



16" PRISMATIC DDH SERIES



PRDDH16LX

QUICK SHIP

Quick Ship Surface highlights products that can ship in 5 - 10 working days.

APPLICATION

16" Lumen Max LX series performance pendant for mid-bay and high-bay applications. Prismatic refractor provides horizontal and vertical distribution.

FEATURES

Design Lights Consortium qualified product. Domed Fixture Housing (DDH) features a contemporary design and is easy to maintain. Single-stage optical system for smooth light distribution. LED module and driver designed for ease of maintenance and replacement. Posi-lock refractor retention ring will absorb shocks and impacts. Optional safety cable. Variety of optical lenses, and mounting methods.

FINISH

Multi-stage polyester powder-coat process applied on our dedicated paint lines. Variety of standard and custom finishes are available. All exposed materials are chromate pretreated to resist corrosion.

ELECTRONICS

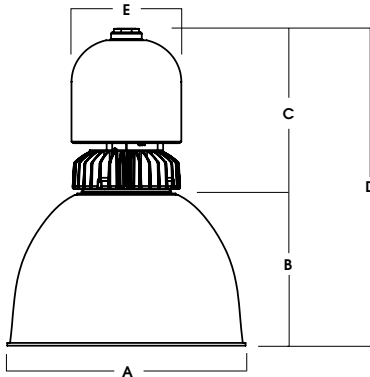
LED system features high brightness white Nichia LEDs. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers. LED module is 2 circuit with 2 drivers for multicircuit option as well as safety.

CONSTRUCTION

Housing constructed of spun and fabricated aluminum to resist corrosion. Graphite gasket for optimal thermal management. Die-cast aluminum heat sink. 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.



A	B	C	D	E
16.2	10.8	11.6	22.4	7.5
411.48 mm	274.3 mm	294.6 mm	569.0 mm	190.5 mm

Fixture Weight: 13.0 lbs

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
PRDDH16LEDLX65L	6500	6173	59.0	105
PRDDH16LEDLX100L	10000	9259	90.1	103
PRDDH16LEDLX130L	13000	12130	100.4	120.8
PRDDH16LEDLX140L	14000	13192	126.0	105

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ³	OPTIONS ⁴	MOUNTING ⁵	REFRACTOR	DIFFUSER OPTIONS	GUARD OPTION	FINISH ⁷
PRDDH16LX	65L 6500 Lm	27K 2700K	EX Electronic Driver, 120V/277V DS10X 10%, 0-10V, 120V/277V DO10X 1%, 0-10V, 120V/277V DO103 1%, 0-10V, 347V	SAFETY OPTIONS FS Fusing 2CIR 2 Circuit SC1 Safety Cable SC2 Safety Cable Reflector to door	HM ⁶ Hang Straight AT ⁶ Hang Straight All Thread PM ⁶ Rigid Pendant CD ⁶ Cord / Cable Mount CD72 72" Cord / Cable Mount HC ⁶ Hook & Cord NM2 ⁷ 1/2" NPT Hub NM3 ⁷ 3/4" NPT Hub	DF16 16" Diffuse PR16 16" Clear OP16 16" Opal	TF3 - 6" Frosted Diffuser (CANNOT BE USED WITH DR OR BC OPTIONS)	WAG16 16" Wire Guard (CANNOT BE USED WITH DR OR BC OPTIONS)	MW ¹⁰ Matte White MB ¹⁰ Matte Black PT ¹⁰ Platinum Silver CC Custom Color See Page 5 for Full Range of Color Options (83-90081)
	100L 10000 Lm	30K 3000K							
	130L 13000 Lm	35K 3500K							
	140L 14000 Lm	40K 4000K							
					EMERGENCY BATTERY OPTIONS				
					EMCR 10W Canopy Mounted EM				
					EMRM 7W Remote EM				
					EMEN 7W Remote with Enclosure				

QUICK SHIP

EXAMPLE: PRDDH16LX100L35KEX/CD36/PR16/DR16DFO/MW

NOTES:

1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens at 35K with PR16, No Lens 3 Contact Factory for Additional Options 4 See Product Options Page for Details 5 See Mounting Page for Details on Components and Finishes 6 Specify Length in Inches: See Mounting Page for Available Lengths 7 Mounting Supplied by Others 8 Same Finish as Housing 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.

