

A	B	C
22.5 571.5 mm	7.2 181.8 mm	11.0 279.3 mm

24" PRISMATIC DISC

DISCO SERIES



PR2405LX

APPLICATION

24" LX Series high bay for wide area lighting in retail, gyms, and open office areas.

FEATURES

PR2405LX single-stage optical system features smooth wide distribution. 80 CRI minimum. Consult factory for high CRI or special applications. LED module and driver designed for ease of maintenance and replacement. Emergency battery backup option. See PR1605 and PR3005 for 16" and 30" options.

FINISH

Multi-stage polyester powder-coat process applied by our dedicated paint lines. All exposed materials are chromate pretreated to resist corrosion.

ELECTRONICS

LED module features high brightness white Nichia LEDs. 3-step MacAdam Ellipse binning and CRI 80 minimum. Higher CRI, R9 and custom LED configurations are available; consult factory. Dual voltage 120V/277V drivers standard. LED module is 2 circuit with 2 drivers for multicircuit option as well as safety.

CONSTRUCTION

Housing constructed of spun and formed aluminum to resist corrosion. Die-cast aluminum heat sink. Graphite gasket for optimal thermal management. Refractor made of cast UV stabilized acrylic.

CODE COMPLIANCE

BAA compliant. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Manufactured and tested to UL standards No. 1598/8750.

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
PR2405LX65L	6500	5201	51	103
PR2405LX100L	10000	7911	81	98
PR2405LX130L	13000	10402	101	103
PR2405LX140L	14000	11237	112	100

SERIES	LUMENS ¹		CCT		DRIVER / DIMMING ³		OPTIONS ⁴	MOUNTING ⁵		FINISH ⁹		
PR2405LX	65L	6500 Lm	27K	2700K	EX	Electronic Driver, 120V/277V	FS	Fusing	CP113 ⁶	Driver Compartment with Leads	MW ¹⁰	Matte White
	100L	10000 Lm	30K	3000K	DS10X	10% 0-10V, 120V/277V	WG24	24" Wire Guard	HM ⁷	Hang-Straight	MB ¹⁰	Matte Black
	130L	13000 Lm	35K	3500K	DO10X	1% 0-10V, 120V/277V	SC1	Safety Cable	AT ⁷	Hang Straight All Thread	PT ¹⁰	Platinum Silver
	140L	14000 Lm	40K	4000K	DO103	1% 0-10V, 347V	BLU	Bluetooth LE Control	PM ⁷	Rigid Pendant Mount	CC	Custom Color
									CD3X ⁷	3 Cable Mount with Cord		
									EMERGENCY BATTERY OPTIONS			
									EMCR ⁸	10W Canopy Mounted EM	See Page 5 for Full Range of Color Options (83-90081)	
									EMRM	7W Remote EM		
									EMEN	7W Remote with Enclosure		

EXAMPLE: PR2405LX130L35KEX/CP113PM36/MW

NOTES:

1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens 35K at 80 CRI 3 Contact Factory for Additional Options 4 See Product Options Page for Details 5 See Mounting Page for Details on Components and Finishes 6 CP113 Required 7 Specify Length in Inches: See Mounting Page for Available Lengths 8 EMCR Replaces CP113 9 See Color Page for More Options / Consult Factory for Special Finishes 10 Standard Finishes



