Project Name:	Type:
Part Number:	Date:

GREENCREATIVE

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

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GREENCREATIVE

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+	**27**[4] 2700K	**KDIM120V** SelectDrive 120V, 50/60Hz Forward/Reverse phase dimming	**SP** Spot 15° Beam Angle	**WH** Matte White	**CC** Clear	**BLANK** None
		CM[1] 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	**WET**[6] Wet Location Ready
		PM[1] 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	**BZ**[5] Bronze	**CZ**[5] Customized	**AWNR**[8] Lutron Athena Node
		TJPM[2] Track J-Type Suspended Mount Ready			**40** 4000K		**MD** Medium 60° Beam Angle	**SV**[5] Silver		For Emergency options please see field installable options below
		WM Wall Mount			**50**[4] 5000K			**CZ**[5] 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+	**27**[4] 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
		CM[1] 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	**WET**[6] Wet Location Ready
		PM[1] Pendant Mount Ready	**LE10** 1,000 lumens		**35** 3500K	**LUT-1UNV** Lutron EcoSystem 1% Dimming, 120-277V	**NR** Narrow 40° Beam Angle	**BZ**[5] Bronze	**CZ**[5] Customized	For Emergency options please see field installable options below
		TJPM[2] 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	**SV**[5] Silver		
		WM Wall Mount	**LE20** 2,000 lumens		**50**[4] 5000K	**ELD-EDALIUNV** EldoLED ECOdrive DALI 1%, 120-277V		**CZ**[5] 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:

1. Cable and Pendant Mount ready for Stem or Cable Suspension, order Canopy type and length separately.
2. Track cable type and length to be order separately. TJPM is only suitable for 120V power input.
3. TRUE CHROMA only available for 3000K, contact factory for detail and other CCT.
4. Non-stock item: may be subject to extended lead time and minimum order quantity. Please contact factory for details.
5. Please contact factory for silver, bronze and customized finish color or customized reflectors for feasibility and lead times.
6. WET location are available only for Surface Mounted and Wall Mount downlighting under covered ceiling. WET location is not compatible with any sensor options.
7. Factory setting at highest lumen output for selectable lumen outputs.
8. Only available with KDIM010UNV, using 12V Aux.

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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/1-4[1] Cable mount canopy for flat and slope ceiling (use with CM mounting only)	**WH** White **BL** Black **CZ**[3] Customized	**50** Adjustable length up to 50" max. **72** Adjustable length up to 72" max. **100** Adjustable length up to 100" max. **CZ**[3] Customized	**18/3** 3 x 18 AWG, for non Dimming or TRIAC/ELV **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) **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/1-4[1] Pendant stem Canopy (3/8 IPS) for flat and slope ceiling up to 45° (use with PM mounting only) **STEMCDTFCCPY/1-4**[4] Jbox Cover Canopy for flat ceiling, with 4x side conduits pass through, for 1/4 IPS pendant stem	**WH** White **BL** Black **CZ**[3] Customized	**12** 12" long **24** 24" long **36** 36" long **48** 48" long **CZ**[3] Customized	**18/3** 3 x 18 AWG, for non Dimming or TRIAC/ELV **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) **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 **BL** Black	**12** 12" long **24** 24" long **36** 36" long **48** 48" long **CZ**[3] Customized



FOOTNOTES:

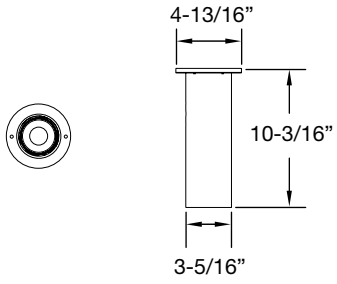
1. The Stem and cable canopies can be used for both plane and slope ceiling.
2. Cord length will be approximately 12" longer than cable or Stem.
3. Please contact factory for customized color and length. Please note the minimum customizable length of stem is 6".

