

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

PXCYL Cylinder 2"

SPECIFICATION FEATURES

- **Mechanical** - Compact fixture body made from die cast aluminum. Super efficient extra diecast heat sink for long life lasting COB. Proprietary selectable output driver and polycarbonate lens and reflector design provide high quality light to compliment any spaces. Fixture bodies are available in matte black and matte white, or additional customized colors. Available in Surface, Pendant, Suspension cable, Wall mount or Track pendant 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 5-Series Ecosystem driver which provides smooth dimming to 5% and 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.
- **Optical** - Self-flanged polycarbonate reflector. With 25° optical cutoff. Field interchangeable optical lenses. Four beam distributions range from 15° to 60°. COB LED binned to 2-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 a L70 rated lifetime of 50,000+ hours. Ambient temperature rated from -22°F to 95°F (-30°C to 35°C).
- **Compliance and Warranty** - ETL Listed for damp location. Track pendant mounting suitable for dry location only. 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

| | |
|--|---|
| ORDERING GUIDE | LINE DRAWINGS |
| ACCESSORY ORDERING INFORMATION | INSTALLATION |
| TECHNICAL INFORMATION | NOMINAL PERFORMANCE |
| PHOTOMETRY | CERTIFICATION INFORMATION |



BENEFITS

- Get the right amount of light with SelectDrive technology
- Multiple finish and customization available to match any décor
- Surface, Pendant, Cable, Track Suspension, Down-wall and Up-wall mounting available
- Field interchangeable optics ensure smooth light levels
- Large variety of dimming and sensor control options

SUITABLE APPLICATIONS

- Retail
- Hospitality
- Residential
- Education
- Healthcare



PXCYL Cylinder 2"

ORDERING GUIDE

SelectDrive Light Engine

PART #

Example: PXCYL2/SM/LES9035/KDIM010UNV/MD/WH/CC

| Series | Size | Mounting | Light Engine ⁷ | CRI | CCT | Driver | Optical Distribution | Cylinder Finish | Reflector Finish | Options |
|----------------------------|---------|--|---|--|--------------------------------|---|--|-------------------------------------|-------------------------------------|--|
| PXCYL PXCYL Cylinder | 2 2" | SM Surface Mount | LES Small Light Engine 500-700-1000 lumens | 90 CRI 90+ | 27⁴ 2700K | KDIM120V SelectDrive 120V, 50/60Hz Forward/Reverse phase dimming | SP Spot 15° Beam Angle | WH Matte White | CC Clear | BLANK None |
| | | CM¹ Cable Mount Ready | | 97^{3,4} 97 CRI 3000K TRUE CHROMA | 30 3000K | KDIM010UNV SelectDrive 120-277V, 50/60Hz 0-10V dimming | VN Very Narrow 25° Beam Angle | BL Matte Black | WH White | WET⁶ Wet Location Ready |
| | | PM¹ Pendant Mount Ready | | | 35 3500K | DUALDIM1 0-10V dimming to 1% at 120-277V, and Forward/ Reverse phase dimming at 120V only. | NR Narrow 40° Beam Angle | BZ⁵ Bronze | CZ⁵ Customized | AWNR⁸ Lutron Athena Node |
| | | TJPM² Track J-Type Suspended Mount Ready | | | 40 4000K | | MD Medium 60° Beam Angle | SV⁵ Silver | | For Emergency options please see field installable options below |
| | | WM Wall Mount | | | 50⁴ 5000K | | | CZ⁵ Customized | | |
| | | WMUP Wall Mount Up lighting | | | | | | | | |

