



22" Low/Mid/High Bay 13650 Lm

Quick Ship



PRDDH22LX & ALDDH22LX

APPLICATION

22" Lumen Max LX series performance pendant for low and mid-bay applications. Prismatic refractor provides horizontal and vertical distribution. Aluminum reflector designed for maximum downlight.

FEATURES

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. 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. Standard Matte White interior finish on reflectors.

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

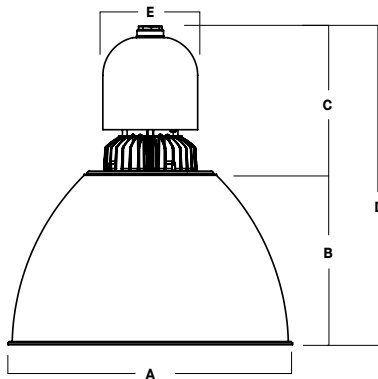
Housing constructed of extruded and machined aluminum to resist corrosion. Die-cast aluminum heat sink. Refractor made of cast UV stabilized acrylic. Reflector made of spun .060" aluminum.

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.

QUICK SHIP

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



Dimensioned with **PRISMATIC**

SHADES	A	B	C	D	E
PRISMATIC	22.4 569.9 mm	13.6 345.4 mm	11.5 292.1 mm	25.1 637.5 mm	7.5 190.5 mm
ALUMINUM	22.4 569.0 mm	9.0 228.6 mm	11.5 292.1 mm	20.5 520.7 mm	7.5 190.5 mm

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS ¹	SYSTEM WATTS	LPW
PRDDH22LX65L	7105	52	137
PRDDH22LX100L	10079	80	126
PRDDH22LX130L	12906	98	132
PRDDH22LX140L	13659	107	128

¹ Nominal Delivered Lumens at 35K with DF22, No Lens

DLC LISTINGS	
FIXTURE CATALOG	DLC CLASSIFICATION
ALDDH22LX130L35KDS10X[MOUNTING]/AL22/MW1	PREMIUM
ALDDH22LX130L40KDS10X[MOUNTING]/AL22/MW1	PREMIUM
ALDDH22LX140L35KDS10X[MOUNTING]/AL22/MW1	PREMIUM
ALDDH22LX140L40KDS10X[MOUNTING]/AL22/MW1	PREMIUM
PRDDH22LX130L35KDS10X[MOUNTING]/DF22	PREMIUM
PRDDH22LX130L40KDS10X[MOUNTING]/DF22	PREMIUM
PRDDH22LX140L35KDS10X[MOUNTING]/DF22	PREMIUM
PRDDH22LX140L40KDS10X[MOUNTING]/DF22	PREMIUM

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ²	SAFETY OPTIONS ³	MOUNTING ⁴	SHADE	ENCLOSURE OPTIONS	OPTIONS	FINISH ¹³	MOUNTING OPTION ¹⁵
PRISMATIC PRDDH22LX	65L 7100 Lm 100L 10100 Lm 130L 12900 Lm 140L 13650 Lm 170L 16300 Lm 200L 18950 Lm	27K 2700K 30K 3000K 35K 3500K 40K 4000K	EX Electronic Driver, 120V/277V DS10X 10%, 0-10V, 120V/277V DO10X 1%, 0-10V, 120V/277V DO103 1%, 0-10V, 347V	FS Fusing 2CIR 2 Circuit SC1 Safety Cable	HM ⁵ Hang Straight PM ⁶ Rigid Pendant CD ⁶ Cord / Cable Mount CD72 72" Cord / Cable Mount HC ^{6/7/8} Hook & Cord NM2 ^{6/7/8} 1/2" NPT Hub NM3 ^{6/7/8} 3/4" NPT Hub EM. BATTERY OPTIONS EMCR 10W Canopy Mounted EM EMRM 7W Remote EM EMEN 7W Remote with Enclosure	PRISMATIC PR22 22" Clear DF22 22" Diffuse	TF3 - 6" Frosted Diffuser (CANNOT BE USED WITH DR OPTION) ACCESSORIES DR22A ¹⁰ 22" Spun Door BC22 22" Band Clamp RS22 ¹¹ 22" Refractor Shroud ALUMINUM AL22/MW1 ¹² Matte White Inside AL22/FC1 ¹² Fixture Color Inside DR22AWAG ^{10/12} 22" Door with Wire Guard WAG22 ¹² 22" Wire Guard LENS CNFR Conical Frosted Lens CN Conical Lens DL Drop Lens FO White Optical Acrylic PP Prismatic Polycarbonate PC Clear Polycarbonate FO White Optical Acrylic PP Prismatic Polycarbonate PC Clear Polycarbonate None	SC2 Safety Cable Reflector to door	MW ¹⁴ Matte White MB ¹⁴ Matte Black PT ¹⁴ Platinum Silver CC Custom Color	FCHMA Field Mounting Kit for Hang Mount Fixtures
ALUMINUM ALDDH22LX										

