

Project Name:	Type:
Part Number:	Date:

PXCYL Cylinder 4"

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.
- **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

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, 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 4"

ORDERING GUIDE

SelectDrive Light Engine

PART #

Example: PXCYL4/SM/LEM9035/KDIM010UNV/MD/WH/CC

Series	Size	Mounting	Light Engine ⁶	CRI	CCT	Driver	Optical Distribution	Cylinder Finish	Reflector Finish	Options
PXCYL PXCYL Cylinder	4 4"	SM Surface Mount	LES Small Light Engine 500-700-1000 lumens	90 CRI 90+	27 ³ 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	LEM Medium Light Engine 1500-2000-2500 lumens	97 ^{2,3} 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 ⁵ 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 ⁴ Bronze	CZ ⁴ Customized	AWN ⁷ Lutron Athena Node
		WM Wall Mount			40 4000K		MD Medium 60° Beam Angle	SV ⁴ Silver		For Emergency options please see field installable options below
		WMUP Wall Mount Up lighting			50 ³ 5000K		WD Wide 75° Beam Angle	CZ ⁴ Customized		

Fixed Lumen Output Light Engine

PART #

Example: PXCYL4/SM/LE209035/XT010UNV/MD/WH/CC

Series	Size	Mounting	Light Engine	CRI	CCT	Driver	Optical Distribution	Cylinder Finish	Reflector Finish	Options
PXCYL PXCYL Cylinder	4 4"	SM Surface Mount	LE05 500 lumens	90 CRI 90+	27 ³ 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 ^{2,3} 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 ⁵ 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 ⁴ Bronze	CZ ⁴ Customized	For Emergency options please see field installable options below
		WM Wall Mount	LE15 1,500 lumens		40 4000K	LUT-L3DUNV Lutron Hi-lume 3-Wire 1% Dimming, 120-277V	MD Medium 60° Beam Angle	SV ⁴ Silver		
		WMUP Wall Mount Up lighting	LE20 2,000 lumens LE25 2,500 lumens		50 ³ 5000K	ELD-E010UNV EldoLED ECOdrive 0-10V 1%, 120-277V ELD-EDALIUNV EldoLED ECOdrive DALI 1%, 120-277V ELD-S010UNV EldoLED SOLdrive 0-10V 0.1%, 120-277V ELD-SDALIUNV EldoLED SOLdrive DALI 0.1%, 120-277V OSRDIM010347V Osram OPTOTRONIC 0-10V 1%, 347V	WD Wide 75° Beam Angle	CZ ⁴ Customized		

FOOTNOTES:

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



PXCYL Cylinder 4"

MOUNTING AND CANOPY ACCESSORIES AND OPTIONS

PART #			Example: CABLECPY/WH/50/18/3
Series	Color	Length ²	Cord Type
CABLECPY¹ 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.	18/4-22/2 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))
		CZ³ Customized	

PART #			Example: STEMSCCPY/3-8/WH/12/18/3
Series	Color	Length	Cord Type
STEMSCCPY/3-8¹ 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
	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	18/4-22/2 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))
		48 48" long	
STEMCDTFCCPY/3-8⁴ Jbox Cover Canopy with 3/8 IPS Stem, for flat ceiling with 4x side conduits pass (Use with PM only)		CZ³ Customized	

FOOTNOTES:

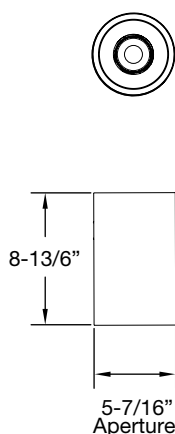
1. The Stem and cable canopies can be used for both plane and slope ceiling.

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

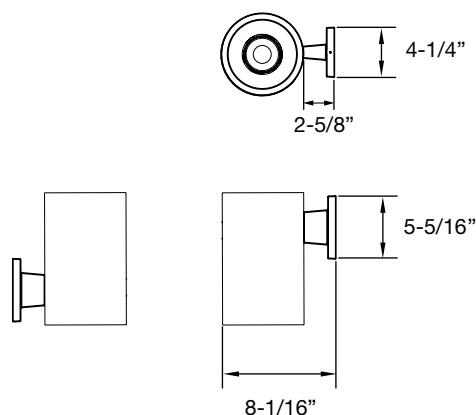
3. Please contact factory for customized color and length. Please note the minimum customizable length of stem is 6".

