50                       | 3            |
| 60                       | 0            |
| 70                       | 0            |
| 80                       | 0            |
| 90                       | 0            |

| Initial Footcandles |    |               |
|---------------------|----|---------------|
| Height (ft)         | Fc | Diameter (ft) |
| 8                   | 36 | 14            |
| 10                  | 23 | 17            |
| 12                  | 16 | 21            |
| 15                  | 10 | 26            |
| 20                  | 6  | 34            |

| Zonal Lumen Summary |        |       |
|---------------------|--------|-------|
| Zone                | Lumens | %Fixt |
| 0-30                | 1,053  | 82    |
| 0-40                | 1,268  | 98    |
| 0-60                | 1,288  | 100   |
| 0-90                | 1,288  | 100   |

PXCYL8/xx/LEM9035/KDIM010UNV/SP/xx/CC (High Output)



Lumens: 2,326 lm  
CBCP: 12,568 cd  
Power: 30 W  
Efficacy: 74 lm/W  
CRI: 92  
Spacing Criteria: 0.3  
Beam Angle: 18°

| Candlepower Distribution |              |
|--------------------------|--------------|
| Angle (°)                | Average (cd) |
| 10                       | 530          |
| 20                       | 149          |
| 30                       | 70           |
| 40                       | 19           |
| 50                       | 1            |
| 60                       | 0            |
| 70                       | 0            |
| 80                       | 0            |
| 90                       | 0            |

| Initial Footcandles |    |               |
|---------------------|----|---------------|
| Height (ft)         | Fc | Diameter (ft) |
| 8                   | 12 | 3             |
| 10                  | 8  | 3             |
| 12                  | 5  | 4             |
| 15                  | 3  | 5             |
| 20                  | 2  | 6             |

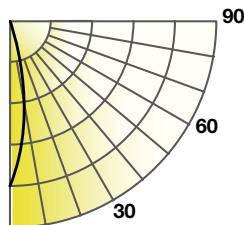
| Zonal Lumen Summary |        |       |
|---------------------|--------|-------|
| Zone                | Lumens | %Fixt |
| 0-30                | 2,007  | 86    |
| 0-40                | 2,263  | 97    |
| 0-60                | 2,321  | 100   |
| 0-90                | 2,324  | 100   |



# PXCYL Cylinder 8"

## PHOTOMETRY

PXCYL8/xx/LEM9035/KDIM010UNV/VN/xx/CC (High Output)



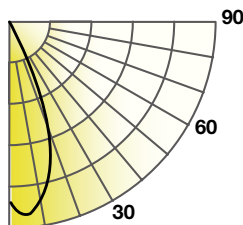
Lumens: 2,880 lm  
CBCP: 11,929 cd  
Power: 30 W  
Efficacy: 92 lm/W  
CRI: 92  
Spacing Criteria: 0.4  
Beam Angle: 22°

| Candlepower Distribution |              |
|--------------------------|--------------|
| Angle (°)                | Average (cd) |
| 10                       | 627          |
| 20                       | 280          |
| 30                       | 74           |
| 40                       | 8            |
| 50                       | 1            |
| 60                       | 0            |
| 70                       | 0            |
| 80                       | 0            |
| 90                       | 0            |

| Initial Footcandles |    |               |
|---------------------|----|---------------|
| Height (ft)         | Fc | Diameter (ft) |
| 8                   | 15 | 3             |
| 10                  | 9  | 4             |
| 12                  | 6  | 5             |
| 15                  | 4  | 6             |
| 20                  | 2  | 8             |

| Zonal Lumen Summary |        |       |
|---------------------|--------|-------|
| Zone                | Lumens | %Fixt |
| 0-30                | 2,656  | 92    |
| 0-40                | 2,849  | 99    |
| 0-60                | 2,877  | 100   |
| 0-90                | 2,877  | 100   |

PXCYL8/xx/LEM9035/KDIM010UNV/NR/xx/CC (High Output)



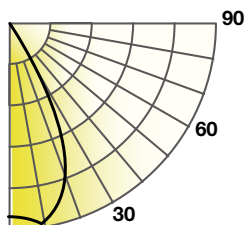
Lumens: 2,893 lm  
CBCP: 5,863 cd  
Power: 30 W  
Efficacy: 93 lm/W  
CRI: 92  
Spacing Criteria: 0.6  
Beam Angle: 43°

| Candlepower Distribution |              |
|--------------------------|--------------|
| Angle (°)                | Average (cd) |
| 10                       | 5,449        |
| 20                       | 3,437        |
| 30                       | 941          |
| 40                       | 85           |
| 50                       | 5            |
| 60                       | 1            |
| 70                       | 0            |
| 80                       | 0            |
| 90                       | 0            |

| Initial Footcandles |     |               |
|---------------------|-----|---------------|
| Height (ft)         | Fc  | Diameter (ft) |
| 8                   | 127 | 6             |
| 10                  | 81  | 8             |
| 12                  | 56  | 9             |
| 15                  | 36  | 12            |
| 20                  | 20  | 16            |

| Zonal Lumen Summary |        |       |
|---------------------|--------|-------|
| Zone                | Lumens | %Fixt |
| 0-30                | 2,637  | 91    |
| 0-40                | 2,869  | 99    |
| 0-60                | 2,890  | 100   |
| 0-90                | 2,891  | 100   |