QUICK SHIP

EXAMPLE: PRDDH22LX130L35KEX/HM36/PR22/DR22ACNFR/MW

NOTES:

1 Nominal Delivered Lumens at 35K with DF22, No Lens 2 Contact Factory for Additional Options 3 See Product Options Page For Details 4 See Mounting Page for Details on Components and Finishes 5 Specify Length in Inches: See Mounting Page for Available Lengths 6 Mounting Supplied by Others 7 Not Available with EMCR 8 12" Leads Unless Specified 9 Reflector Finished Matte White with Finish Color Out 10 Same Finish as Housing 11 Same Finish as Housing / For Use with Prismatic Shades Only 12 No Color 13 Reference Color Sheet Located on Product Webpage for Full List of Available Colors 14 Standard Finishes 15 Field Cutable Mounting Kit only Available with HM Stem



PROJECT:

QUANTITY:

TYPE:



22" PRISMATIC & ALUMINUM
DDH SERIES



SERIES TYPE

ALUMINUM

BOTTOM VIEW



ALDDH22LX MATTE WHITE WITH TF3

PRISMATIC

BOTTOM VIEW



PRDDH22LX MATTE WHITE WITH TF3

STANDARD FINISHES

MW

MATTE WHITE



PRDDH22LX HM MATTE WHITE

MB

MATTE BLACK



PRDDH22LX HM MATTE BLACK

PT

PLATINUM SILVER



PRDDH22LX HM PLATINUM SILVER

MOUNTING TYPES

HM / PM

HANG STRAIGHT / PENDANT



PRDDH22LX SHOWN WITH PM

CD

CORD / CABLE MOUNT



PRDDH22LX SHOWN WITH CD

HC

HOOK CORD



PRDDH22LX SHOWN WITH HC

NM

NO MOUNT



PRDDH22LX SHOWN WITH NM



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.



SAFETY CABLE OPTIONS

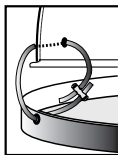
SC1 - Safety Cable

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, Refractor to Door

1/16" Stainless steel cable holds door to fixture



OPTIONS

DIFFUSER

TF3-6" Frosted Diffuser



DOOR

DR22A-22" Spun Door
BC22-22" Band Clamp
RS22-22" Refractor Shroud

LENSES

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



DR22A SHOWN WITH CN

DOOR & GUARD

DR22AWAG-22" Door with Wire Guard

LENSES

FO-White Optical Acrylic
PP-Prismatic Polycarbonate
PC-Clear Polycarbonate



DR22AWAG SHOWN WITH FO

GUARD OPTION

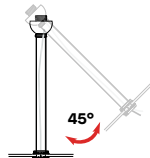
WAG22-22" Wire Guard



MOUNTING TYPES

HM* - Hang Straight

45° SWIVEL 5/8" OD STEM - 3/8" IP

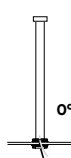


ORDER: **HM** (Length)
SPECIFY LENGTH:
HM3 - 3" **HM24** - 24"
HM6 - 6" **HM36** - 36"
HM12 - 12" **HM48** - 48"
HM18 - 18" **HM72** - 72"
HMLC(XX)
Custom Length
(Specify in Inches)

TO TRIM HM STEM IN FIELD ORDER FCHMA KIT.