LINE DRAWINGS

CEILING



WALL MOUNT

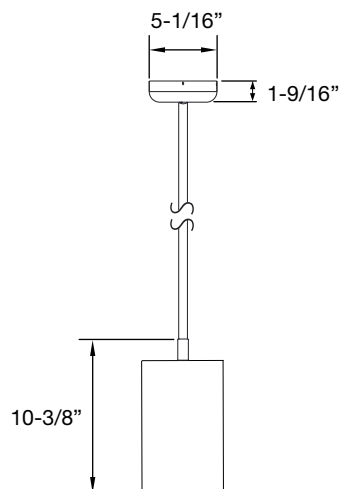




PXCYL Cylinder 4"

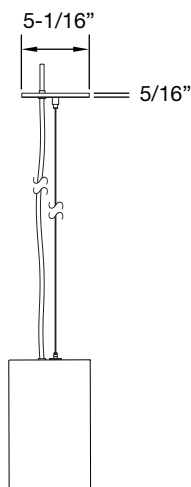
LINE DRAWINGS

PENDANT



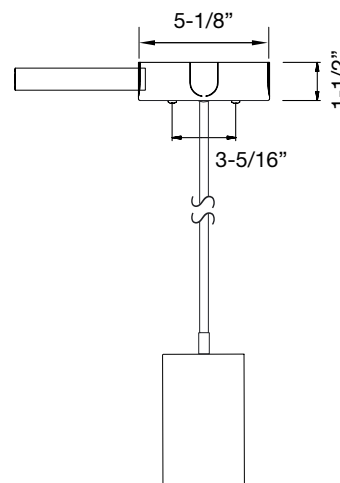
Shown with STEMSCCPY/3-8
Mounting Option

CABLE



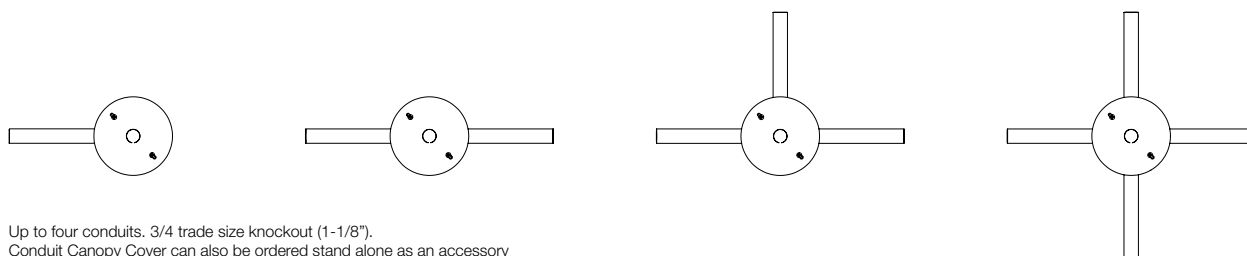
Shown with CABLECPY
Mounting Option

CONDUIT CANOPY PENDANT



Shown with STEMCDTFCCPY/3-8
Mounting Option

CONDUIT CONFIGURATION OPTIONS



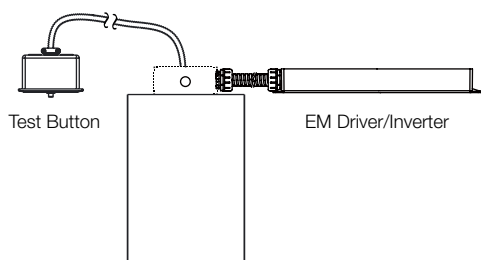
Up to four conduits. 3/4 trade size knockout (1-1/8").
Conduit Canopy Cover can also be ordered stand alone as an accessory
to complete your project (please see accessory table)