PXCYL8/xx/LEM9035/KDIM010UNV/MD/xx/CC (High Output)



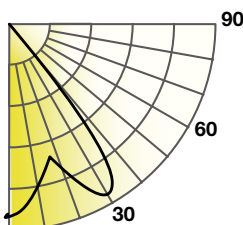
Lumens: 2,899 lm  
CBCP: 3,469 cd  
Power: 30 W  
Efficacy: 92 lm/W  
CRI: 92  
Spacing Criteria: 0.8  
Beam Angle: 59°

| Candlepower Distribution |              |
|--------------------------|--------------|
| Angle (°)                | Average (cd) |
| 10                       | 3,437        |
| 20                       | 3,108        |
| 30                       | 1,534        |
| 40                       | 332          |
| 50                       | 7            |
| 60                       | 2            |
| 70                       | 0            |
| 80                       | 0            |
| 90                       | 0            |

| Initial Footcandles |    |               |
|---------------------|----|---------------|
| Height (ft)         | Fc | Diameter (ft) |
| 8                   | 80 | 9             |
| 10                  | 51 | 11            |
| 12                  | 35 | 14            |
| 15                  | 23 | 17            |
| 20                  | 13 | 23            |

| Zonal Lumen Summary |        |       |
|---------------------|--------|-------|
| Zone                | Lumens | %Fixt |
| 0-30                | 2,362  | 82    |
| 0-40                | 2,846  | 98    |
| 0-60                | 2,895  | 100   |
| 0-90                | 2,896  | 100   |

PXCYL8/xx/LEM9035/KDIM010UNV/WD/xx/CC (High Output)



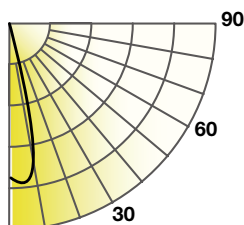
Lumens: 2,987 lm  
CBCP: 2,347 cd  
Power: 30 W  
Efficacy: 96 lm/W  
CRI: 92  
Spacing Criteria: 1.0  
Beam Angle: 79°

| Candlepower Distribution |              |
|--------------------------|--------------|
| Angle (°)                | Average (cd) |
| 10                       | 1,843        |
| 20                       | 1,858        |
| 30                       | 2,260        |
| 40                       | 1,022        |
| 50                       | 17           |
| 60                       | 4            |
| 70                       | 1            |
| 80                       | 0            |
| 90                       | 0            |

| Initial Footcandles |    |               |
|---------------------|----|---------------|
| Height (ft)         | Fc | Diameter (ft) |
| 8                   | 43 | 13            |
| 10                  | 27 | 16            |
| 12                  | 19 | 20            |
| 15                  | 12 | 25            |
| 20                  | 7  | 33            |

| Zonal Lumen Summary |        |       |
|---------------------|--------|-------|
| Zone                | Lumens | %Fixt |
| 0-30                | 1,660  | 56    |
| 0-40                | 2,749  | 92    |
| 0-60                | 2,980  | 100   |
| 0-90                | 2,983  | 100   |

PXCYL8/xx/LEM9035/KDIM010UNV/VN/xx/CC (High Output)



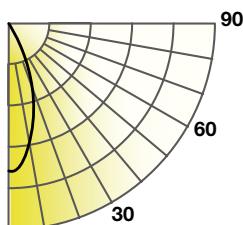
Lumens: 5,137 lm  
CBCP: 12,433 cd  
Power: 60 W  
Efficacy: 93 lm/W  
CRI: 92  
Spacing Criteria: 0.5  
Beam Angle: 31°

| Candlepower Distribution |              |
|--------------------------|--------------|
| Angle (°)                | Average (cd) |
| 10                       | 862          |
| 20                       | 487          |
| 30                       | 245          |
| 40                       | 19           |
| 50                       | 2            |
| 60                       | 1            |
| 70                       | 0            |
| 80                       | 0            |
| 90                       | 0            |

| Initial Footcandles |    |               |
|---------------------|----|---------------|
| Height (ft)         | Fc | Diameter (ft) |
| 8                   | 20 | 4             |
| 10                  | 13 | 6             |
| 12                  | 9  | 7             |
| 15                  | 6  | 8             |
| 20                  | 3  | 11            |

| Zonal Lumen Summary |        |       |
|---------------------|--------|-------|
| Zone                | Lumens | %Fixt |
| 0-30                | 4,442  | 87    |
| 0-40                | 5,047  | 98    |
| 0-60                | 5,125  | 100   |
| 0-90                | 5,132  | 100   |

PXCYL8/xx/LEM9035/KDIM010UNV/NR/xx/CC (High Output)



