

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. 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. Enlighted compact sensors and Philips EasySense sensors are field installable and directly integrate with the factory provided Philips Xitanium driver and Sensor Ready bridge.
- **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).
- **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.



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## 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

## APPLICATIONS

- Retail
- Hospitality
- Residential
- Education
- Healthcare



# PXCYL CYLINDER 4"

## ORDERING INFORMATION

### ORDERING EXAMPLE

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

### SelectDrive Light Engine

Model Series	Size	Mounting	Light Engine	CRI	CCT	Driver	Optical Distribution	Cylinder Finish	Reflector Finish	Options
<input type="checkbox"/> PXCYL PXCYL Cylinder	<input type="checkbox"/> 4 4"	<input type="checkbox"/> SM Surface Mount	<input type="checkbox"/> LES Small Light Engine 500-700-1000 lumens	<input type="checkbox"/> 90 CRI 90+	<input type="checkbox"/> 27 <sup>3</sup> 2700K	<input type="checkbox"/> KDIM120V SelectDrive 120V, 50/60Hz Forward/Reverse phase dimming	<input type="checkbox"/> SP Spot 15° Beam Angle	<input type="checkbox"/> WH Matte White	<input type="checkbox"/> CC Clear	<input type="checkbox"/> EM <sup>5</sup> 10W Field Installable Emergency Backup
		<input type="checkbox"/> CM <sup>1</sup> Cable Mount Ready	<input type="checkbox"/> LEM Medium Light Engine 1500-2000-2500 lumens	<input type="checkbox"/> 97 <sup>2</sup> 97 CRI 3000K TRUE CHROMA	<input type="checkbox"/> 30 3000K	<input type="checkbox"/> KDIM010UNV SelectDrive 120-277V, 50/60Hz 0-10V dimming	<input type="checkbox"/> VN Very Narrow 25° Beam Angle	<input type="checkbox"/> BL Matte Black	<input type="checkbox"/> WH White	<input type="checkbox"/> EM <sup>5</sup> -CEC 10W Field Installable Emergency Backup California Compliant
		<input type="checkbox"/> PM <sup>1</sup> Pendant Mount Ready			<input type="checkbox"/> 35 3500K		<input type="checkbox"/> NR Narrow 40° Beam Angle	<input type="checkbox"/> CZ <sup>4</sup> Customized	<input type="checkbox"/> CZ <sup>4</sup> Customized	<input type="checkbox"/> WET <sup>10</sup> Wet Location Ready
		<input type="checkbox"/> WM Wall Mount			<input type="checkbox"/> 40 4000K		<input type="checkbox"/> MD Medium 60° Beam Angle			
		<input type="checkbox"/> WMUP Wall Mount Up lighting			<input type="checkbox"/> 50 <sup>3</sup> 5000K		<input type="checkbox"/> WD Wide 75° Beam Angle			