PM* - Rigid Pendant Mount

RIGID 5/8" OD STEM - 3/8" IP



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)

CD - Cord / Cable Mount

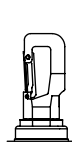
SJ CORD WITH 1/16 SS CABLE



ORDER: **CD** (Length)
SPECIFY LENGTH:
CD36 - 36"
CD72 - 72"
CD144 - 144"
CDLC(XX)
Custom Length
(Specify in Inches)

HC - Hook & Cord

FOR INDEPENDENT MOUNTING



ORDER: **HC** (Length)
SPECIFY LENGTH:
HC36 - 36"
HC72 - 72"
HC144 - 144"
HCLC(XX)
Custom Length
(Specify in Inches)

NM2 - 1/2" NPT Hub

NM3 - 3/4" NPT Hub

FOR INDEPENDENT MOUNTING



ORDER: **NMX** (Length)
SPECIFY LENGTH:
NM2(12) - 12" Leads are Standard
NM3(12) - 12" Leads are Standard
NMXLC(XX)
Custom Length
(Specify in Inches)

*MAXIMUM ONE PIECE STEM LENGTH IS 72".

LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

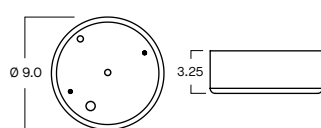
MOUNTING OPTION

FCHMA - Field Cuttable Mounting Kit For Hang Mount Fixtures



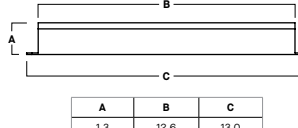
EMERGENCY BATTERY OPTIONS

EMCR - Large Driver Canopy For 10W Emergency Battery



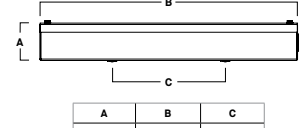
REMOTE EMERGENCY BATTERY OPTIONS

EMRM* - 7W Remote Emergency Battery (50' Max)



A	B	C
1.3	12.6	13.0

EMEN* - 7W Remote Emergency Battery with Enclosure (50' Max)



A	B	C
2.0	17.0	6.2

*OTHER EM BATTERY SIZES AVAILABLE, CONSULT FACTORY

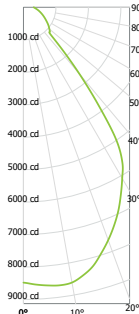


22" PRISMATIC

DDH SERIES / PHOTOMETRIC DATA



PRAF22LEDLX 140L 35K xx DF22 xx

CANDLEPOWER CURVE TEST SP-01544_3	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																																																														
	0°	0° - 10° 833 6%	<table><tr><th>Mounting Distance</th><th>FC at Beam Center</th><th>Diameter at Beam Angle</th><th>FC at Beam Edge</th></tr><tr><td>8'</td><td>133 fc</td><td>11.7'</td><td>35 fc</td></tr><tr><td>10'</td><td>85 fc</td><td>14.6'</td><td>22 fc</td></tr><tr><td>12'</td><td>59 fc</td><td>17.5'</td><td>15 fc</td></tr><tr><td>14'</td><td>43 fc</td><td>20.5'</td><td>11 fc</td></tr><tr><td>16'</td><td>33 fc</td><td>23.4'</td><td>9 fc</td></tr><tr><td>20'</td><td>21 fc</td><td>29.2'</td><td>6 fc</td></tr><tr><td>24'</td><td>15 fc</td><td>35.1'</td><td>4 fc</td></tr><tr><td>28'</td><td>11 fc</td><td>40.9'</td><td>3 fc</td></tr></table>	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	8'	133 fc	11.7'	35 fc	10'	85 fc	14.6'	22 fc	12'	59 fc	17.5'	15 fc	14'	43 fc	20.5'	11 fc	16'	33 fc	23.4'	9 fc	20'	21 fc	29.2'	6 fc	24'	15 fc	35.1'	4 fc	28'	11 fc	40.9'	3 fc	<table><tr><th>Ceiling Height</th><th>Fixture Spacing</th><th colspan="2">RCR 2</th><th colspan="2">RCR 4</th></tr><tr><td></td><td></td><th>FC *</th><th>W/Sq. Ft.</th><th>FC *</th><th>W/Sq. Ft.</th></tr><tr><td>18'</td><td>12'</td><td>94</td><td>0.81</td><td>50</td><td>0.52</td></tr><tr><td>22'</td><td>14'</td><td>52</td><td>0.45</td><td>62</td><td>0.64</td></tr><tr><td>26'</td><td>16'</td><td>47</td><td>0.41</td><td>39</td><td>0.41</td></tr><tr><td colspan="2">Delivered Illuminance Rating: (DIR)</td><td colspan="2">116 FC per W/Sq. Ft.</td><td colspan="2">96 FC per W/Sq. Ft.</td></tr><tr><td colspan="6">4' Suspension Length to luminous aperture 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 Initial Footcandles at 2.5' Above Floor</td></tr></table>	Ceiling Height	Fixture Spacing	RCR 2		RCR 4				FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	18'	12'	94	0.81	50	0.52	22'	14'	52	0.45	62	0.64	26'	16'	47	0.41	39	0.41	Delivered Illuminance Rating: (DIR)		116 FC per W/Sq. Ft.		96 FC per W/Sq. Ft.		4' Suspension Length to luminous aperture 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 Initial Footcandles at 2.5' Above Floor					
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0° 8482	0° - 20° 3122 23%	0° - 10° 833 6%																																																																																
5° 8601	0° - 30° 6248 46%	0° - 20° 3122 23%																																																																																
15° 8260	0° - 40° 9096 67%	0° - 30° 6248 46%																																																																																
25° 6914	0° - 60° 10983 81%	0° - 40° 9096 67%																																																																																
35° 4980	0° - 80° 12221 90%	0° - 60° 10983 81%																																																																																
45° 1171	0° - 90° 12628 93%	0° - 80° 12221 90%																																																																																
55° 927	Total 13592 100%	0° - 90° 12628 93%																																																																																
90° 316		Total 13592 100%																																																																																