Fixed Lumen Output Light Engine

PART #

Example: PXCYL2/SM/LE209035/XT010UNV/MD/WH/CC

| Series | Size | Mounting | Light Engine | CRI | CCT | Driver | Optical Distribution | Cylinder Finish | Reflector Finish | Options |
|----------------------------|---------|--|-----------------------------|--|--------------------------------|--|--|-------------------------------------|-------------------------------------|--|
| PXCYL PXCYL Cylinder | 2 2" | SM Surface Mount | LE05 500 lumens | 90 CRI 90+ | 27⁴ 2700K | DUALDIM1 0-10V dimming to 1% at 120- 277V, and Forward/Reverse phase dimming at 120V only. | SP Spot 15° Beam Angle | WH Matte White | CC Clear | BLANK None |
| | | CM¹ Cable Mount Ready | LE07 700 lumens | 97^{3,4} 97 CRI 3000K TRUE CHROMA | 30 3000K | XT010UNV 0-10V 1% Xitanium Driver, 120-277V | VN Very Narrow 25° Beam Angle | BL Matte Black | WH White | WET⁶ Wet Location Ready |
| | | PM¹ Pendant Mount Ready | LE10 1,000 lumens | | 35 3500K | LUT-1UNV Lutron EcoSystem 1% Dimming, 120-277V | NR Narrow 40° Beam Angle | BZ⁵ Bronze | CZ⁵ Customized | For Emergency options please see field installable options below |
| | | TJPM² Track J-Type Suspended Mount Ready | LE15 1,500 lumens | | 40 4000K | ELD-E010UNV EldoLED ECOdrive 0-10V 1%, 120-277V | MD Medium 60° Beam Angle | SV⁵ Silver | | |
| | | WM Wall Mount | LE20 2,000 lumens | | 50⁴ 5000K | ELD-EDALIUNV EldoLED ECOdrive DALI 1%, 120-277V | | CZ⁵ Customized | | |
| | | WMUP Wall Mount Up lighting | | | | ELD-S010UNV EldoLED SOLOdrive 0-10V 0.1%, 120-277V | | | | |
| | | | | | | ELD-SDALIUNV EldoLED SOLOdrive DALI 0.1%, 120-277V | | | | |
| | | | | | | OSRDIM010347V Osram OPTOTRONIC 0-10V 1%, 347V | | | | |


FOOTNOTES:


- Cable and Pendant Mount ready for Stem or Cable Suspension, order Canopy type and length separately.
- Track cable type and length to be order separately. TJPM is only suitable for 120V power input.
- 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.
- Factory setting at highest lumen output for selectable lumen outputs.
- Only available with KDIM010UNV, using 12V Aux.




PXCYL Cylinder 2"

CABLE / PENDANT / TRACK PENDANT MOUNTING KIT OPTIONS

| PART # | | | | Example: CABLECPY/1-4/WH/50/18/3 |
|--|-------------------------------------|--|---|---|
| Series | Color | Length ² | Cord Type |  |
| CABLECPY/1-4¹ Cable mount canopy for flat and slope ceiling (use with CM mounting only) | WH White | 50 Adjustable length up to 50" max. | 18/3 3 x 18 AWG, for non Dimming or TRIAC/ELV | |
| | BL Black | 72 Adjustable length up to 72" max. | 18/3-22/2 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) | |
| | CZ³ Customized | 100 Adjustable length up to 100" max. CZ³ Customized | 18/4-22/2 4 x 18 AWG, 2 x 22 AWG, for emergency wiring with field installable EM driver (FHSCP-UNV-10.7WL(-CEC)) | |

| PART # | | | | Example: STEMSCCPY/1-4/WH/12/18/3 |
|---|-------------------------------------|---|---|--|
| Series | Color | Length | Cord Type |  |
| STEMSCCPY/1-4¹ Pendant stem Canopy (3/8 IPS) for flat and slope ceiling up to 45° (use with PM mounting only) | WH White | 12 12" long | 18/3 3 x 18 AWG, for non Dimming or TRIAC/ELV | |
| STEMCDTFCCPY/1-4⁴ Jbox Cover Canopy for flat ceiling, with 4x side conduits pass through, for 1/4 IPS pendant stem | BL Black | 24 24" long | 18/3-22/2 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) | |
| | CZ³ Customized | 36 36" long 48 48" long CZ³ Customized | 18/4-22/2 4 x 18 AWG, 2 x 22 AWG, for emergency wiring with field installable EM driver (FHSCP-UNV-10.7WL(-CEC)) | |

| PART # | | | | Example: TJPMADPT/J/WH/12/18/3 |
|---|--------------------|---|--|---|
| Series | Color | Length | |  |
| TJPMADPT/J Track Pendant Adapter J-type | WH White | 12 12" long | | |
| | BL Black | 24 24" long | | |
| | | 36 36" long 48 48" long CZ³ Customized | | |

FOOTNOTES:

1. The Stem and cable canopies can be used for both plane and slope ceiling.

2. Cord length will be approximately 12" longer than cable or Stem.

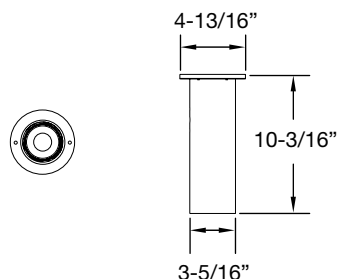
3. Please contact factory for customized color and length. Please note the minimum customizable length of stem is 6".