PROJECT: _____

TYPE: _____



Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

24" PRISMATIC DISC

DISCO SERIES / FIXTURE OPTIONS



STANDARD FINISHES

MW
MATTE WHITE



MB
MATTE BLACK

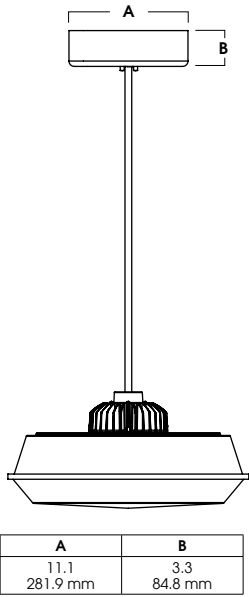


PT
PLATINUM SILVER

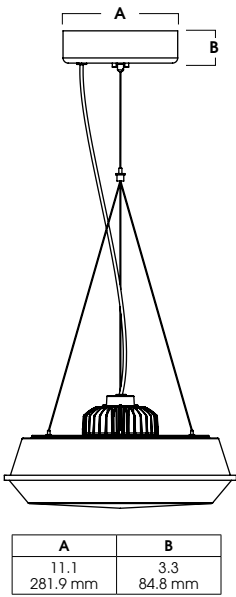


MOUNTING TYPES

HM / AT / PM
HANG STRAIGHT / ALL THREAD / PENDANT

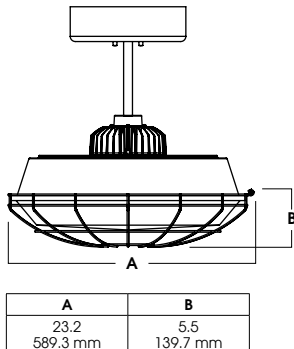


CD3X
3X CORD / CABLE MOUNT



ACCESSORIES

WG 24
WIRE GUARD



MOUNTING & ACCESSORIES

SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.
NOTE: THIS IS TYPICAL OF LUMEN MAX SPECIFICATION FOR PENDANT MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.



MOUNTING TYPES

<p>HM* HANG STRAIGHT 45° SWIVEL 5/8" OD STEM - 3/8" IP</p> <p>ORDER: HM (Length) SPECIFY LENGTH: HM3 - 3" HM24 - 24" HM6 - 6" HM36 - 36" HM12 - 12" HM48 - 48" HM18 - 18" HM72 - 72" HMLC(XX) Custom Length (Specify in Inches)</p>	<p>PM* RIGID PENDANT MOUNT RIGID 5/8" OD STEM - 3/8" IP</p> <p>ORDER: PM (Length) SPECIFY LENGTH: PM3 - 3" PM24 - 24" PM6 - 6" PM36 - 36" PM12 - 12" PM48 - 48" PM18 - 18" PM72 - 72" PMLC(XX) Custom Length (Specify in Inches)</p>	<p>AT** HANG STRAIGHT ALL THREAD 45° SWIVEL 5/8" OD STEM - 1/4" IP</p> <p>ORDER: AT (Length) SPECIFY LENGTH: AT12 - 12" AT24 - 24" AT36 - 36"</p>	<p>CD3X CORD / CABLE MOUNT SJ CORD WITH 1/16 SS CABLE</p> <p>ORDER: CDX3 (Length) SPECIFY LENGTH: CD3X36 - 36" CD3X72 - 72" CD3X144 - 144" CDLC3X(XX) Custom Length (Specify in Inches)</p>
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*MAXIMUM ONE PIECE STEM LENGTH IS 72". **MAXIMUM ONE PIECE STEM LENGTH IS 36". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

CEILING MOUNT CANOPY

CP113 - DRIVER COMPARTMENT WITH LEADS (REQUIRED)

EMERGENCY BATTERY OPTIONS

EMCR - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY

REMOTE EMERGENCY BATTERY OPTIONS

<p>EMRM* - 7W REMOTE EMERGENCY BATTERY (50' MAX)</p> <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>1.3</td> <td>12.6</td> <td>13.0</td> </tr> </tbody> </table>	A	B	C	1.3	12.6	13.0	<p>EMEN* - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (50' MAX)</p> <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>2.0</td> <td>17.0</td> <td>6.2</td> </tr> </tbody> </table>	A	B	C	2.0	17.0	6.2
A	B	C											
1.3	12.6	13.0											
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*OTHER EM BATTERY SIZES AVAILABLE, CONSULT FACTORY