Delivered Lumens: 13592
Luminaire Watts: 107
LER: 127.03

CP at 0° (Nadir): 8482
CRI: 80+

Beam Angle: 72°
Spacing Ratio: 1.09
Melanopic Ratio 0.55

Lumen Multiplier: 130L x .930
CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949

PRAF22LEDLX 140L 35K xx DF22 TF3 xx

CANDLEPOWER CURVE TEST SP-01543_3	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																		
	0°	0° - 10° 730 6%	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2	RCR 4												
	0° 7516	0° - 20° 2715 23%	8'	117 fc	11.5'	31 fc	18'	12'	82	0.81	44	0.52										
	5° 7591	0° - 30° 5384 45%	10'	75 fc	14.4'	20 fc	22'	14'	45	0.45	54	0.64										
	15° 7130	0° - 40° 7792 65%	12'	52 fc	17.3'	14 fc	26'	16'	41	0.41	34	0.41										
	25° 5839	0° - 60° 9488 79%	14'	38 fc	20.2'	10 fc	Delivered Illuminance Rating: (DIR)		101 FC per W/Sq. Ft.		84 FC per W/Sq. Ft.											
	35° 4110	0° - 80° 10643 89%	16'	29 fc	23.1'	8 fc																
	45° 1061	0° - 90° 11052 92%	20'	19 fc	28.9'	5 fc	4' Suspension Length to luminous aperture 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 Initial Footcandles at 2.5' Above Floor															
	55° 814	Total 11997 100%	24'	13 fc	34.6'	3 fc																
	90° 321		28'	10 fc	40.4'	3 fc																
Delivered Lumens: 11997 Luminaire Watts: 107 LER: 112.12																						
CP at 0° (Nadir): 7516 Beam Angle: 72° Spacing Ratio: 1.05 Melanopic Ratio 0.52																						
Lumen Multiplier: 130L x .939 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949																						

PRAF22LEDLX 140L 35K xx PR22 xx

CANDLEPOWER CURVE TEST SP-01499_3	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																		
	0°	0° - 10° 1134 8%	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4											
	0° 10812	0° - 20° 4616 34%	8'	169 fc	9.5'	54 fc	18'	12'	101	0.81	56	0.52										
	5° 11386	0° - 30° 8927 65%	10'	108 fc	11.9'	34 fc	22'	14'	56	0.45	69	0.64										
	15° 12769	0° - 40° 11598 85%	12'	75 fc	14.3'	24 fc	26'	16'	51	0.41	44	0.41										
	25° 9738	0° - 60° 12794 94%	14'	55 fc	16.7'	17 fc	Delivered Illuminance Rating: (DIR)		125 FC per W/Sq. Ft.		108 FC per W/Sq. Ft.											
	35° 4295	0° - 80° 13140 96%	16'	42 fc	19.1'	13 fc																
	45° 824	0° - 90° 13229 97%	20'	27 fc	23.9'	9 fc	4' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Ceiling Ht. - 6.5' x 5.00 RCR 4: Ceiling Ht. - 6.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor															
	55° 463	Total 13659 100%	24'	19 fc	28.6'	6 fc																
	90° 78		28'	14 fc	33.4'	4 fc																
Delivered Lumens: 13659 Luminaire Watts: 107 LER: 127.65																						
CP at 0° (Nadir): 10812 Beam Angle: 62° Spacing Ratio: 1.06 Melanopic Ratio 0.55																						
Lumen Multiplier: 130L x .945 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949																						