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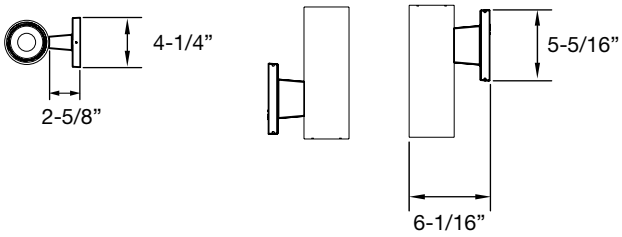
PXCYL Cylinder 2”

LINE DRAWINGS

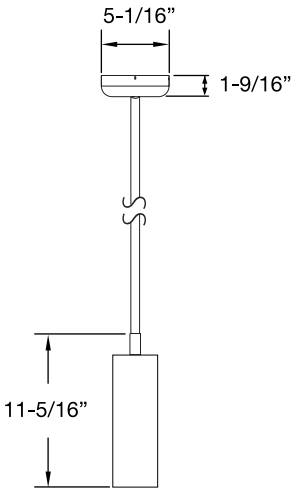
SURFACE MOUNT



WALL MOUNT

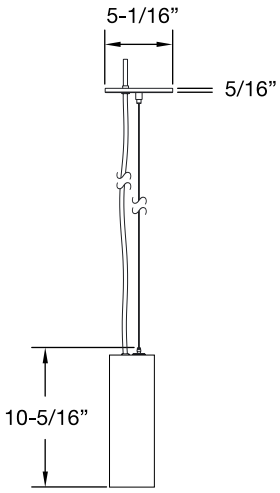


PENDANT



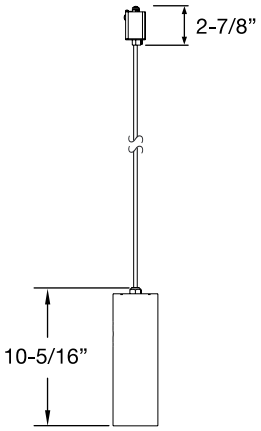
Shown with STEMSCCPY/1-4 Mounting Option

CABLE

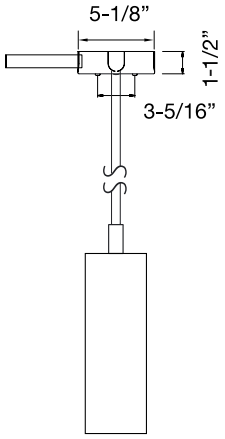


Shown with CABLECPY/1-4 Mounting Option

TRACK

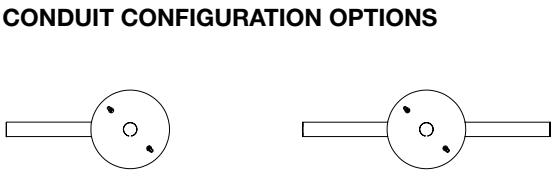


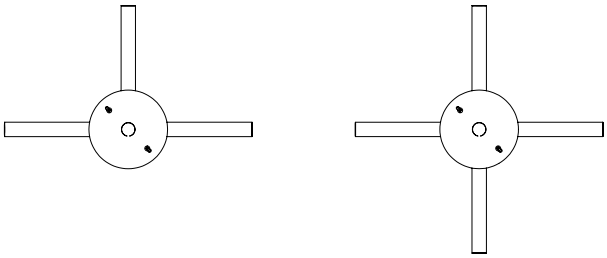
CONDUIT CANOPY PENDANT



Shown with STEMCDTFCCPY/1-4 Mounting Option

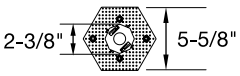
CONDUIT CONFIGURATION OPTIONS



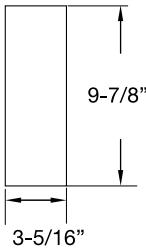


Up to four conduits. 3/4 trade size knockout (1-1/8”).
Conduit Canopy Cover can also be ordered stand alone as an accessory to complete your project (please see accessory table)