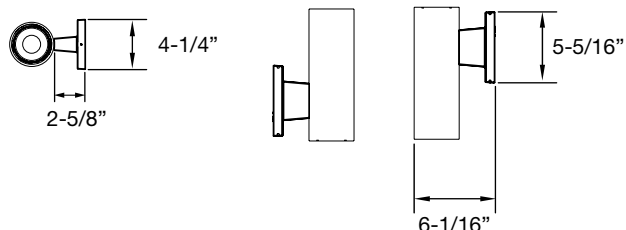
PXCYL Cylinder 2"

LINE DRAWINGS

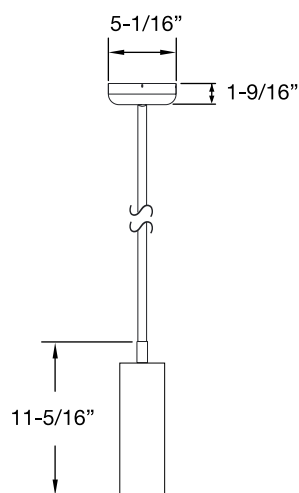
SURFACE MOUNT



WALL MOUNT

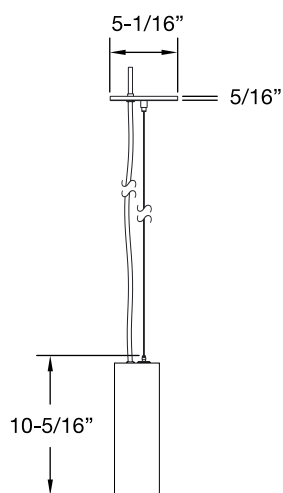


PENDANT



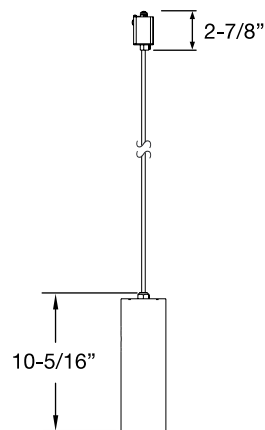
Shown with STEMSCCPY/1-4
Mounting Option

CABLE

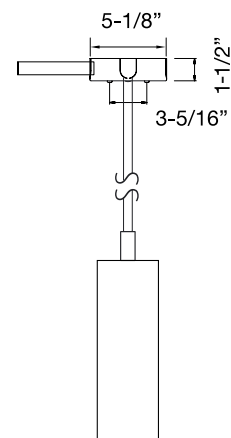


Shown with CABLECPY/1-4
Mounting Option

TRACK

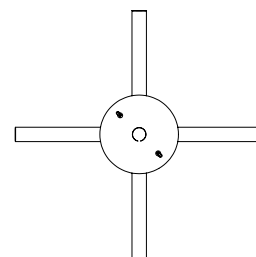
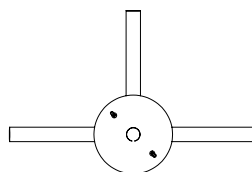
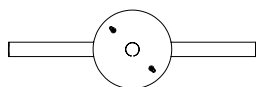
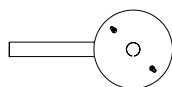


CONDUIT CANOPY PENDANT



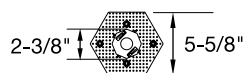
Shown with STEMCDTFCCPY/1-4
Mounting Option

CONDUIT CONFIGURATION OPTIONS

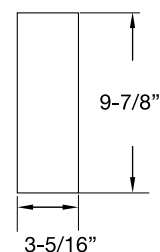


Up to four conduits. 3/4 trade size knockout (1-1/8").
Conduit Canopy Cover can also be ordered stand alone as an accessory
to complete your project (please see accessory table)

FLANGELESS SM KIT



FLANGELESS SURFACE MOUNT



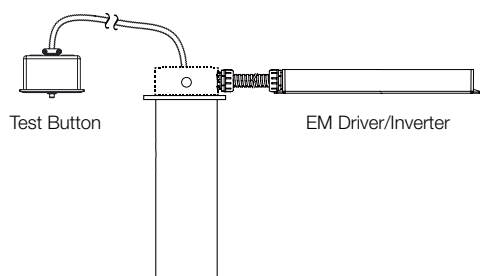
Shown in surface mounting configuration with PXCYL2-FLANGELESS SM KIT
installed and finished ceiling