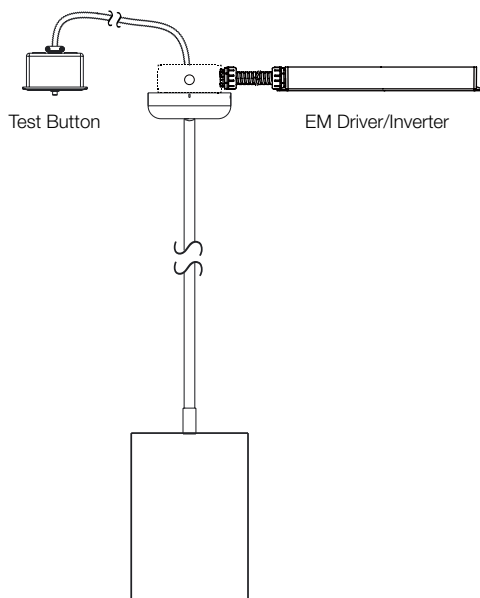
PXCYL Cylinder 4"

LINE DRAWINGS

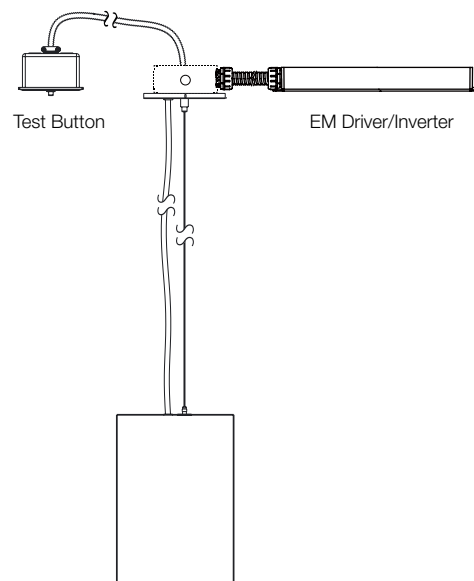
WITH FIELD INSTALLABLE EM



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.

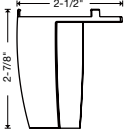
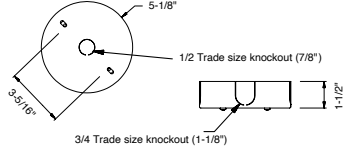
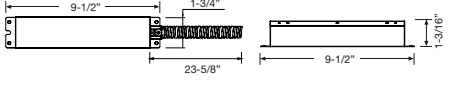
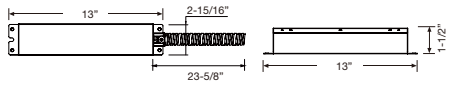
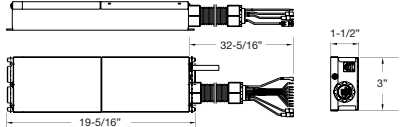
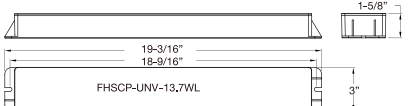


Field installable remote EM driver and Test button shown in Pendant Mount installation. Test button is supplied with EM driver/inverter. Need to be used with 18-3/2-22 type cord for FHUPS1-UNV-25L-SD or 18-4/22-2 for FHSCP-UNV-10.7WL/FHSCP-UNV-10.7WL-CEC Electrical Box and Single gang j-box by others.



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 4"

