



## 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

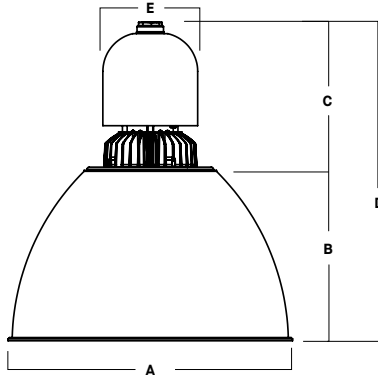
Housing constructed of extruded and machined aluminum to resist corrosion. Die-cast aluminum heat sink. Refractor made of cast UV stabilized acrylic. Reflector made of spun .060" aluminum.

#### 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
<b>PRISMATIC</b>	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
<b>ALUMINUM</b>	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 <sup>1</sup>	SYSTEM WATTS	LPW
PRDDH22LX65L	7105	52	137
PRDDH22LX100L	10079	80	126
PRDDH22LX130L	12906	98	132
PRDDH22LX140L	13659	107	128

<sup>1</sup> Nominal Delivered Lumens at 35K with DF22, No Lens

SERIES	LUMENS <sup>1</sup>	CCT	DRIVER / DIMMING <sup>2</sup>	SAFETY OPTIONS <sup>3</sup>	MOUNTING <sup>4</sup>	SHADE	ENCLOSURE OPTIONS	OPTIONS	FINISH <sup>13</sup>	MOUNTING OPTION <sup>15</sup>
PRISMATIC <b>PRDDH22LX</b>	<b>65L</b> 7100 Lm	<b>27K</b> 2700K	<b>EX</b> Electronic Driver, 120V/277V <b>DS10X</b> 10%, 0-10V, 120V/277V <b>DO10X</b> 1%, 0-10V, 120V/277V <b>DO103</b> 1%, 0-10V, 347V	<b>FS</b> Fusing <b>2CIR</b> 2 Circuit <b>SC1</b> Safety Cable	<b>HM</b> <sup>5/6/7</sup> Hang Straight <b>PM</b> <sup>8</sup> Rigid Pendant <b>CD</b> <sup>9</sup> Cord / Cable Mount <b>C072</b> 7/2" Cord / Cable Mount <b>HC</b> <sup>5/6/7</sup> Hook & Cord <b>NM2</b> <sup>6/7/8</sup> 1/2" NPT Hub <b>NM3</b> <sup>6/7/8</sup> 3/4" NPT Hub	PRISMATIC <b>PR22</b> 22" Clear <b>DF22</b> 22" Diffuse	<b>TF3</b> - 6" Frosted Diffuser (CANNOT BE USED WITH DR OPTION)	<b>SC2</b> Safety Cable Reflector to door	<b>MW</b> <sup>12</sup> Matte White <b>MB</b> <sup>14</sup> Matte Black <b>PT</b> <sup>14</sup> Platinum Silver <b>CC</b> Custom Color	<b>FCHMA</b> Field Cutable Mounting Kit for Hang Mount Fixtures
	<b>100L</b> 10100 Lm	<b>30K</b> 3000K								
	<b>130L</b> 12900 Lm	<b>35K</b> 3500K								
ALUMINUM <b>ALDDH22LX</b>	<b>140L</b> 13650 Lm	<b>40K</b> 4000K			EM. BATTERY OPTIONS <b>EMCR</b> 10W Canopy Mounted EM <b>EMRM</b> 7W Remote EM <b>EMEN</b> 7W Remote with Enclosure	ALUMINUM <b>AL22/MW</b> <sup>13</sup> Matte White Inside <b>AL22/FCI</b> <sup>10</sup> Fixture Color Inside	<b>DR22AWAG</b> <sup>10/12</sup> 22" Door with Wire Guard <b>WAG22</b> <sup>12</sup> 22" Wire Guard	<b>FO</b> White Optical Acrylic <b>PP</b> Prismatic Polycarbonate <b>PC</b> Clear Polycarbonate None		

#### QUICK SHIP

**EXAMPLE:** PRDDH22LX130L35KEX/HM36/PR22/DR22ACNFR/MW

#### NOTES:

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

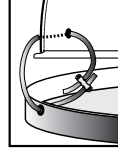
### SC1 - Safety Cable

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

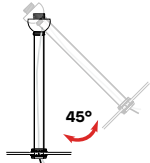
#### WAG22-22" Wire Guard



## MOUNTING TYPES

### HM\* - Hang Straight

45° SWIVEL 5/8" OD STEM - 3/8" IP

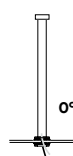


ORDER: **HM** (Length)  
SPECIFY LENGTH:  
**HM3** - 3"    **HM24** - 24"  
**HM6** - 6"    **HM36** - 36"  
**HM12** - 12"    **HM48** - 48"  
**HM18** - 18"    **HM72** - 72"  
**HMLC(XX)**  
Custom Length  
(Specify in Inches)

TO TRIM HM STEM IN FIELD ORDER FCHMA KIT.