22" PRISMATIC

DDH SERIES / PHOTOMETRIC DATA



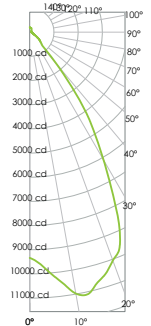
PRAF22LEDLX 140L 35K xx PR22 TF3 xx

CANDLEPOWER CURVE TEST SP-01520_3	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT								
	0°	0° - 10° 1047 9%	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
	0°	0° - 20° 4069 33%	8 ' 164 fc	9.5 ' 52 fc	18' 12"	89	0.81	49	0.52			
	5°	0° - 30° 7772 64%	10 ' 105 fc	11.9 ' 33 fc	22' 14'	49	0.45	61	0.64			
	15°	0° - 40° 10079 83%	12 ' 73 fc	14.2 ' 23 fc	26' 16'	45	0.41	39	0.41			
	25°	0° - 60° 11182 92%	14 ' 54 fc	16.6 ' 17 fc	Delivered Illuminance Rating: (DIR)		110 FC per W/Sq. Ft.		95 FC per W/Sq. Ft.			
	35°	0° - 80° 11587 95%	16 ' 41 fc	19.0 ' 13 fc								
	45°	0° - 90° 11724 96%	20 ' 26 fc	23.7 ' 8 fc	4' Suspension Length to luminous aperture 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 Initial Footcandles at 2.5' Above Floor * Exceeds Spacing Ratio by 3%							
	55°	0° - 90° 11724 96%	24 ' 18 fc	28.5 ' 6 fc								
	90°	Total 12162 100%	28 ' 13 fc	33.2 ' 4 fc								
	Delivered Lumens: 12162 Luminaire Watts: 107 LER: 113.66	CP at 0° (Nadir): 10513 CRI: 80+	Beam Angle: 61° Spacing Ratio: 1.01 Melanopic Ratio: 0.52	Lumen Multiplier: 130L x .945 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949								

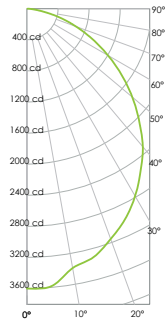
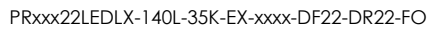
PRxxx22LX-140L-35K-EX-DF22