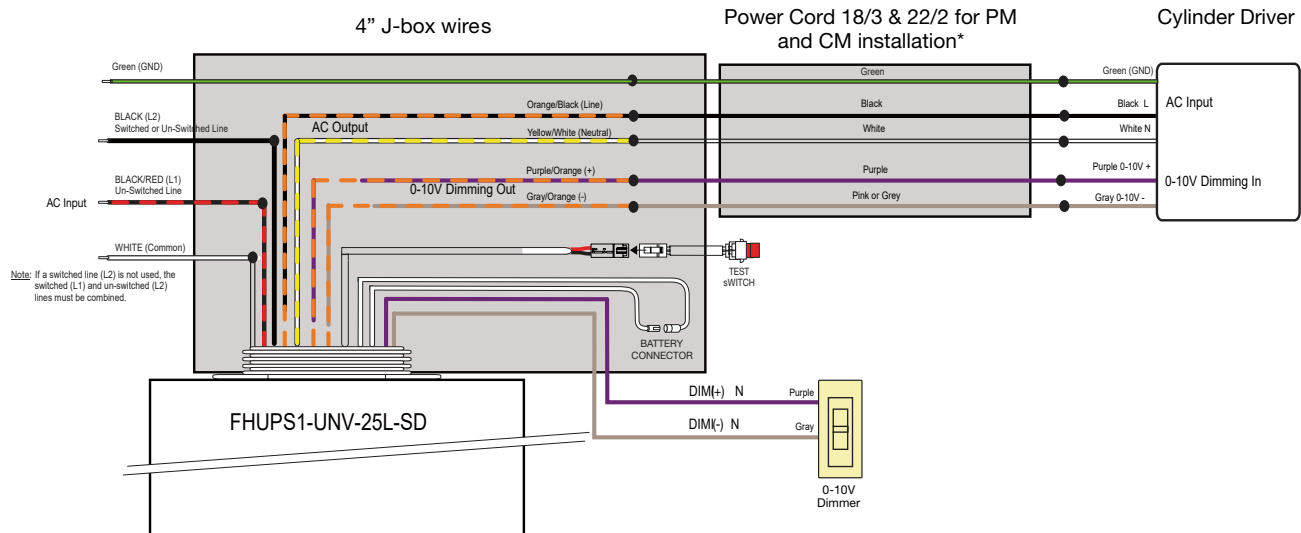
ACCESSORY ORDERING INFORMATION				
Product	Model	Description	Pictures	Dimensions
98079	ADAWW	Wall Wash (Field Installed on Module)		
JCOV-WH	JCOV-WH	White finish, decorative Jbox cover, with 4 side conduit pass-through.		
JCOV-BK	JCOV-BK	Black finish, decorative Jbox cover, with 4 side conduit pass-through.		
37934	8EMINVERTER	California Title 20 Compliant 8W Emergency LED Inverter (Field Installation) Compatible for 0-10V dimming models with LES and LEM light engines.		
37935	21EMINVERTER	California Title 20 Compliant 21W Emergency LED Inverter (Field Installation) Compatible for 0-10V dimming models with LES and LEM 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 4"

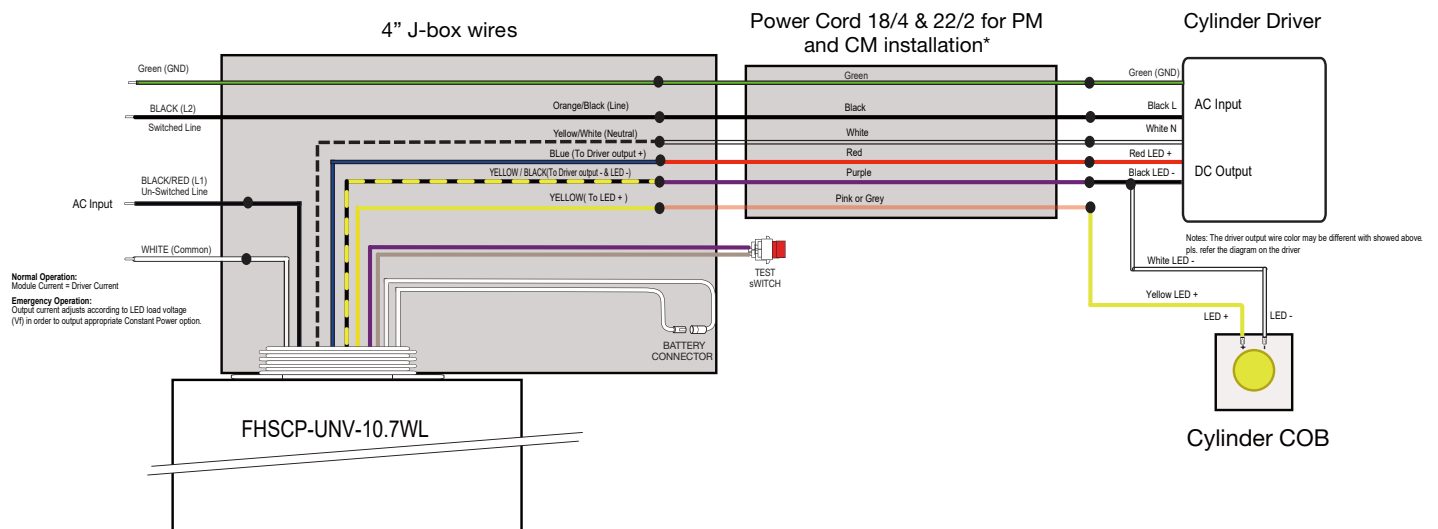
INSTALLATION

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 4"

