

Project Name:	Type:
Part Number:	Date:

PXCYL DIRECT AND INDIRECT CYLINDER

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 Pendant, Swivel or Suspension cable 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. Emergency options are available for external field installation
- **Optical Direct (Down)** - Self-flanged spun aluminum reflector for direct distribution. 35° optical cutoff. Field interchangeable optical lenses. Five beam distributions range from 15°- 75° using TIR optic available for Direct distribution. Wall wash field installed accessory. COB LED binned to 3-step SDCM to ensure color uniformity in 3000K, 3500K or 4000K CCT. Minimum 90 CRI.
- **Optical Indirect (Up)**- Proprietary Medium and Wide Optic. SMD LED array binned to 3-step SDCM to ensure color uniformity in 3000K, 3500K or 4000K CCT. Minimum 90 CRI.
- **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 45°C).
- **Compliance and Warranty** - ETL Listed for damp locations. 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.



102324

BENEFITS

- Central Mono-point suspension for clean up-light.
- Multiple finish and customization available to match any décor
- Pendant and cable mounting available
- Eliminate any indirect shadow and experience the cleanest and softest indirect lighting
- Special optical up-light design for a shallow non obstructive Cylinder

APPLICATIONS

- Retail
- Hospitality
- Residential
- Education
- Healthcare



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ORDERING INFORMATION

ORDERING EXAMPLE: Ex. PXCYLDI4/CM/LE1305/930/DIM010UNV/SP/MD/RALxxxx/CC

Model Series	Size	Mounting	Output (Direct/Indirect) ²	CRI	CCT ⁴	Driver	Optic Direct	Optic Indirect	Cylinder Finish	Reflector Finish Indirect	Options
☐ PXCYLDI Indoor PXCYL Cylinder Direct/Indirect	☐ 4 4"	☐ CM ¹ Cable Mount Ready	☐ LEM Medium Light Engine 70% Direct (Down) 2150/1785/1275lm, 30% Indirect (Up) 850/695/475lm	☐ 9 90+ CRI	☐ 30 3000K	☐ DIM120V SelectDrive 120V	☐ SP Spot 15° Beam Angle	☐ MD Medium 60° Beam Angle	☐ WH Matte White	☐ CC Clear	For Emergency options please see field installable options below
	☐ 6 6"	☐ PM ¹ Pendant Mount Ready	☐ LEL Large Light Engine 70% Direct (Down) 3950/3400/2800lm, 30% Indirect (Up) 1650/1450/1200lm		☐ 35 3500K	☐ DIM010UNV SelectDrive 0-10V	☐ VN Very Narrow 25° Beam Angle	☐ WD Wide 75° Beam Angle	☐ BL Matte Black	☐ WH White	
		*For Wall Mount option please see EXCYL Cylinder Series	☐ LEExxy Fixed Lumens 70% Direct (Down) xx= 21, 18, 13 / 40, 34, 28 Fixed Lumens 30% Indirect (Up) yy= 09, 07, 05 / 17, 15, 12		☐ 40 4000K		☐ NR Narrow 40° Beam Angle		☐ BZ ³ Bronze		
							☐ MD Medium 60° Beam Angle		☐ SV ³ Silver		
							☐ WD Wide 75° Beam Angle		☐ RALxxxx ³ Customized		

¹ Cable and Pendant Mount ready for Stem or Cable Suspension, order Canopy type and length separately.

² LEL (LE xx=40, 34, 28 yy= 17, 15, 12) are not available for 4" Cylinder.

³ Non-stock item: may be subject to extended lead time and minimum order quantity. Please contact factory for silver, bronze and customized finish color or customized reflectors for details.

⁴ CCT is the same direct and indirect

MOUNTING AND CANOPY ACCESSORIES AND OPTIONS

ORDERING EXAMPLE: CABLECPY/WH/50/18/3

CABLECPY			
Model Series	Color	Length ²	Cord Type
☐ CABLECPY ¹ 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)
	☐ CZ ³ Customized	☐ 100 Adjustable length up to 100" max.	☐ 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))
		☐ CZ ³ Customized	

ORDERING EXAMPLE: STEMSCCPY/3-8/WH/12/18/3

Model Series	Color	Length ²	Cord Type
☐ STEMSCCPY/3-8 ¹ Pendant Canopy with 3/8 IPS Stem for flat and slope ceiling up to 45" (Use with PM only)	☐ WH White	☐ 12 12" long	☐ 18/3 3 x 18 AWG, for non Dimming or TRIAC/ELV
☐ STEMCDTFCCPY/3-8 ⁴ Jbox Cover Canopy with 3/8 IPS Stem, for flat ceiling with 4x side conduits pass (Use with PM only)	☐ 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)
		☐ 36 36" long	☐ 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))
		☐ 48 48" long	
		☐ CZ ³ Customized	

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. ⁴ Stem Conduit Canopy only available for flat ceiling.