16" PRISMATIC

DDH SERIES / FIXTURE OPTIONS



STANDARD FINISHES

MW
MATTE WHITE



MB
MATTE BLACK

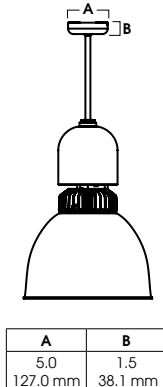


PT
PLATINUM SILVER

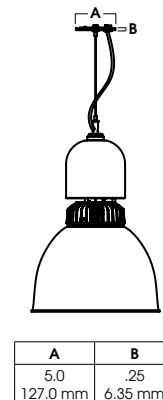


MOUNTING TYPES

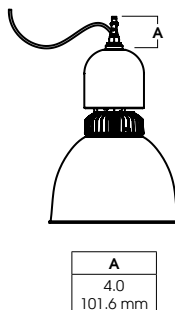
HM / AT / PM
HANG STRAIGHT / ALL THREAD / PENDANT



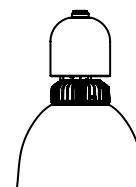
CD
CORD / CABLE MOUNT



HC
HOOK CORD



NM
NO MOUNT



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 RLM SPECIFICATION FOR MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.



ADDITIONS


FS - FUSING

Slow blow type fuse protects fixture against voltage surges. Factory installed.



LSP10 - SM - SURGE PROTECTOR


Surge protector absorbs transient electrical spikes and protects fixtures and electronics 120/277v. Re-sets after surge. Factory Installed.



SAFETY CABLE OPTIONS

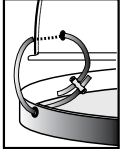
SC1 - SAFETY CABLE

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.



SC2 - SAFETY CABLE


1/16" Stainless steel cable holds door to fixture



OPTIONS

DIFFUSER

TF3-6" Frosted Diffuser




DOOR

DR16D-16" Spun Door
BC16-16" Band Clamp

LENSES


CNFR-Conical Frosted Lens
CN-Conical Lens
DL-Drop Lens
FO-White Optical Acrylic
PP-Prismatic Polycarbonate
PC-Clear Polycarbonate



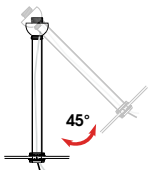
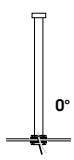
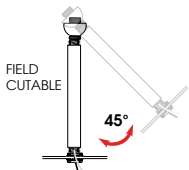
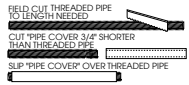

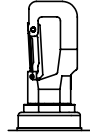

DR16D SHOWN WITH CN

GUARD OPTION

WAG16-16" Wire Guard



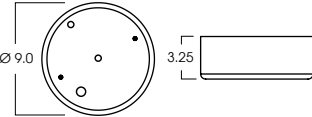
MOUNTING TYPES

<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 style="font-size: x-small;">FIELD CUT THREADED PIPE TO LENGTH NEEDED CUT PIPE COVER 3/4" SHORTER THAN THREADED PIPE SLIP PIPE COVER OVER THREADED PIPE</p>	<p>CD CORD / CABLE MOUNT SJ CORD WITH 1/16 SS CABLE</p>  <p>ORDER: CD (Length) SPECIFY LENGTH: CD36 - 36" CD72 - 72" CD144 - 144" CDLC(XX) Custom Length (Specify in Inches)</p>	<p>HC HOOK & CORD FOR INDEPENDENT MOUNTING</p>  <p>ORDER: HC (Length) SPECIFY LENGTH: HC36 - 36" HC72 - 72" HC144 - 144" HCLC(XX) Custom Length (Specify in Inches)</p>	<p>NMX 1/2" NPT Hub 3/4" NPT Hub FOR INDEPENDENT MOUNTING</p>  <p>ORDER: NMX (Length) SPECIFY LENGTH: NM2(12) - 12" Leads are Standard NM3(12) - 12" Leads are Standard NMXL(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.

EMERGENCY BATTERY OPTIONS

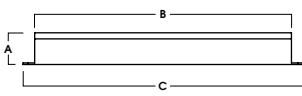
EMCR - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY



A	B	C
1.3	12.6	13.0

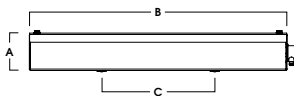
REMOTE EMERGENCY BATTERY OPTIONS

EMRM* - 7W REMOTE EMERGENCY BATTERY (60' MAX)



A	B	C
1.3	12.6	13.0

EMEN* - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (60' MAX)