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																																																																																																																																																																																
	<table><tr><th>0.00°</th><td>0° - 10°</td><td>776</td><td>5%</td></tr><tr><td>0.00°</td><td>0° - 20°</td><td>2,974</td><td>21%</td></tr><tr><td>20.00°</td><td>0° - 30°</td><td>6,050</td><td>43%</td></tr><tr><td>40.00°</td><td>0° - 40°</td><td>9,018</td><td>63%</td></tr><tr><td>60.00°</td><td>0° - 60°</td><td>10,965</td><td>77%</td></tr><tr><td>80.00°</td><td>0° - 80°</td><td>12,315</td><td>87%</td></tr><tr><td>100.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr><tr><td>120.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr><tr><td>140.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr><tr><td>160.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr><tr><td>180.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr></table>	0.00°	0° - 10°	776	5%	0.00°	0° - 20°	2,974	21%	20.00°	0° - 30°	6,050	43%	40.00°	0° - 40°	9,018	63%	60.00°	0° - 60°	10,965	77%	80.00°	0° - 80°	12,315	87%	100.00°	0° - 90°	12,767	90%	120.00°	0° - 90°	12,767	90%	140.00°	0° - 90°	12,767	90%	160.00°	0° - 90°	12,767	90%	180.00°	0° - 90°	12,767	90%	<table><tr><th>0.00°</th><td>0° - 10°</td><td>776</td><td>5%</td></tr><tr><td>0.00°</td><td>0° - 20°</td><td>2,974</td><td>21%</td></tr><tr><td>20.00°</td><td>0° - 30°</td><td>6,050</td><td>43%</td></tr><tr><td>40.00°</td><td>0° - 40°</td><td>9,018</td><td>63%</td></tr><tr><td>60.00°</td><td>0° - 60°</td><td>10,965</td><td>77%</td></tr><tr><td>80.00°</td><td>0° - 80°</td><td>12,315</td><td>87%</td></tr><tr><td>100.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr><tr><td>120.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr><tr><td>140.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr><tr><td>160.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr><tr><td>180.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr></table>	0.00°	0° - 10°	776	5%	0.00°	0° - 20°	2,974	21%	20.00°	0° - 30°	6,050	43%	40.00°	0° - 40°	9,018	63%	60.00°	0° - 60°	10,965	77%	80.00°	0° - 80°	12,315	87%	100.00°	0° - 90°	12,767	90%	120.00°	0° - 90°	12,767	90%	140.00°	0° - 90°	12,767	90%	160.00°	0° - 90°	12,767	90%	180.00°	0° - 90°	12,767	90%	<table><tr><th>0.00°</th><td>0° - 10°</td><td>776</td><td>5%</td></tr><tr><td>0.00°</td><td>0° - 20°</td><td>2,974</td><td>21%</td></tr><tr><td>20.00°</td><td>0° - 30°</td><td>6,050</td><td>43%</td></tr><tr><td>40.00°</td><td>0° - 40°</td><td>9,018</td><td>63%</td></tr><tr><td>60.00°</td><td>0° - 60°</td><td>10,965</td><td>77%</td></tr><tr><td>80.00°</td><td>0° - 80°</td><td>12,315</td><td>87%</td></tr><tr><td>100.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr><tr><td>120.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr><tr><td>140.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr><tr><td>160.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr><tr><td>180.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr></table>	0.00°	0° - 10°	776	5%	0.00°	0° - 20°	2,974	21%	20.00°	0° - 30°	6,050	43%	40.00°	0° - 40°	9,018	63%	60.00°	0° - 60°	10,965	77%	80.00°	0° - 80°	12,315	87%	100.00°	0° - 90°	12,767	90%	120.00°	0° - 90°	12,767	90%	140.00°	0° - 90°	12,767	90%	160.00°	0° - 90°	12,767	90%	180.00°	0° - 90°	12,767	90%	<table><tr><th>0.00°</th><td>0° - 10°</td><td>776</td><td>5%</td></tr><tr><td>0.00°</td><td>0° - 20°</td><td>2,974</td><td>21%</td></tr><tr><td>20.00°</td><td>0° - 30°</td><td>6,050</td><td>43%</td></tr><tr><td>40.00°</td><td>0° - 40°</td><td>9,018</td><td>63%</td></tr><tr><td>60.00°</td><td>0° - 60°</td><td>10,965</td><td>77%</td></tr><tr><td>80.00°</td><td>0° - 80°</td><td>12,315</td><td>87%</td></tr><tr><td>100.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr><tr><td>120.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr><tr><td>140.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr><tr><td>160.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr><tr><td>180.00°</td><td>0° - 90°</td><td>12,767</td><td>90%</td></tr></table>	0.00°	0° - 10°	776	5%	0.00°	0° - 20°	2,974	21%	20.00°	0° - 30°	6,050	43%	40.00°	0° - 40°	9,018	63%	60.00°	0° - 60°	10,965	77%	80.00°	0° - 80°	12,315	87%	100.00°	0° - 90°	12,767	90%	120.00°	0° - 90°	12,767	90%	140.00°	0° - 90°	12,767	90%	160.00°	0° - 90°	12,767	90%	180.00°	0° - 90°	12,767	90%
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Delivered Lumens: 14,229 Luminaire Watts: 126 LER: 112.93	CP at 0deg (Nadir): 7,914 CRI: 85+	Lamp Multiplier: 65L x 0.47, 100L x 0.71, 130L x 0.93 CCT Multiplier: 40K x 1.03, 30K x 0.979, 27K x 0.959																																																																																																																																																																																		