### Fixed Lumen Output Light Engine

Model Series	Size	Mounting	Light Engine	CRI	CCT	Driver	Optical Distribution	Cylinder Finish	Reflector Finish	Options
<input type="checkbox"/> PXCYL PXCYL Cylinder	<input type="checkbox"/> 4 4"	<input type="checkbox"/> SM Surface Mount	<input type="checkbox"/> LE05 <sup>5</sup> 500 lumens	<input type="checkbox"/> 90 CRI 90+	<input type="checkbox"/> 27 <sup>3</sup> 2700K	<input type="checkbox"/> PSRUNV 0-10V Titanium Driver + SR Ready Bridge, 120-277V	<input type="checkbox"/> SP Spot 15° Beam Angle	<input type="checkbox"/> WH Matte White	<input type="checkbox"/> CC Clear	<input type="checkbox"/> EM <sup>5</sup> 10W Field Installable Emergency Backup
		<input type="checkbox"/> CM <sup>1</sup> Cable Mount Ready	<input type="checkbox"/> LE07 700 lumens	<input type="checkbox"/> 97 <sup>2</sup> 97 CRI 3000K TRUE CHROMA	<input type="checkbox"/> 30 3000K	<input type="checkbox"/> XT010UNV 0-10V 1% Titanium Driver, 120-277V	<input type="checkbox"/> VN Very Narrow 25° Beam Angle	<input type="checkbox"/> BL Matte Black	<input type="checkbox"/> WH White	<input type="checkbox"/> EM <sup>5</sup> -CEC 10W Field Installable Emergency Backup California Compliant
		<input type="checkbox"/> PM <sup>1</sup> Pendant Mount Ready	<input type="checkbox"/> LE10 1,000 lumens		<input type="checkbox"/> 35 3500K	<input type="checkbox"/> LUT-5UNV Lutron EcoSystem 5% Dimming, 120-277V	<input type="checkbox"/> NR Narrow 40° Beam Angle	<input type="checkbox"/> CZ <sup>4</sup> Customized	<input type="checkbox"/> CZ <sup>4</sup> Customized	<input type="checkbox"/> ES <sup>6</sup> Philips EasySense CPM SN200 Ceiling Mount Sensor
		<input type="checkbox"/> WM Wall Mount	<input type="checkbox"/> LE15 1,500 lumens		<input type="checkbox"/> 40 4000K	<input type="checkbox"/> LUT-1UNV Lutron EcoSystem 1% Dimming, 120-277V	<input type="checkbox"/> MD Medium 60° Beam Angle			<input type="checkbox"/> ENLS <sup>7</sup> -IL Enlighted Two Wire ENLIGHTED ONE Compact Sensor
		<input type="checkbox"/> WMUP Wall Mount Up lighting	<input type="checkbox"/> LE20 2,000 lumens		<input type="checkbox"/> 50 <sup>3</sup> 5000K	<input type="checkbox"/> LUT-L3DUNV Lutron Hi-Lume 3-Wire 1% Dimming, 120-277V	<input type="checkbox"/> WD Wide 75° Beam Angle			<input type="checkbox"/> ENLS <sup>7</sup> -CL Enlighted Two Wire CONNECTED LIGHTING Compact Sensor
			<input type="checkbox"/> LE25 2,500 lumens			<input type="checkbox"/> ELD-E010UNV EldoLED ECOdrive 0-10V 1%, 120-277V				<input type="checkbox"/> ENLS <sup>7</sup> -IOT Enlighted Two Wire IOT Compact Sensor
						<input type="checkbox"/> ELD-EDALIUNV EldoLED ECOdrive DALI 1%, 120-277V				<input type="checkbox"/> WET <sup>10</sup> Wet Location Ready
						<input type="checkbox"/> ELD-S010UNV EldoLED SOLOdrive 0-10V 0.1%, 120-277V				
						<input type="checkbox"/> ELD-SDALIUNV EldoLED SOLOdrive DALI 0.1%, 120-277V				
						<input type="checkbox"/> OSRDIM010347V Osram OPTOTRONIC 0-10V 1%, 347V				

<sup>1</sup> Cable and Pendant Mount ready for Stem or Cable Suspension, order Canopy type and length separately. <sup>2</sup> TRUE CHROMA only available for 3000K, contact factory for detail and other CCT. <sup>3</sup> 2700K and 5000K are not standard CCT and might be subjected to longer lead time, contact factory for detail. <sup>4</sup> Please contact factory for customized finish color or customized reflectors for feasibility. <sup>5</sup> Emergency units are not integrated and required clearance for external installation and additional single gang J-box, provided by other, for test button face plate installation. <sup>6</sup> Philips EasySense ceiling mounted sensor is only available with the PSRUNV driver. <sup>7</sup> Enlighted Two Wire Compact Sensor with ceiling mount is only available with the PSRUNV driver. <sup>8</sup> LE05 is not available with LUT-5UNV. <sup>9</sup> LE50 is not available with LUT-5UNV and LUT-1UNV. <sup>10</sup> WET location are available only for Surface Mounted and Wall Mount downlighting under covered ceiling.



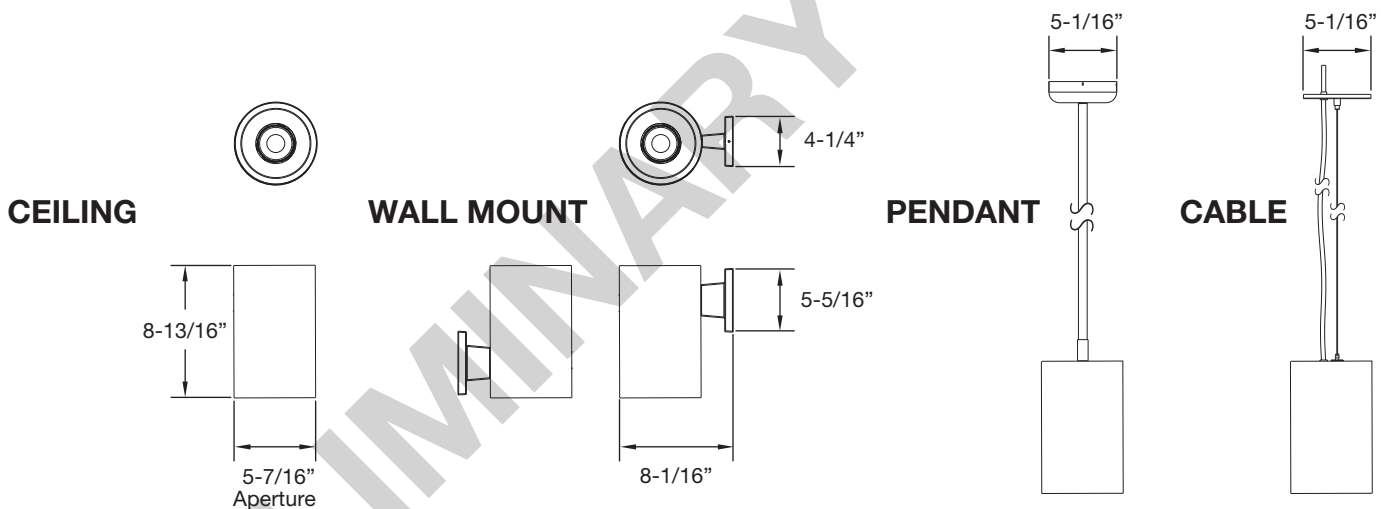
# PXCYL CYLINDER 4"