ADDITIONS

<p>FS - FUSING</p> <p>Slow blow type fuse protects fixture against voltage surges. Factory installed.</p>	<p>LSP10 - SM - SURGE PROTECTOR</p> <p>Surge protector absorbs transient electrical spikes and protects fixtures and electronics 120/277v. Re-sets after surge. Factory Installed.</p>
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SAFETY CABLE OPTIONS

SC1 - SAFETY CABLE

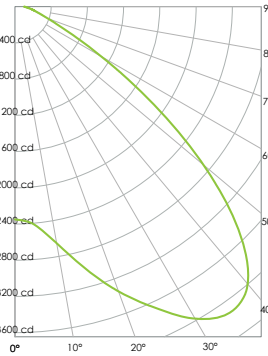
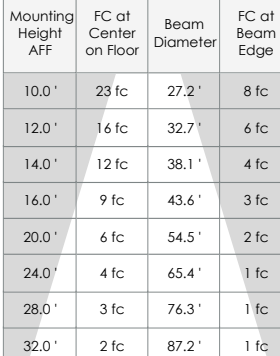
1/16" stainless steel safety cable for added support. Standard kit is 18" and double barrel locks are provided. Approved for California seismic requirements. Rated at 50 lbs.

24" PRISMATIC DISC

DISCO SERIES / PHOTOMETRIC DATA



PR2405LX140L35KEX

CANDLEPOWER CURVE	INTENSITY	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES BASED ON IES BEAM ANGLE				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT														
 <p>Delivered Lumens: 11,264 Luminaire Watts: 111.89 LER: 100.67</p>	0.00°	0° - 10°	287	3%		Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	RCR 2		RCR 4									
	0.00° 2,349	0° - 20°	1,154	10%						Ceiling Height	Fixture Spacing	FC +	W/Sq. Ft.	FC +	W/Sq. Ft.						
	5.00° 2,414	0° - 30°	2,868	25%						22'	24' *	15	0.17	5	0.07						
	10.00° 2,652	0° - 40°	5,410	48%						26'	28' **	9	0.11	13	0.19						
	15.00° 2,992	0° - 60°	9,681	86%						32'	32' ***	10	0.11	8	0.11						
	20.00° 3,346	0° - 80°	10,671	95%						Delivered Illuminance Rating: (DIR)		90 FC per W/Sq. Ft.		71 FC per W/Sq. Ft.							
	30.00° 3,978	0° - 90°	10,842	96%																	
	40.00° 3,999	Total	11,264	100%						2' Suspension Length Square rooms used for multiple units: - RCR 2: Length & Width = Ceiling Ht. - 6.5' x 5.00 - RCR 4: Length & Width = Ceiling Ht. - 6.5' x 2.50 + Average Footcandles at 2.5' Above Floor * Exceeds spacing criteria by -24% ** Exceeds spacing criteria by -30% *** Exceeds spacing criteria by -38%											
	50.00° 2,716																				
	60.00° 1,102																				
	70.00° 392																				
	80.00° 197																				
	90.00° 101																				
CP at 0deg (Nadir): 2,349		Beam Angle: 107.49		Lamp Multiplier: 65L x 0.405, 100L x 0.616, 130L x 0.81																	
CRI: 80		Spacing Ratio: 2.04		CCT Multiplier: 40K x 1.03, 30K x 0.979, 27K x 0.959																	

COLOR OPTIONS - POWDER COAT PAINT FINISHES

NOTE: NO PRINTED IMAGE CAN EQUAL THE EXACT COLOR OF FINISH ON METAL.
SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.



STANDARD CORD / STEM / CANOPY FINISHES

PAINT TIMES

FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Gloss Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	⌚
Tier 2 - Typical Finishes	\$\$	⌚⌚
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

TIER 1 - STANDARD FINISHES



TIER 2 - TYPICAL FINISHES



CUSTOM COLOR FINISHES

CONTACT FACTORY

CC
Custom Color



*UNAVAILABLE FOR WET LOCATION