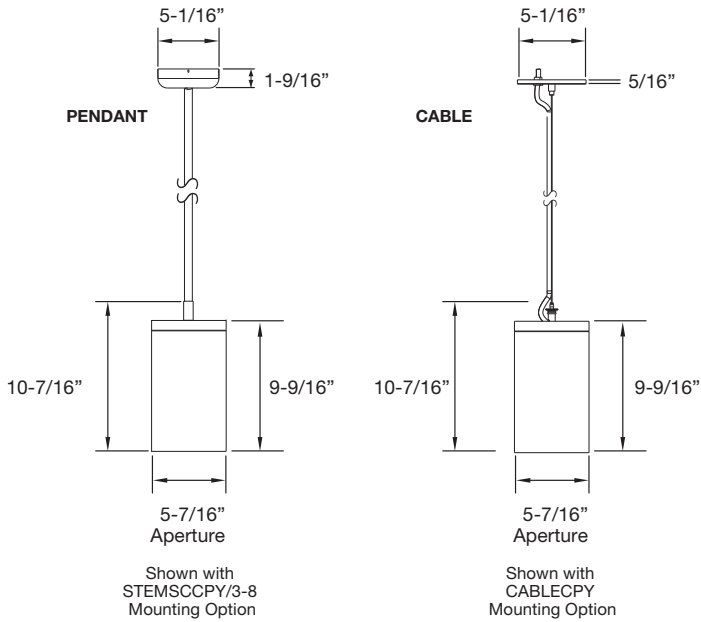


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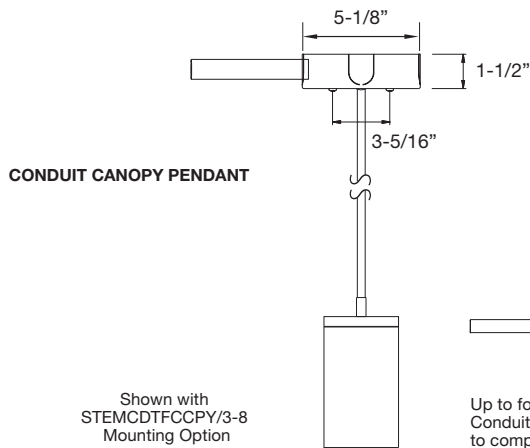
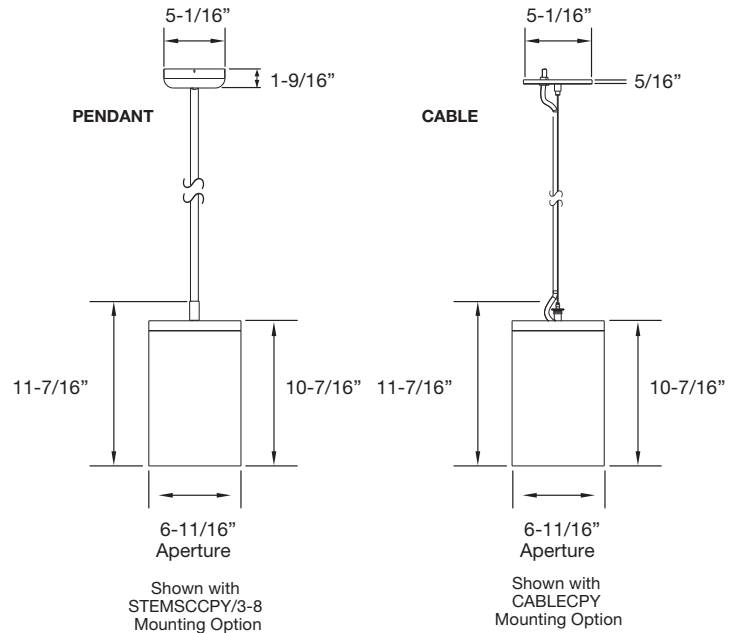
PXCYL DIRECT AND INDIRECT CYLINDER

LINE DRAWINGS

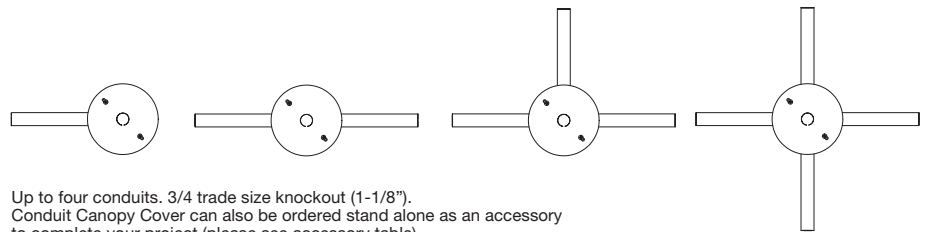
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6 INCH