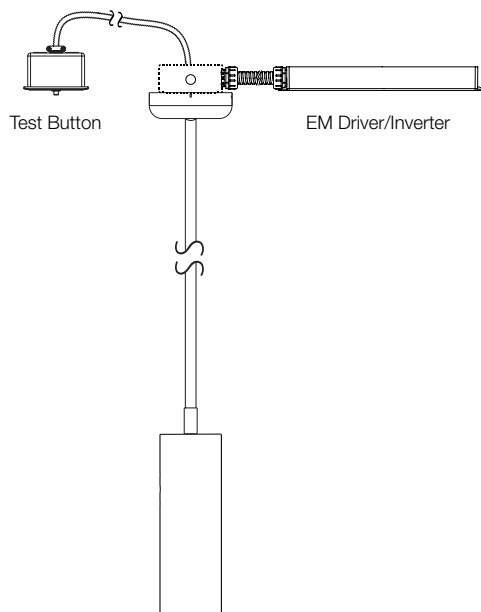
PXCYL Cylinder 2"

LINE DRAWINGS

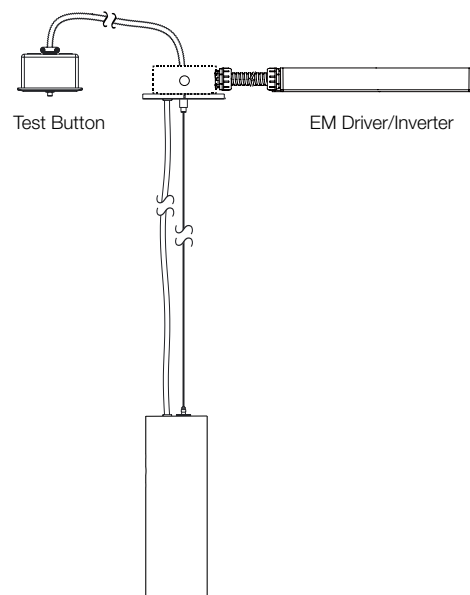
WITH FIELD INSTALLABLE EM



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.


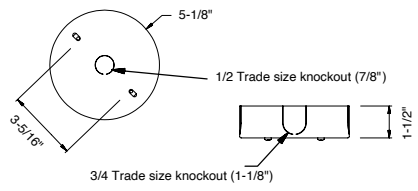

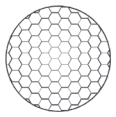
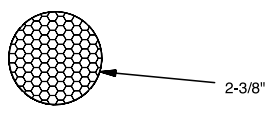
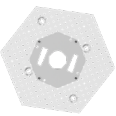
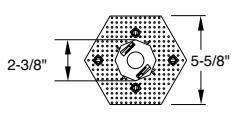

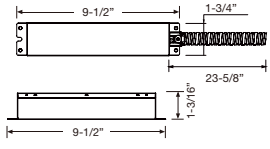

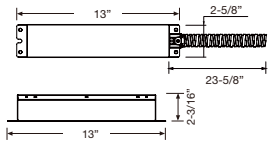

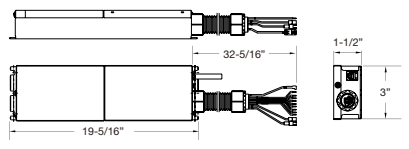

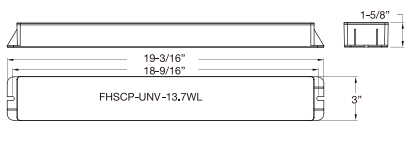


Field installable remote EM driver and Test button shown in Pendant Mount installation. Test button is supplied with EM driver/inverter. Need to be used with 18-3/2-22 type cord for FHUPS1-UNV-25L-SD or 18-4/22-2 for FHSCP-UNV-10.7WL/FHSCP-UNV-10.7WL-CEC Electrical Box and Single gang j-box by others.