## MOUNTING AND CANOPY ACCESSORIES AND OPTIONS

Model Series	Color	Length <sup>3</sup>	Cord Type	Stem <sup>2</sup>	Length	Finish	
<input type="checkbox"/> <b>CABLECPY<sup>1</sup></b> Cable mount canopy for flat and slope ceiling (use with CM mounting only)	<input type="checkbox"/> <b>WH</b> White	<input type="checkbox"/> <b>50</b> Adjustable length up to 50" max.	<input type="checkbox"/> <b>18/3</b> 3 x 18 AWG, for non Dimming or TRIAC/ELV	<input type="checkbox"/> <b>STEM/3-8</b> Stem (3/8 IPS)	<input type="checkbox"/> <b>12</b> 12" long	<input type="checkbox"/> <b>WH</b> White	
	<input type="checkbox"/> <b>BL</b> Black		<input type="checkbox"/> <b>18/3-22/2</b> 3 x 18 AWG, 2 x 22 AWG (purple, pink), for 0-10V control and dimming			<input type="checkbox"/> <b>24</b> 24" long	<input type="checkbox"/> <b>BL</b> Black
	<input type="checkbox"/> <b>CZ<sup>4</sup></b> Customized		<input type="checkbox"/> <b>18/4</b> 4 x 18 AWG, for non Dimming or TRIAC/ELV emergency wiring			<input type="checkbox"/> <b>36</b> 36" long	<input type="checkbox"/> <b>CZ<sup>4</sup></b> Customized
<input type="checkbox"/> <b>STEMSCOPY/3-8<sup>1,2</sup></b> Pendant stem Canopy (3/8 IPS) for flat and slope ceiling up to 45° (use with PM mounting only)	<input type="checkbox"/> <b>WH</b> White	<input type="checkbox"/> <b>(Blank)</b> Leave blank if you don't need power cord	<input type="checkbox"/> <b>(Blank)</b> Leave blank if you don't need power cord		<input type="checkbox"/> <b>36</b> 36" long	<input type="checkbox"/> <b>CZ<sup>4</sup></b> Customized	
	<input type="checkbox"/> <b>BL</b> Black	<input type="checkbox"/> <b>12</b> 12" long	<input type="checkbox"/> <b>18/3</b> 3 x 18 AWG, for non Dimming or TRIAC/ELV		<input type="checkbox"/> <b>48</b> 48" long		
	<input type="checkbox"/> <b>CZ<sup>4</sup></b> Customized	<input type="checkbox"/> <b>24</b> 24" long	<input type="checkbox"/> <b>18/3-22/2</b> 3 x 18 AWG, 2 x 22 AWG (purple, pink), for 0-10V control and dimming		<input type="checkbox"/> <b>CZ<sup>4</sup></b> Customized		
		<input type="checkbox"/> <b>36</b> 36" long	<input type="checkbox"/> <b>18/4</b> 4 x 18 AWG, for non Dimming or TRIAC/ELV emergency wiring				
		<input type="checkbox"/> <b>48</b> 48" long	<input type="checkbox"/> <b>18/4-22/2</b> 4 x 18 AWG, 2 x 22 AWG, for emergency wiring and 0-10V control and dimming				
	<input type="checkbox"/> <b>CZ<sup>4</sup></b> Customized						

<sup>1</sup> The Stem and cable canopies can be used for both plane and slope ceiling. <sup>2</sup> Stem to be ordered separately. <sup>3</sup> Cord length will be 12" longer than cable or Stem. <sup>4</sup> Please contact factory for customized color and length.