PRxxx22LEDLX-140L-35K-E1-XXXX-PR22

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																																																																																																																																																												
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Delivered Illuminance Rating: (DIR)		93 FC per W/Sq. Ft.		81 FC per W/Sq. Ft.																																																																																																																																																												
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Delivered Lumens: 12,193 Luminaire Watts: 126 LER: 96.77	CP at 0deg (Nadir): 9,341 CRI: 85			Lamp Multiplier: 65L x 0.67, 100L x 1, 130L x 1.32, 140L x 1.42 CCT Multiplier: 40K x 1.03, 30K x 0.98, 27K x 0.96																																																																																																																																																												

DDH SERIES / PHOTOMETRIC DATA



Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.
22'	20' *	22	0.30	18	0.30
22'	22' **	14	0.19	11	0.19
26'	24' ***	13	0.17	15	0.25
Delivered Illuminance Rating: (DIR)		75 FC per W/Sq. Ft.		59 FC per W/Sq. Ft.	

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 12%
 * Exceeds spacing criteria by -2%
 *** Exceeds spacing criteria by -18%

Lamp Multiplier: 65L x 0.67, 100L x 1, 130L x 1.2
CCT Multiplier: 40K x 1.03, 30K x 0.979, 27K x 0.959

22" ALUMINUM

DDH SERIES / PHOTOMETRIC DATA



ALDDH22LEDLX 140L 35K xx AL22 MWI xx

CANDLEPOWER CURVE TEST SP-01485_3	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																																																														
	0°	0° - 10° 629 4%	<table><thead><tr><th>Mounting Distance</th><th>FC at Beam Center</th><th>Diameter at Beam Angle</th><th>FC at Beam Edge</th></tr></thead><tbody><tr><td>8'</td><td>102 fc</td><td>18.2'</td><td>15 fc</td></tr><tr><td>10'</td><td>66 fc</td><td>22.7'</td><td>9 fc</td></tr><tr><td>12'</td><td>46 fc</td><td>27.2'</td><td>7 fc</td></tr><tr><td>14'</td><td>33 fc</td><td>31.8'</td><td>5 fc</td></tr><tr><td>16'</td><td>26 fc</td><td>36.3'</td><td>4 fc</td></tr><tr><td>20'</td><td>16 fc</td><td>45.4'</td><td>2 fc</td></tr><tr><td>24'</td><td>11 fc</td><td>54.5'</td><td>2 fc</td></tr><tr><td>28'</td><td>8 fc</td><td>63.6'</td><td>1 fc</td></tr></tbody></table>	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	8'	102 fc	18.2'	15 fc	10'	66 fc	22.7'	9 fc	12'	46 fc	27.2'	7 fc	14'	33 fc	31.8'	5 fc	16'	26 fc	36.3'	4 fc	20'	16 fc	45.4'	2 fc	24'	11 fc	54.5'	2 fc	28'	8 fc	63.6'	1 fc	<table><thead><tr><th>Ceiling Height</th><th>Fixture Spacing</th><th colspan="2">RCR 2</th><th colspan="2">RCR 4</th></tr><tr><th></th><th></th><th>FC *</th><th>W/Sq. Ft.</th><th>FC *</th><th>W/Sq. Ft.</th></tr></thead><tbody><tr><td>18'</td><td>12'</td><td>99</td><td>0.81</td><td>52</td><td>0.52</td></tr><tr><td>22'</td><td>14'</td><td>54</td><td>0.45</td><td>64</td><td>0.64</td></tr><tr><td>26'</td><td>16'</td><td>50</td><td>0.41</td><td>40</td><td>0.41</td></tr><tr><td colspan="2">Delivered Illuminance Rating: (DIR)</td><td colspan="2">122 FC per W/Sq. Ft.</td><td colspan="2">99 FC per W/Sq. Ft.</td></tr><tr><td colspan="6">4' Suspension Length to luminous aperture 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 Initial Footcandles at 2.5' Above Floor</td></tr></tbody></table>	Ceiling Height	Fixture Spacing	RCR 2		RCR 4				FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	18'	12'	99	0.81	52	0.52	22'	14'	54	0.45	64	0.64	26'	16'	50	0.41	40	0.41	Delivered Illuminance Rating: (DIR)		122 FC per W/Sq. Ft.		99 FC per W/Sq. Ft.		4' Suspension Length to luminous aperture 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 Initial Footcandles at 2.5' Above Floor					
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5° 6512	0° - 30° 5078 36%																																																																																	
15° 6249	0° - 40° 8364 60%																																																																																	
25° 5789	0° - 60° 12725 91%																																																																																	
35° 5208	0° - 80° 13863 99%																																																																																	
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55° 1218	Total 13991 100%																																																																																	
90° 11																																																																																		