FLANGELESS SM KIT



FLANGELESS SURFACE MOUNT



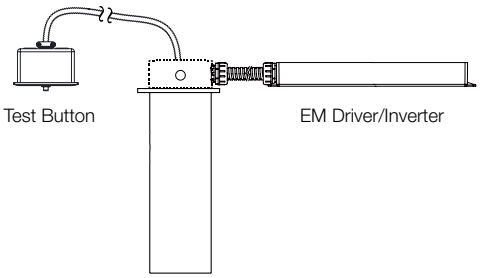
Shown in surface mounting configuration with PXCYL2-FLANGELESS SM KIT installed and finished ceiling

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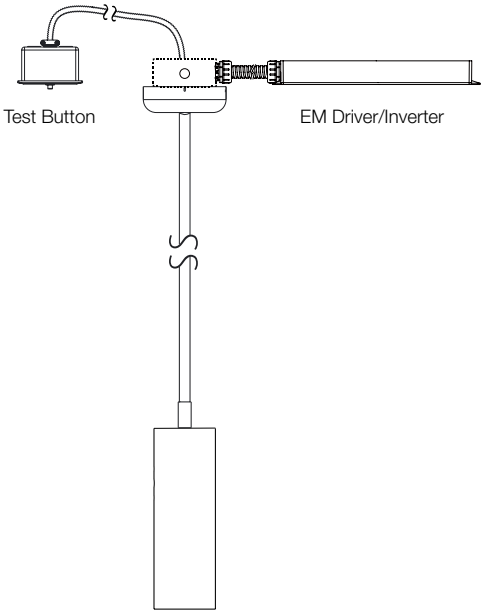
PXCYL Cylinder 2”

LINE DRAWINGS

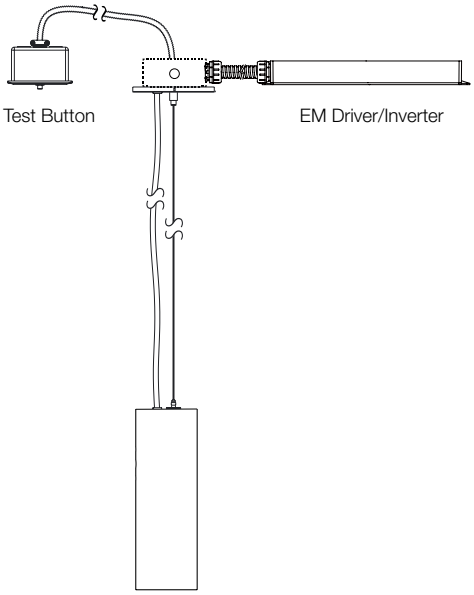
WITH FIELD INSTALLABLE EM



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. Must be used with 18/3-22/2 type cord for FUHPS1-UNV-25L-SD, GC 8EMINVERTER and 24EMINVERTER, or 18/4-22/2 for FHSCP-UNV-10.7WL/ FHSCP-UNV-10.7WL-CEC. Electrical Box and Single gang j-box by others.

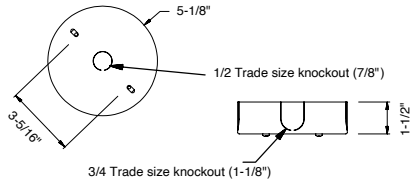
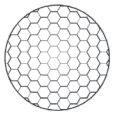
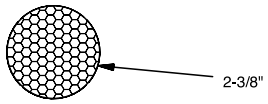
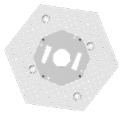
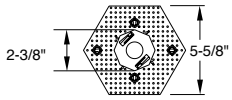
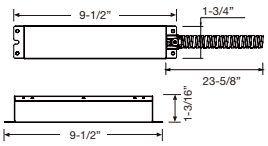
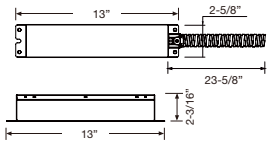
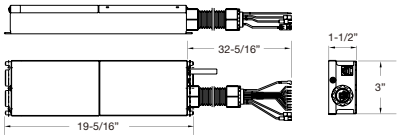
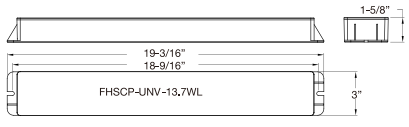