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		

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 / LE25) - Low / Medium / High - 18.0 / 25.5 / 31.5W

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	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

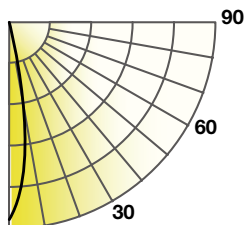
** Lumen output are based on rated lumens, for exact value please refer to the IES files



PXCYL Cylinder 4"

PHOTOMETRY

PXCYL4/xx/LES9035/KDIM010UNV/SP/xx/CC (High Output)



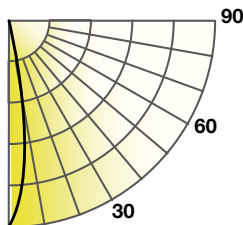
Lumens: 1,005 lm
CBCP: 4,803 cd
Power: 13 W
Efficacy: 84 lm/W
CRI: 92
Spacing Criteria: 0.3
Beam Angle: 18°

Candlepower Distribution	
Angle (°)	Average (cd)
10	1,959
20	542
30	315
40	163
50	52
60	10
70	2
80	0
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	45	3
10	29	3
12	20	4
15	13	5
20	7	6

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	749	75
0-40	895	89
0-60	998	99
0-90	1,004	100

PXCYL4/xx/LES9035/KDIM010UNV/VN/xx/CC (High Output)



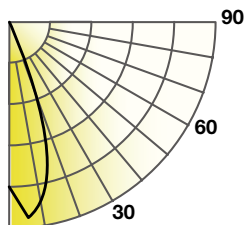
Lumens: 1,239 lm
CBCP: 4,968 cd
Power: 13 W
Efficacy: 103 lm/W
CRI: 92
Spacing Criteria: 0.4
Beam Angle: 22°

Candlepower Distribution	
Angle (°)	Average (cd)
10	2,590
20	1,142
30	329
40	71
50	21
60	4
70	1
80	0
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	60	3
10	38	4
12	27	5
15	17	6
20	10	8

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	1,102	89
0-40	1,193	96
0-60	1,236	100
0-90	1,239	100

PXCYL4/xx/LES9035//KDIM010UNV/NR/xx/CC (High Output)



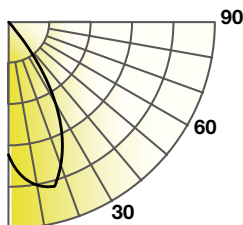
Lumens: 1,242 lm
CBCP: 2,289 cd
Power: 13 W
Efficacy: 104 lm/W
CRI: 92
Spacing Criteria: 0.7
Beam Angle: 44°

Candlepower Distribution	
Angle (°)	Average (cd)
10	2,184
20	1,428
30	442
40	72
50	15
60	3
70	1
80	0
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	51	6
10	32	8
12	23	10
15	14	12
20	8	16

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	1,095	88
0-40	1,205	97
0-60	1,240	100
0-90	1,241	100

PXCYL4/xx/LES9035/KDIM010UNV/MD/xx/CC (High Output)



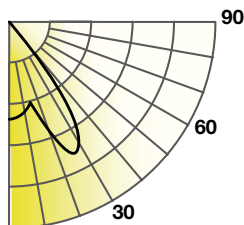
Lumens: 1,254 lm
CBCP: 1,362 cd
Power: 13 W
Efficacy: 105 lm/W
CRI: 92
Spacing Criteria: 0.95
Beam Angle: 65°

Candlepower Distribution	
Angle (°)	Average (cd)
10	1,237
20	1,228
30	711
40	234
50	26
60	5
70	1
80	0
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	29	10
10	23	12
12	18	13
15	13	15
20	8	19

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	926	74
0-40	1,176	94
0-60	1,250	100
0-90	1,253	100

PXCYL4/xx/LES9035/KDIM010UNV/WD/xx/CC (High Output)



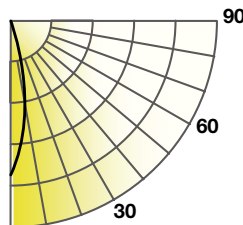
Lumens: 1,292 lm
CBCP: 1,018 cd
Power: 13 W
Efficacy: 108 lm/W
CRI: 92
Spacing Criteria: 1.2
Beam Angle: 84°