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 2"

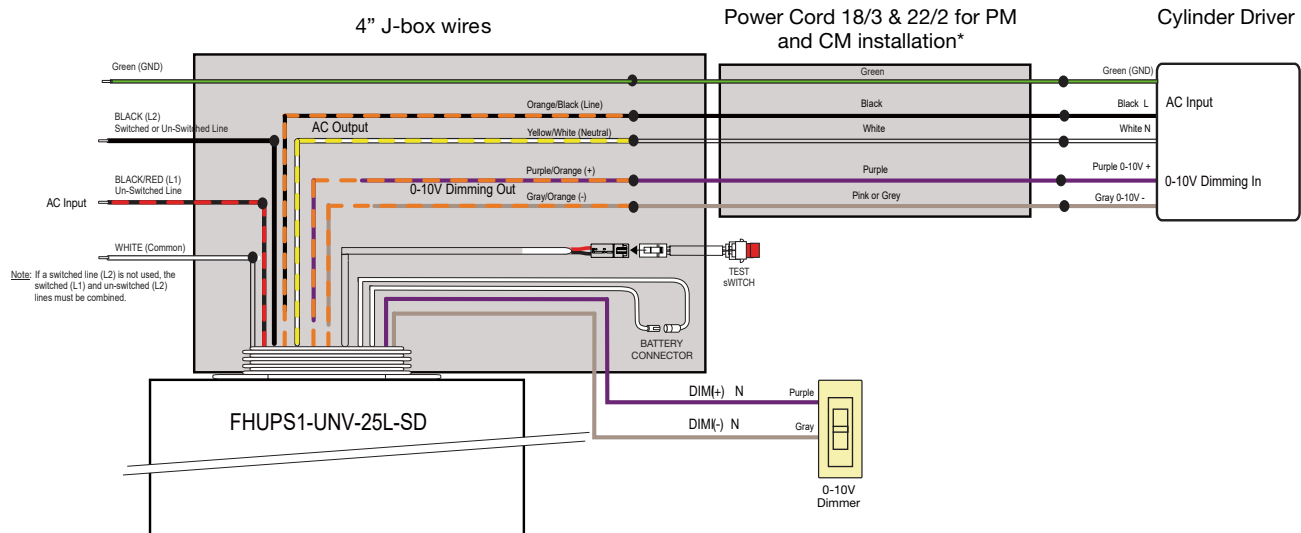
| ACCESSORY ORDERING INFORMATION | | | | | |
|--------------------------------|--------------------------|---|---|---|--|
| Product | Model | Description | Pictures | Dimensions | |
| JCOV-WH | JCOV-WH | White finish, decorative Jbox cover, with 4 side conduit pass-through. |  |  | |
| JCOV-BK | JCOV-BK | Black finish, decorative Jbox cover, with 4 side conduit pass-through. |  | | |
| 35363 | ORB/ACC/M/HC | Medium Honeycomb Louver |  |  | |
| 61397 | PXCYL2-FLANGELESS SM KIT | PXCYL2 Surface Mount Kit, Flangeless kit |  |  | |
| 37934 | 8EMINVERTER | California Title 20 Compliant 8W Emergency LED Inverter (Field Installation) Compatible for 0-10V dimming models with LES light engine. |  |  | |
| 38096 | 24EMINVERTER | California Title 20 Compliant 24W Emergency LED Inverter (Field Installation) Compatible for 120V and 0-10V 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 2"