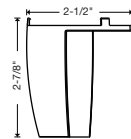
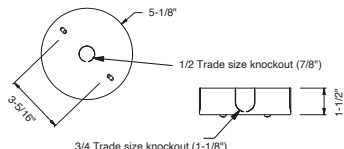


CONDUIT CONFIGURATION OPTIONS

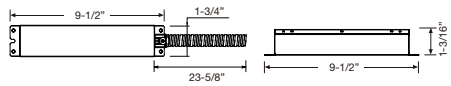
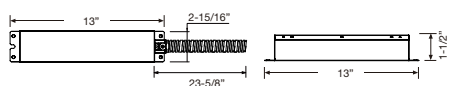
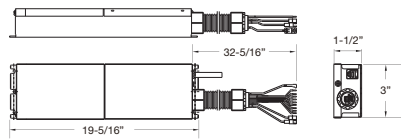
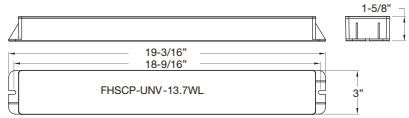


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ACCESSORY ORDERING INFORMATION

Product	Model	Description	Pictures	Dimensions
98079	ADWAW	Wall Wash ((Field installed on Module, for Direct Optic only)		
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.		

FIELD INSTALLABLE EMERGENCY UNIT ORDERING INFORMATION

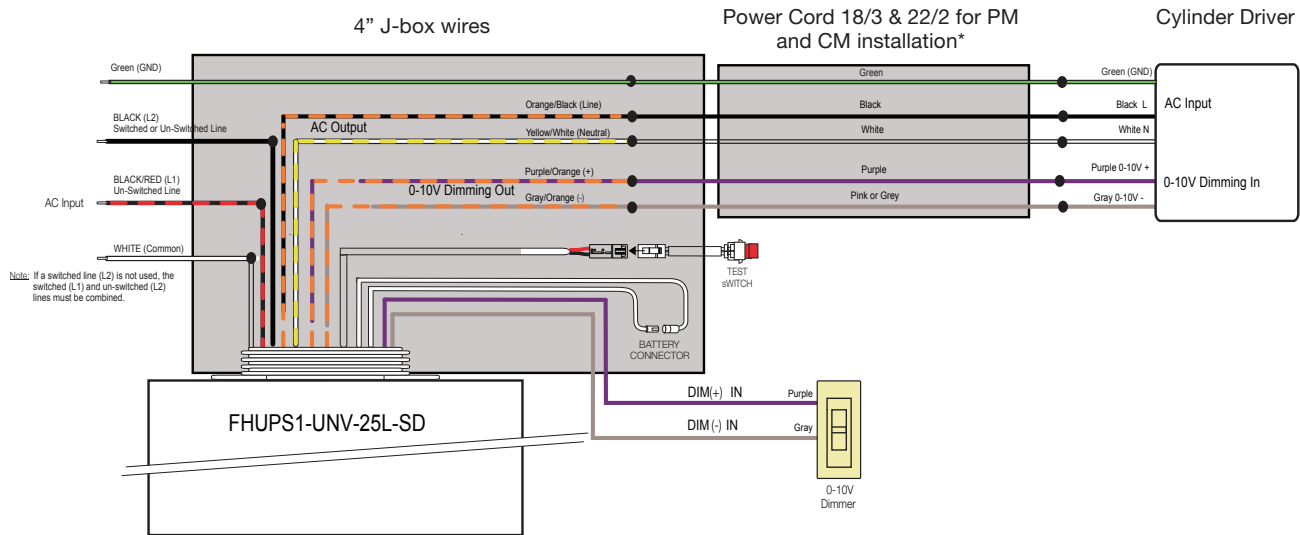
Product	Model	Description	Picture	Dimension
37934	8EMINVERTER	California Title 20 Compliant 8W Emergency LED Inverter (Field Installation) Compatible for 0-10V dimming models		
37935	21EMINVERTER	California Title 20 Compliant 21W Emergency LED Inverter (Field Installation) Compatible for 0-10V dimming models		
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 non 0-10V Driver options for PM/CM mounting. CEC Compliant.		