## LINE DRAWINGS



## 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		



# PXCYL CYLINDER 4"

## 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
Finish	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	770 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	770 91	1,100 88	575 88	805 95	1,150 92	580 89	810 95	1,165 93

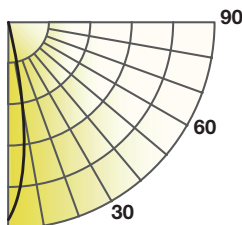
LEM (LE15 / LE20 / LE25) - Low / Medium / High - 18.0 / 25.5 / 31.5W

CCT	2700K			3000K			3500K			4000K			5000K		
Output**	Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High
Finish	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

## PHOTOMETRY

PXCYL4/xx/LES9030/KDIM010UNV/SP/xx/CC (High Output)



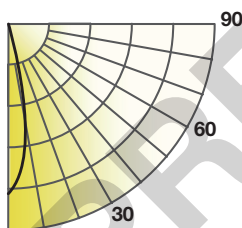
Lumens: 930 lm  
CBCP: 4,193 cd  
Power: 12 W  
Efficacy: 77 lm/W  
CRI: 92  
Spacing Criteria: 0.3  
Beam Angle: 19°

Candlepower Distribution	
Angle (°)	Average (cd)
10	1,923
20	561
30	287
40	128
50	38
60	9
70	3
80	1
90	0

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

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	729	78
0-40	847	91
0-60	923	99
0-90	930	100

PXCYL4/xx/LES9030/KDIM010UNV/VN/xx/CC (High Output)



Lumens: 1,100 lm  
CBCP: 3,528 cd  
Power: 12 W  
Efficacy: 92 lm/W  
CRI: 92  
Spacing Criteria: 0.4  
Beam Angle: 28°

Candlepower Distribution	
Angle (°)	Average (cd)
10	2,264
20	1,062
30	293
40	56
50	15
60	4
70	1
80	0
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	53	4
10	34	5
12	23	6
15	15	7
20	8	10

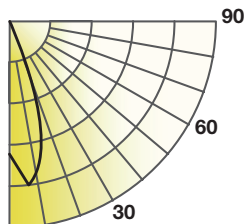
Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	986	90
0-40	1,064	97
0-60	1,097	100
0-90	1,100	100



# PXCYL CYLINDER 4"

## PHOTOMETRY

PXCYL4/xx/LES9030/KDIM010UNV/NR/xx/CC (High Output)



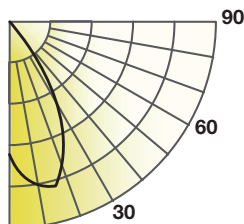
Lumens: 1,163 lm  
CBCP: 2,028 cd  
Power: 12.1 W  
Efficacy: 96 lm/W  
CRI: 92  
Spacing Criteria: 0.7  
Beam Angle: 45°

Candlepower Distribution	
Angle (°)	Average (cd)
10	1,921
20	1,320
30	448
40	69
50	14
60	3
70	1
80	0
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	45	7
10	29	8
12	20	10
15	13	12
20	7	17

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	1,013	87
0-40	1,126	97
0-60	1,160	100
0-90	1,163	100

PXCYL4/xx/LES9030/KDIM010UNV/MD/xx/CC (High Output)



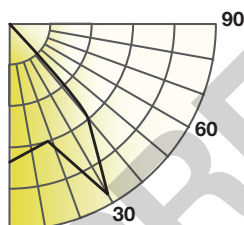
Lumens: 1,176 lm  
CBCP: 1,275 cd  
Power: 12.1 W  
Efficacy: 97 lm/W  
CRI: 92  
Spacing Criteria: 0.98  
Beam Angle: 67°

Candlepower Distribution	
Angle (°)	Average (cd)
10	1,199
20	1,142
30	400
40	178
50	21
60	4
70	1
80	0
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	28	11
9	22	12
10	18	13
12	12	16
15	8	20

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	877	75
0-40	1,115	95
0-60	1,173	100
0-90	1,175	100

PXCYL4/xx/LES9030/KDIM010UNV/WD/xx/CC (High Output)



Lumens: 1,177 lm  
CBCP: 870cd  
Power: 12.2 W  
Efficacy: 97 lm/W  
CRI: 92  
Spacing Criteria: 1.3  
Beam Angle: 88°

Candlepower Distribution	
Angle (°)	Average (cd)
010	557
20	588
30	842
40	531
50	35
60	8
70	3
80	1
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	13	15
10	8	19
12	6	23
15	4	29
20	2	39