A	B	C
2.0	17.0	6.2

*OTHER EM BATTERY SIZES AVAILABLE. CONSULT FACTORY

16" PRISMATIC

DDH SERIES / PHOTOMETRIC DATA



PRxxx16LEDLX-140L-35K-E1-PR16

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							
		0.00°	0° - 10°	1,454	11%	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
	0.00°	14,505	0° - 10°	5,025	38%	10.0'	145 fc	10.9'	72 fc	22'	16'	54	0.52	68	0.76
	5.00°	14,635	0° - 20°	9,023	68%	12.0'	101 fc	13.1'	50 fc	26'	18''	34	0.33	43	0.48
	10.00°	14,337	0° - 30°	11,361	86%	14.0'	74 fc	15.3'	37 fc	32'	20''	29	0.28	25	0.28
	15.00°	13,122	0° - 40°	12,547	95%	16.0'	57 fc	17.5'	28 fc	Delivered Illuminance Rating: [DIR]		103 FC per W/Sq. Ft.		90 FC per W/Sq. Ft.	
	20.00°	10,975	0° - 60°	12,916	98%	20.0'	36 fc	21.9'	18 fc	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 19% ** Exceeds spacing criteria by 6% *** Exceeds spacing criteria by -10%					
	30.00°	6,569	0° - 80°	12,968	98%	24.0'	25 fc	26.2'	12 fc						
	40.00°	1,565	0° - 90°	13,221	100%	28.0'	19 fc	30.6'	9 fc						
	50.00°	591	Total	13,221	100%	32.0'	14 fc	35.0'	7 fc						
	60.00°	345													
	70.00°	175													
	80.00°	63													
	90.00°	43													
Delivered Lumens: 13,221 Luminaire Watts: 126 LER: 104.93		CP at 0deg (Nadir): 14,505 CRI:	Beam Angle: 57.08 Spacing Ratio: 0.87		Lamp Multiplier: 65L x 0.67, 100L x 1, 130L x 1.32, 140L 1.42 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

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

PAINT TIMES

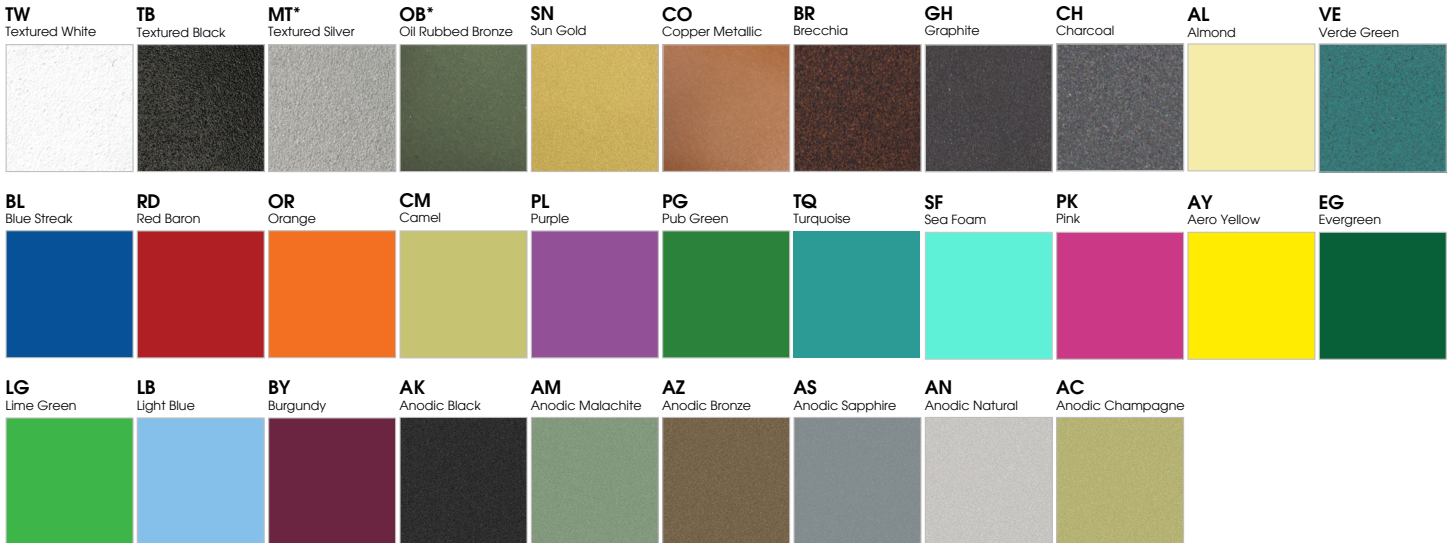
TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	⌚
Tier 2 - Typical Finishes	\$\$	⌚⌚
Custom Color	Contact Factory	Contact Factory

*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