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



TECHNICAL INFORMATION

Light Engine	Input Voltage	Input Frequency	Input Current		Max. Input Power	THD Power		Power Factor	
			120V	277V		120V	277V	120V	277V
LEM	120-277V	50-60Hz	0.270A	0.117A	31.5W	<20%		>0.9	
LEL			0.530A	0.230A	60W				
LE13/05			0.140A	0.075A	18W				
LE18/07			0.210A	0.100A	25.5W				
LE21/09			0.270A	0.117A	31.5W				
LE28/12			0.300A	0.155A	37.5W				
LE34/15			0.390A	0.190A	48.5W				
LE40/17			0.530A	0.230A	60W				

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NOMINAL PERFORMANCE

LEM (LE13/05, LE18/07, LE21/09)

Finish	Output	3000K						3500K						4000K					
		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
Clear Diffuse	Direct	1,250	94	1,650	90	2,150	92	1,275	96	1,750	95	2,190	94	1,300	98	1,820	98	2,240	95
N/A	Indirect	450	94	650	90	750	92	460	96	660	95	770	94	470	98	680	98	750	95
White Diffuse	Direct	1,250	94	1,650	90	2,150	92	1,275	96	1,750	95	2,190	94	1,300	98	1,820	98	2,240	95
N/A	Indirect	450	94	650	90	750	92	460	96	660	95	770	94	470	98	680	98	750	95

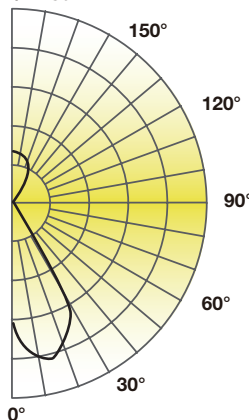
LEL (LE28/12, LE34/15, LE40/17)

Finish	Output	3000K						3500K						4000K					
		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
Clear Diffuse	Direct	2,500	96	3,100	90	3,500	83	2,550	98	3,160	93	3,570	85	2,600	100	3,220	94	3,640	87
N/A	Indirect	1100	96	1,300	90	1,500	83	1,120	98	1,330	93	1,530	85	1,140	100	1,350	94	1,560	87
White Diffuse	Direct	2,500	96	3,100	90	3,500	83	2,550	98	3,160	93	3,570	85	2,600	100	3,220	94	3,640	87
N/A	Indirect	1100	96	1,300	90	1,500	83	1,120	98	1,330	93	1,530	85	1,140	100	1,350	94	1,560	87

PHOTOMETRY

PXCYLDI4/PM/LEM/935/DIM010UNV/MD/MD/WH/CC

-/+ 180°



Lumens: 3,179 lm
CBCP: 1,620 cd
Power: 30 W
Efficacy: 108 lm/W
CRI: 95
Spacing Criteria: 1.0
Beam Angle: 68°

DOWN

Candlepower Distribution

Angle (°)	Average (cd)
10	2,003
20	1,999
30	1,282
40	410
50	47
60	16
70	8
80	6
90	0

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-30	1,568	49
0-40	2,036	63
0-60	2,178	68
0-90	2,201	69

Initial Footcandles

Height (ft)	Fc	Diameter (ft)
8	47	11
10	30	13
12	21	16
15	13	20
20	7	27

UP

Candlepower Distribution

Angle (°)	Average (cd)
180	653
170	644
160	573
150	408
140	258
130	150
120	78
110	39
100	20

Zonal Lumen Summary

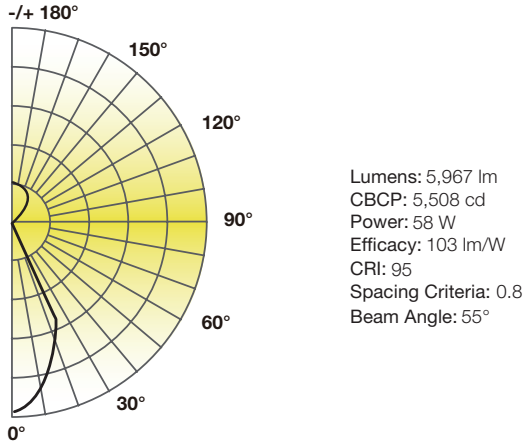
Zone	Lumens	%Fixt
150-180	457	14
130-180	803	25
120-180	808	25
90-180	998	31



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PHOTOMETRY

PXCYLDI6/PM/LEL/935/DIM010UNV/MD/MD/WH/CC



Initial Footcandles

Height (ft)	Fc	Diameter (ft)
8	112	8
10	72	10
12	50	12
15	32	16
20	18	21

DOWN

Candlepower Distribution	
Angle (°)	Average (cd)
10	4,837
20	3,597
30	2,435
40	581
50	27
60	15
70	11
80	9
90	0

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-30	3,042	50
0-40	3,937	65
0-60	4,069	68
0-90	4,103	68

UP

Candlepower Distribution	
Angle (°)	Average (cd)
180	1,232
170	1,219
160	1,092
150	776
140	489
130	284
120	150
110	74
100	52

Zonal Lumen Summary

Zone	Lumens	%Fixt
150-180	866	14
130-180	1,709	30
120-180	1,828	29
90-180	1,891	32