Candlepower Distribution	
Angle (°)	Average (cd)
10	649
20	739
30	1,000
40	448
50	39
60	8
70	8
80	0
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	15	14
10	10	18
12	7	22
15	4	27
20	2	36

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	669	52
0-40	1,116	86
0-60	1,285	100
0-90	1,290	100

PXCYL4/xx/LEM9035/KDIM010UNV/SP/xx/CC (High Output)



Lumens: 2,311 lm
CBCP: 11,054 cd
Power: 30 W
Efficacy: 73 lm/W
CRI: 92
Spacing Criteria: 0.3
Beam Angle: 18°

Candlepower Distribution	
Angle (°)	Average (cd)
10	453
20	123
30	73
40	38
50	12
60	1
70	1
80	0
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	11	3
10	7	3
12	5	4
15	3	5
20	2	6

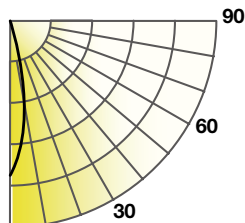
Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	1,718	74
0-40	2,054	89
0-60	2,293	99
0-90	2,309	100



PXCYL Cylinder 4"

PHOTOMETRY

PXCYL4/xx/LEM9035/KDIM010UNV/VN/xx/CC (High Output)



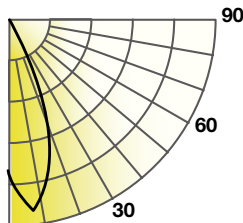
Lumens: 2,849 lm
CBCP: 11,431 cd
Power: 30 W
Efficacy: 91 lm/W
CRI: 92
Spacing Criteria: 0.4
Beam Angle: 22°

Candlepower Distribution	
Angle (°)	Average (cd)
10	597
20	261
30	75
40	16
50	5
60	1
70	0
80	0
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	14	3
10	9	4
12	6	5
15	4	6
20	2	8

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	2,530	89
0-40	2,738	96
0-60	2,840	100
0-90	2,847	100

PXCYL4/xx/LEM9035/KDIM010UNV/NR/xx/CC (High Output)



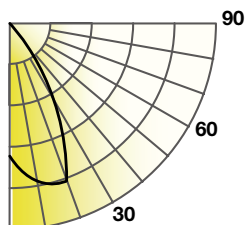
Lumens: 2,886 lm
CBCP: 5,316 cd
Power: 30 W
Efficacy: 91 lm/W
CRI: 92
Spacing Criteria: 0.7
Beam Angle: 44°

Candlepower Distribution	
Angle (°)	Average (cd)
10	5,067
20	3,327
30	1,021
40	168
50	35
60	8
70	2
80	0
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	118	6
10	75	8
12	52	10
15	33	12
20	19	16

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	2,540	88
0-40	2,797	97
0-60	2,879	100
0-90	2,884	100

PXCYL4/xx/LEM9035/KDIM010UNV/MD/xx/CC (High Output)



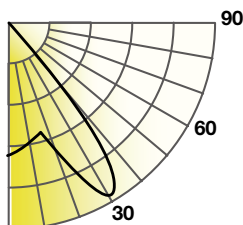
Lumens: 2,877 lm
CBCP: 3,117 cd
Power: 30 W
Efficacy: 91 lm/W
CRI: 92
Spacing Criteria: 1.0
Beam Angle: 65°

Candlepower Distribution	
Angle (°)	Average (cd)
10	2,826
20	2,816
30	1,630
40	541
50	60
60	12
70	3
80	1
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	66	10
10	42	13
12	29	15
15	19	19
20	10	26

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	2,121	74
0-40	2,695	94
0-60	2,865	100
0-90	2,874	100

PXCYL4/xx/LEM9035/KDIM010UNV/WD/xx/CC (High Output)



Lumens: 2,970 lm
CBCP: 2,332 cd
Power: 30 W
Efficacy: 95 lm/W
CRI: 92
Spacing Criteria: 1.2
Beam Angle: 84°

Candlepower Distribution	
Angle (°)	Average (cd)
10	1,497
20	1,705
30	2,300
40	1,026
50	91
60	18
70	5
80	2
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	35	14
10	22	18
12	15	22
15	10	27
20	6	36

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	1,535	52
0-40	2,561	86
0-60	2,951	99
0-90	2,965	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