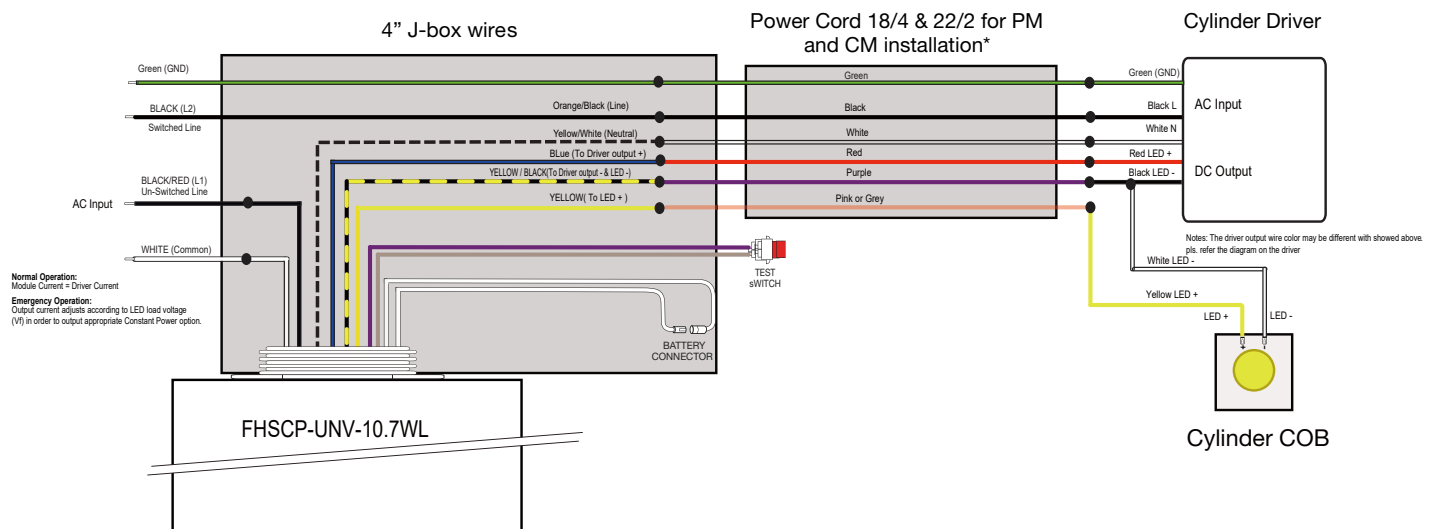
INSTALLATION

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 2"

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 |
| 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 | | |

NOMINAL PERFORMANCE

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

| CCT | 2700K | | | | | | 3000K | | | | | | 3500K | | | | | | 4000K | | | | | | 5000K | | | | | |
|--------------------|-------|-----|--------|-----|-------|-----|-------|-----|--------|-----|-------|-----|-------|-----|--------|-----|-------|-----|-------|-----|--------|-----|-------|-----|-------|-----|--------|-----|-------|-----|
| Output** Finish | 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) - Low / Medium - 18.0 / 25.5W

| CCT | 2700K | | | | 3000K | | | | 3500K | | | | 4000K | | | | 5000K | | | |
|--------------------|-------|-----|--------|-----|-------|-----|--------|-----|-------|-----|--------|-----|-------|-----|--------|-----|-------|-----|--------|-----|
| Output** Finish | Low | | Medium | | Low | | Medium | | Low | | Medium | | Low | | Medium | | Low | | Medium | |
| | 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 | 1,632 | 91 | 2,169 | 85 | 1,664 | 92 | 2,210 | 87 | 1,696 | 94 | 2,253 | 88 | 1,713 | 95 | 2,275 | 89 |
| White Finish | 1,600 | 89 | 2,125 | 83 | 1,632 | 91 | 2,169 | 85 | 1,664 | 92 | 2,210 | 87 | 1,696 | 94 | 2,253 | 88 | 1,713 | 95 | 2,275 | 89 |

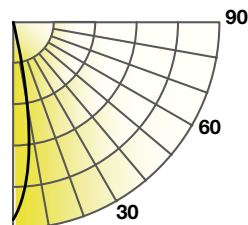
** Lumen output are based on rated lumens, for exact value please refer to the IES files



PXCYL Cylinder 2"

PHOTOMETRY

PXCYL2/xx/LES9035/KDIM010UNV/SP/xx/CC (High Output)



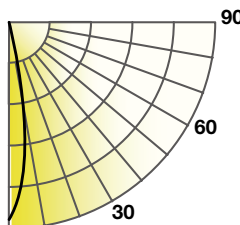
Lumens: 1,343 lm
CBCP: 14,066 cd
Power: 13 W
Efficacy: 112 lm/W
CRI: 92
Spacing Criteria: 0.3
Beam Angle: 15°

| Candlepower Distribution | |
|--------------------------|--------------|
| Angle (°) | Average (cd) |
| 10 | 436 |
| 20 | 37 |
| 30 | 7 |
| 40 | 3 |
| 50 | 2 |
| 60 | 0 |
| 70 | 0 |
| 80 | 0 |
| 90 | 0 |

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

| Zonal Lumen Summary | | |
|---------------------|--------|-------|
| Zone | Lumens | %Fixt |
| 0-30 | 1,290 | 96 |
| 0-40 | 1,318 | 98 |
| 0-60 | 1,341 | 100 |
| 0-90 | 1,343 | 100 |

PXCYL2/xx/LES9035/KDIM010UNV/VN/xx/CC (High Output)