Field installable remote EM driver and Test button shown in Pendant Mount installation. Test button is supplied with EM driver/inverter. Must be used with 18/3-22/2 type cord for FUHPS1-UNV-25L-SD, GC 8EMINVERTER and 24EMINVERTER, or 18/4-22/2 for FHSCP-UNV-10.7WL/ FHSCP-UNV-10.7WL-CEC. Electrical Box and Single gang j-box by others.

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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/WM mounting and 120V and non 0-10V Driver options for PM/CM mounting. CEC Compliant.		

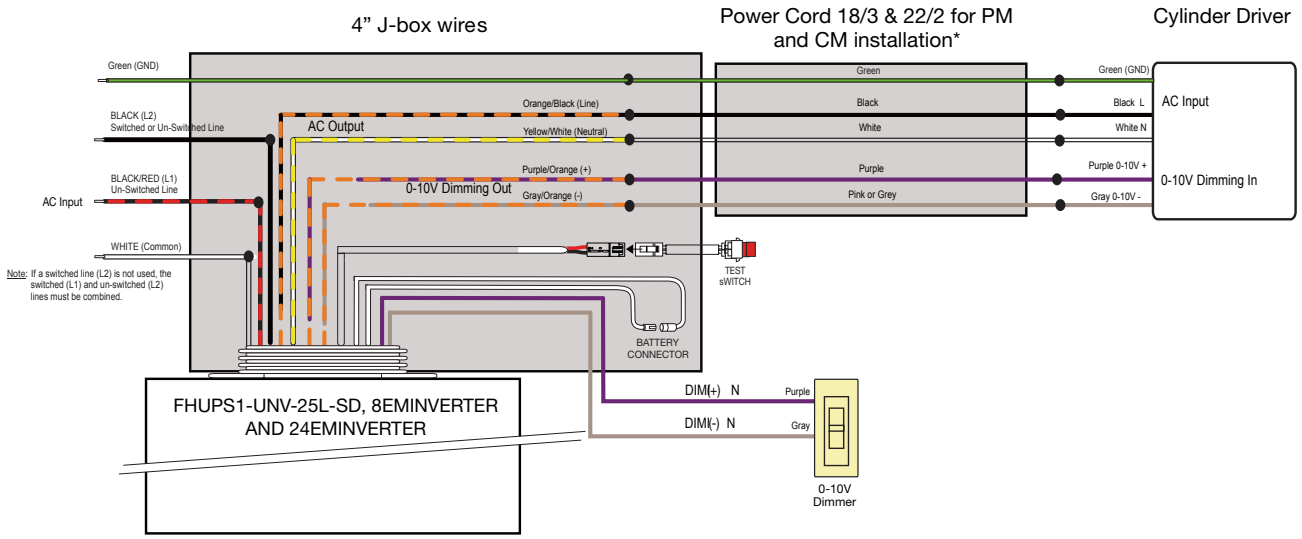
Note: For details of compatibility between each emergency solution and specific product models, please refer to the Products Emergency Compatibility Matrix file available on https://greencreative.com/emergency-accessories/

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PXCYL Cylinder 2”