Lumens: 5,357 lm  
CBCP: 10,159 cd  
Power: 60 W  
Efficacy: 97 lm/W  
CRI: 92  
Spacing Criteria: 0.7  
Beam Angle: 44°

| Candlepower Distribution |              |
|--------------------------|--------------|
| Angle (°)                | Average (cd) |
| 10                       | 811          |
| 20                       | 559          |
| 30                       | 229          |
| 40                       | 20           |
| 50                       | 2            |
| 60                       | 0            |
| 70                       | 0            |
| 80                       | 0            |
| 90                       | 0            |

| Initial Footcandles |    |               |
|---------------------|----|---------------|
| Height (ft)         | Fc | Diameter (ft) |
| 8                   | 19 | 6             |
| 10                  | 12 | 8             |
| 12                  | 8  | 10            |
| 15                  | 5  | 12            |
| 20                  | 3  | 16            |

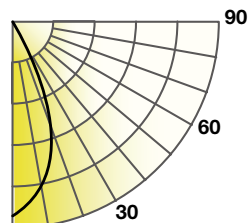
| Zonal Lumen Summary |        |       |
|---------------------|--------|-------|
| Zone                | Lumens | %Fixt |
| 0-30                | 4,581  | 86    |
| 0-40                | 5,299  | 99    |
| 0-60                | 5,348  | 100   |
| 0-90                | 5,348  | 100   |



# PXCYL Cylinder 8"

## PHOTOMETRY

PXCYL8/xx/LEL9035/KDIM010UNV/MD/xx/CC (High Output)



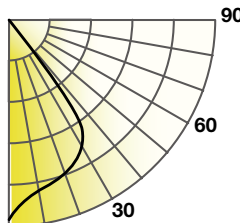
Lumens: 5,407 lm  
CBCP: 7,619 cd  
Power: 60 W  
Efficacy: 98 lm/W  
CRI: 92  
Spacing Criteria: 0.8  
Beam Angle: 53°

| Candlepower Distribution |              |
|--------------------------|--------------|
| Angle (°)                | Average (cd) |
| 10                       | 6,456        |
| 20                       | 4,744        |
| 30                       | 3,281        |
| 40                       | 719          |
| 50                       | 18           |
| 60                       | 6            |
| 70                       | 2            |
| 80                       | 0            |
| 90                       | 0            |

| Initial Footcandles |     |               |
|---------------------|-----|---------------|
| Height (ft)         | Fc  | Diameter (ft) |
| 8                   | 150 | 8             |
| 10                  | 96  | 10            |
| 12                  | 67  | 12            |
| 15                  | 43  | 15            |
| 20                  | 24  | 20            |

| Zonal Lumen Summary |        |       |
|---------------------|--------|-------|
| Zone                | Lumens | %Fixt |
| 0-30                | 4,061  | 75    |
| 0-40                | 5,278  | 98    |
| 0-60                | 5,395  | 100   |
| 0-90                | 5,400  | 100   |

PXCYL8/xx/LEL9035/KDIM010UNV/WD/xx/CC (High Output)



Lumens: 5,526 lm  
CBCP: 4,721 cd  
Power: 60 W  
Efficacy: 99 lm/W  
CRI: 92  
Spacing Criteria: 1.0  
Beam Angle: 71°

| Candlepower Distribution |              |
|--------------------------|--------------|
| Angle (°)                | Average (cd) |
| 10                       | 4,550        |
| 20                       | 4,353        |
| 30                       | 3,671        |
| 40                       | 1,465        |
| 50                       | 38           |
| 60                       | 11           |
| 70                       | 4            |
| 80                       | 1            |
| 90                       | 0            |

| Initial Footcandles |     |               |
|---------------------|-----|---------------|
| Height (ft)         | Fc  | Diameter (ft) |
| 8                   | 106 | 11            |
| 10                  | 68  | 14            |
| 12                  | 47  | 17            |
| 15                  | 30  | 21            |
| 20                  | 17  | 28            |

| Zonal Lumen Summary |        |       |
|---------------------|--------|-------|
| Zone                | Lumens | %Fixt |
| 0-30                | 3,573  | 65    |
| 0-40                | 5,205  | 94    |
| 0-60                | 5,509  | 100   |
| 0-90                | 5,519  | 100   |

## CERTIFICATION INFORMATION

| Model                                 | ES ID#  |
|---------------------------------------|---------|
| PXCYL#/**/LES90##/KDIM120V/**/**/**   | 3848867 |
| PXCYL#/**/LES90##/KDIM010UNV/**/**/** | 3848865 |
| PXCYL#/**/LEM90##/KDIM010UNV/**/**/** | 3848864 |
| PXCYL#/**/LEM90##/KDIM120V/**/**/**   | 3848866 |
| PXCYL#/**/LEL90##/KDIM010UNV/**/**/** | 3848862 |
| PXCYL#/**/LEL90##/KDIM120V /**/**/**  | 3848863 |