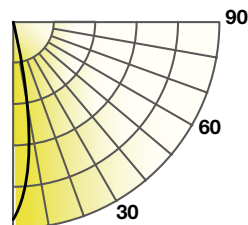
Lumens: 1,365 lm
CBCP: 7,197 cd
Power: 13 W
Efficacy: 114 lm/W
CRI: 92
Spacing Criteria: 0.4
Beam Angle: 23°

| Candlepower Distribution | |
|--------------------------|--------------|
| Angle (°) | Average (cd) |
| 10 | 4,329 |
| 20 | 749 |
| 30 | 101 |
| 40 | 46 |
| 50 | 18 |
| 60 | 6 |
| 70 | 0 |
| 80 | 0 |
| 90 | 0 |

| Initial Footcandles | | |
|---------------------|-----|---------------|
| Height (ft) | Fc | Diameter (ft) |
| 8 | 101 | 3 |
| 10 | 64 | 4 |
| 12 | 45 | 5 |
| 15 | 29 | 6 |
| 20 | 16 | 8 |

| Zonal Lumen Summary | | |
|---------------------|--------|-------|
| Zone | Lumens | %Fixt |
| 0-30 | 1,280 | 94 |
| 0-40 | 1,331 | 98 |
| 0-60 | 1,362 | 100 |
| 0-90 | 1,364 | 100 |

PXCYL2/xx/LES9035/KDIM010UNV/NR/xx/CC (High Output)



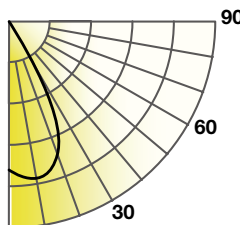
Lumens: 1,346 lm
CBCP: 4,379 cd
Power: 13 W
Efficacy: 112 lm/W
CRI: 92
Spacing Criteria: 0.5
Beam Angle: 33°

| Candlepower Distribution | |
|--------------------------|--------------|
| Angle (°) | Average (cd) |
| 10 | 3,543 |
| 20 | 1,278 |
| 30 | 152 |
| 40 | 32 |
| 50 | 16 |
| 60 | 4 |
| 70 | 0 |
| 80 | 0 |
| 90 | 0 |

| Initial Footcandles | | |
|---------------------|----|---------------|
| Height (ft) | Fc | Diameter (ft) |
| 8 | 82 | 5 |
| 10 | 53 | 6 |
| 12 | 37 | 7 |
| 15 | 23 | 9 |
| 20 | 13 | 12 |

| Zonal Lumen Summary | | |
|---------------------|--------|-------|
| Zone | Lumens | %Fixt |
| 0-30 | 1,276 | 95 |
| 0-40 | 1,318 | 98 |
| 0-60 | 1,344 | 100 |
| 0-90 | 1,346 | 100 |

PXCYL2/xx/LES9035/KDIM010UNV/MD/xx/WH (High Output)



Lumens: 1,323 lm
CBCP: 1,580 cd
Power: 13 W
Efficacy: 110 lm/W
CRI: 92
Spacing Criteria: 0.87
Beam Angle: 59°

| Candlepower Distribution | |
|--------------------------|--------------|
| Angle (°) | Average (cd) |
| 10 | 1,524 |
| 20 | 1,301 |
| 30 | 751 |
| 40 | 108 |
| 50 | 22 |
| 60 | 6 |
| 70 | 2 |
| 80 | 0 |
| 90 | 0 |

| Initial Footcandles | | |
|---------------------|----|---------------|
| Height (ft) | Fc | Diameter (ft) |
| 8 | 35 | 9 |
| 9 | 28 | 10 |
| 10 | 23 | 11 |
| 12 | 16 | 13 |
| 15 | 10 | 17 |

| Zonal Lumen Summary | | |
|---------------------|--------|-------|
| Zone | Lumens | %Fixt |
| 0-30 | 1,028 | 78 |
| 0-40 | 1,273 | 96 |
| 0-60 | 1,316 | 100 |
| 0-90 | 1,322 | 100 |

CERTIFICATION INFORMATION

| Model | ES ID# |
|---------------------------------------|---------|
| PXCYL2/**/LES90##/KDIM010UNV/**/**/** | 3815185 |
| PXCYL2/**/LES90##/KDIM120V/**/**/** | 3815186 |
| PXCYL2/**/LES90##/DUALDIM1/**/**/** | 4481136 |