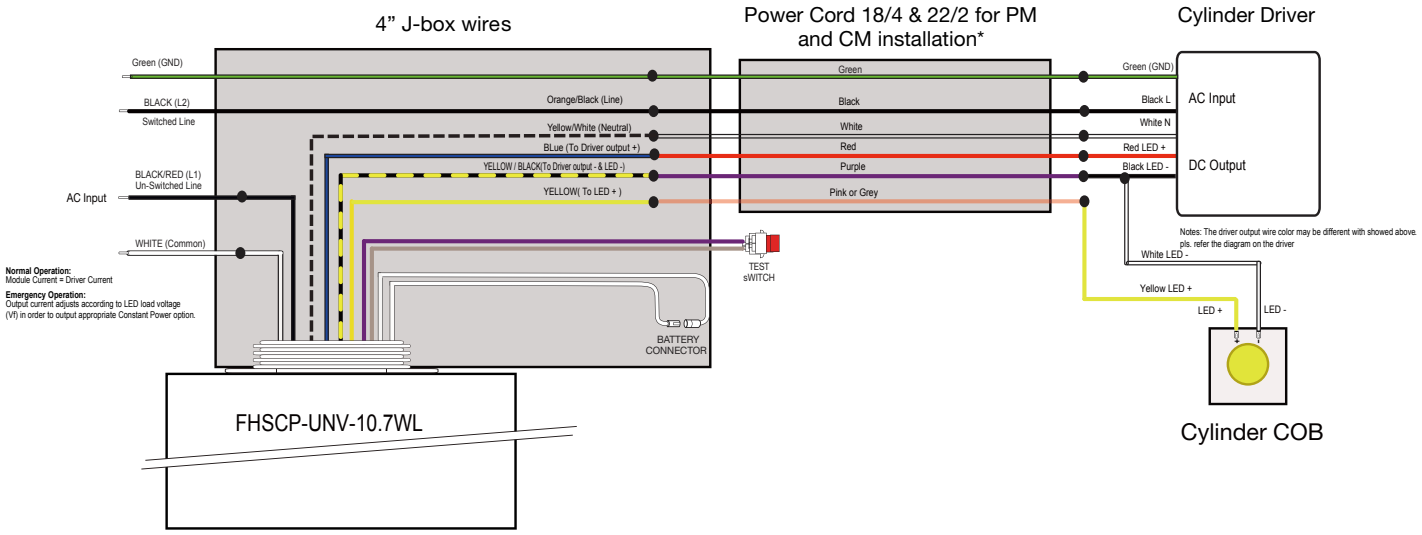
INSTALLATION

FHUPS1-UNV-25L-SD, 8EMINVERTER AND 24EMINVERTER 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.

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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

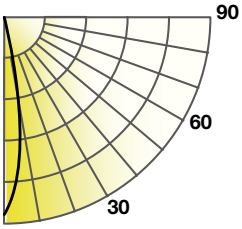
** Lumen output are based on rated lumens, for exact value please refer to the IES files

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PXCYL Cylinder 2”

PHOTOMETRY

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



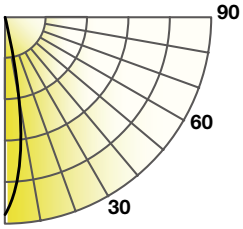
Lumens: 1,343 lm
CBCP: 14,066 cd
Power: 13 W
Efficacy: 112 lm/W
CRI: 92
Spacing Criteria: 0.3
Beam Angle: 15°

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)



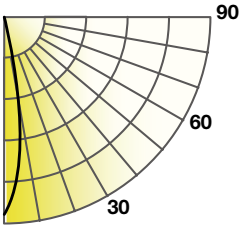
Lumens: 1,365 lm
CBCP: 7,197 cd
Power: 13 W
Efficacy: 114 lm/W
CRI: 92
Spacing Criteria: 0.4
Beam Angle: 23°

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)



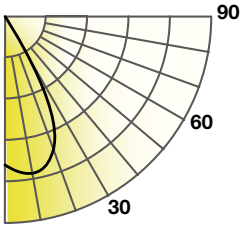
Lumens: 1,346 lm
CBCP: 4,379 cd
Power: 13 W
Efficacy: 112 lm/W
CRI: 92
Spacing Criteria: 0.5
Beam Angle: 33°

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

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