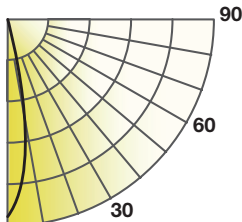
Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	543	46
0-40	974	83
0-60	1,169	99
0-90	1,176	100



# PXCYL CYLINDER 4"

## PHOTOMETRY

PXCYL4/xx/LEM9030/KDIM010UNV/SP/xx/CC (High Output)



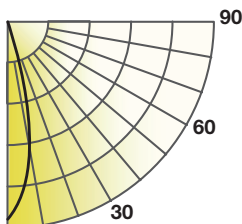
Lumens: 2,131 lm  
CBCP: 9,631 cd  
Power: 31.2 W  
Efficacy: 68 lm/W  
CRI: 92  
Spacing Criteria: 0.3  
Beam Angle: 19°

Candlepower Distribution	
Angle (°)	Average (cd)
10	4,438
20	1,279
30	658
40	291
50	87
60	21
70	8
80	2
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	103	3
10	66	3
12	46	4
15	29	5
20	16	7

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	1,665	78
0-40	1,935	91
0-60	2,110	99
0-90	2,129	100

PXCYL4/xx/LEM9030/KDIM010UNV/VN/xx/CC (High Output)



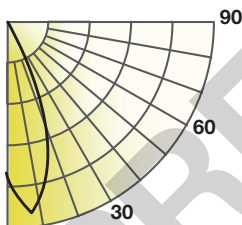
Lumens: 2,531 lm  
CBCP: 8,112 cd  
Power: 31.5 W  
Efficacy: 80 lm/W  
CRI: 92  
Spacing Criteria: 0.5  
Beam Angle: 28°

Candlepower Distribution	
Angle (°)	Average (cd)
10	5,180
20	2,457
30	671
40	132
50	38
60	9
70	3
80	1
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	120	4
10	77	5
12	53	6
15	34	7
20	19	10

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	2,255	89
0-40	2,440	96
0-60	2,521	100
0-90	2,529	100

PXCYL4/xx/LEM9030/KDIM010UNV/NR/xx/CC (High Output)



Lumens: 2,702 lm  
CBCP: 4,689cd  
Power: 31.9 W  
Efficacy: 85 lm/W  
CRI: 92  
Spacing Criteria: 0.7  
Beam Angle: 45°

Candlepower Distribution	
Angle (°)	Average (cd)
10	4,454
20	3,085
30	1,036
40	162
50	34
60	9
70	3
80	1
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	103	7
10	66	8
12	46	10
15	29	12
20	17	17

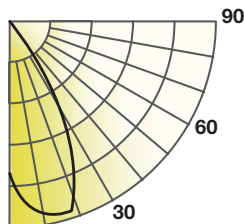
Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	2,347	87
0-40	2,611	97
0-60	2,692	100
0-90	2,700	100



# PXCYL CYLINDER 4"

## PHOTOMETRY

PXCYL4/xx/LEM9030/KDIM010UNV/MD/xx/CC (High Output)



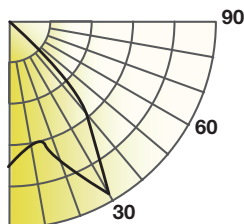
Lumens: 2,686 lm  
CBCP: 2,830 cd  
Power: 31.8 W  
Efficacy: 85 lm/W  
CRI: 92  
Spacing Criteria: 1.0  
Beam Angle: 67°

Candlepower Distribution	
Angle (°)	Average (cd)
10	2,703
20	2,607
30	1,601
40	410
50	47
60	10
70	3
80	1
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	63	11
10	40	13
12	28	16
15	18	20
20	10	27

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	1,999	74
0-40	2,542	95
0-60	2,676	100
0-90	2,684	100

PXCYL4/xx/LEM9030/KDIM010UNV/WD/xx/CC (High Output)



Lumens: 2,683 lm  
CBCP: 1,954 cd  
Power: 31.2 W  
Efficacy: 86 lm/W  
CRI: 92  
Spacing Criteria: 1.3  
Beam Angle: 88°

Candlepower Distribution	
Angle (°)	Average (cd)
10	1,261
20	1,329
30	1,925
40	1,209
50	82
60	20
70	7
80	3
90	0

Initial Footcandles		
Height (ft)	Fc	Diameter (ft)
8	29	15
10	19	19
12	13	23
15	8	29
20	5	39

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30	1,232	46
0-40	2,214	83
0-60	2,662	99
0-90	2,679	100

Note: All rights reserved. All sizes and specifications are subject to change at any time without notice.