Delivered Lumens: 13991

Luminaire Watts: 107

LER: 130.76

CP at 0° (Nadir): 6552

CRI: 80+

Beam Angle: 97°

Spacing Ratio: 1.25

Melanopic Ratio: 0.55

Lumen Multiplier: 130L x .935

CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949

ALDDH22LEDLX 140L 35K xx AL22 MWI TF3 xx

CANDLEPOWER CURVE TEST SP-01488_3	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																																																														
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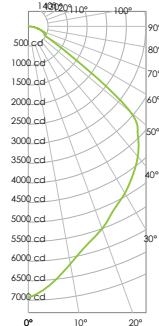
Delivered Lumens: 12052
Luminaire Watts: 107
LER: 112.64

CP at 0° (Nadir): 5659
CRI: 80+

Beam Angle: 97°
Spacing Ratio: 1.21
Melanopic Ratio: 0.53

Lumen Multiplier: 130L x .950
CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949

ALxxx22LEDLX

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																																																																																												
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Delivered Illuminance Rating: (DIR)		96 FC per W/Sq. Ft.		78 FC per W/Sq. Ft.																																																																																												
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 -2% ** Exceeds spacing criteria by -12% *** Exceeds spacing criteria by -25%																																																																																																
Delivered Lumens: 12,995 Luminaire Watts: 126 LER: 103.13	CP at 0deg (Nadir): 6,928 CRI: 85		Lamp Multiplier: 65L x 0.47, 100L x 0.71, 130L x 0.93 CCT Multiplier: 40K x 1.03, 30K x 0.979, 27K x 0.959																																																																																													



22" ALUMINUM

DDH SERIES / PHOTOMETRIC DATA

HOW TO USE PERFORMANCE DATA

SINGLE UNIT

The diagram illustrates the geometry of a single luminaire. A vertical line represents the mounting height (AFF). A horizontal line from the luminaire to the center of the beam on the floor represents the distance (D). The angle between the vertical line and the beam edge is the beam angle (θ). The beam diameter is shown at the base of the beam. Labels include: Mounting Height AFF, Beam Angle, FC at Center on Floor, FC at Beam Edge, and Beam Diameter.

Cone of Light of a single, symmetrical beam luminaire. Direct initial illumination (FC) and Beam Angle diameter directly beneath fixture; shown at different distances from aperture to horizontal plane. Calculated using Inverse Square Law.

$FC_{H_1} = CP \times (\cos \theta) \div D^2$

Beam Diam. = $\frac{1}{2}$ Beam Angle (Tan) x 2D

- CP Candela at 0° (Nadir)
- Cos θ Cosine of θ Angle
- D Distance (Mounting Height AFF)
- FC_{H_1} Footcandles, Horizontal
- Beam Angle Cone of light to 50% max. CP
- Beam Diam. Pattern of light at Beam Angle

MULTIPLE UNITS

The diagram shows a square grid layout of multiple luminaires. The grid is labeled with width (W) and length (L). The layout is shown for each ceiling height and RCR.

Square grid layout of multiple luminaires in unfurnished, square rooms of different proportions (Room Cavity Ratios) with 80/50/20% room surface reflectances. 4' Suspension Length to aperture. Initial average illumination (FC) calculated at 2.5' above floor, using Zonal Cavity Method. W/Sq. Ft. of layout shown for each ceiling height and RCR.

Delivered Illuminance Rating (DIR®):
System performance indicator expressed as ratio of approximate initial FC per W/Sq. Ft. delivered to horizontal plane below, for the range of ceiling heights indicated.

- To estimate FC for Fixture Spacing that is different than shown (do not exceed Spacing Ratio):
 $FC = \text{Chart Spacing}^2 \div \text{Different Spacing}^2 \times \text{Chart FC}$
- To estimate Sq. Ft. per fixture for a specific target FC:
 $\text{Sq. Ft. / Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$

- To estimate Fixture Quantity in a room:
 $\text{Fixture Qty.} = \text{Sq. Ft. of Rm.} \div \text{Sq. Ft. per fixture}$
- To estimate Watts/Sq. Ft.:
 $\text{W/ Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}$