### PM\* - Ridgid Pendant Mount

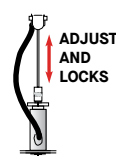
RIGID 5/8" OD STEM - 3/8" IP



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.

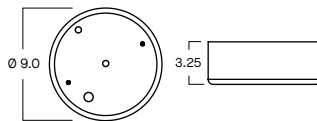
## MOUNTING OPTION

### FCHMA - Field Cuttable Mounting Kit For Hang Mount Fixtures



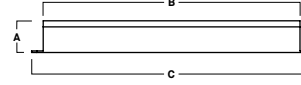
## EMERGENCY BATTERY OPTIONS

### EMCR - Large Driver Canopy For 10W Emergency Battery



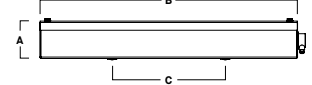
## REMOTE EMERGENCY BATTERY OPTIONS

### 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																																																																	
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90° 316		28' 1'	11 fc	40.9'	3 fc																																																																
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	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																																																																	

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																																																																	
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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%	<table border="1"> <thead> <tr> <th>Mounting Distance</th> <th>FC at Beam Center</th> <th>Diameter of Beam Angle</th> <th>FC at Beam Edge</th> </tr> </thead> <tbody> <tr><td>8'</td><td>169 fc</td><td>9.5'</td><td>54 fc</td></tr> <tr><td>10'</td><td>108 fc</td><td>11.9'</td><td>34 fc</td></tr> <tr><td>12'</td><td>75 fc</td><td>14.3'</td><td>24 fc</td></tr> <tr><td>14'</td><td>55 fc</td><td>16.7'</td><td>17 fc</td></tr> <tr><td>16'</td><td>42 fc</td><td>19.1'</td><td>13 fc</td></tr> <tr><td>20'</td><td>27 fc</td><td>23.9'</td><td>9 fc</td></tr> <tr><td>24'</td><td>19 fc</td><td>28.6'</td><td>6 fc</td></tr> <tr><td>28'</td><td>14 fc</td><td>33.4'</td><td>4 fc</td></tr> </tbody> </table>	Mounting Distance	FC at Beam Center	Diameter of Beam Angle	FC at Beam Edge	8'	169 fc	9.5'	54 fc	10'	108 fc	11.9'	34 fc	12'	75 fc	14.3'	24 fc	14'	55 fc	16.7'	17 fc	16'	42 fc	19.1'	13 fc	20'	27 fc	23.9'	9 fc	24'	19 fc	28.6'	6 fc	28'	14 fc	33.4'	4 fc	0° - 20° 4616 34%	<table border="1"> <thead> <tr> <th rowspan="2">Ceiling Height</th> <th rowspan="2">Fixture Spacing</th> <th colspan="2">RCR 2</th> <th colspan="2">RCR 4</th> </tr> <tr> <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>101</td><td>0.81</td><td>56</td><td>0.52</td></tr> <tr><td>22'</td><td>14'</td><td>56</td><td>0.45</td><td>69</td><td>0.64</td></tr> <tr><td>26'</td><td>16'</td><td>51</td><td>0.41</td><td>44</td><td>0.41</td></tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	18'	12'	101	0.81	56	0.52	22'	14'	56	0.45	69	0.64	26'	16'	51	0.41	44	0.41
	Mounting Distance	FC at Beam Center		Diameter of Beam Angle	FC at Beam Edge																																																																
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0° 10812	0° - 30° 8927 65%	18' 12'	101	0.81	56	0.52																																																															
5° 11386	0° - 40° 11598 85%	10' 1'	108 fc	11.9'	34 fc																																																																
15° 12769	0° - 60° 12794 94%	12' 1'	75 fc	14.3'	24 fc																																																																
25° 9738	0° - 80° 13140 96%	14' 1'	55 fc	16.7'	17 fc																																																																
35° 4295	0° - 90° 13229 97%	16' 1'	42 fc	19.1'	13 fc																																																																
45° 824	Total 13659 100%	20' 1'	27 fc	23.9'	9 fc																																																																
55° 463		24' 1'	19 fc	28.6'	6 fc																																																																
90° 78		28' 1'	14 fc	33.4'	4 fc																																																																
Delivered Lumens: 13659 Luminaire Watts: 107 LER: 127.65	CP at 0° (Nadir): 10812 CRI: 80+	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	Delivered Illuminance Rating: (DIR) 125 FC per W/Sq. Ft.    108 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																																																																	



# 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%	<table border="1"> <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>164 fc</td><td>9.5'</td><td>52 fc</td></tr> <tr><td>10'</td><td>105 fc</td><td>11.9'</td><td>33 fc</td></tr> <tr><td>12'</td><td>73 fc</td><td>14.2'</td><td>23 fc</td></tr> <tr><td>14'</td><td>54 fc</td><td>16.6'</td><td>17 fc</td></tr> <tr><td>16'</td><td>41 fc</td><td>19.0'</td><td>13 fc</td></tr> <tr><td>20'</td><td>26 fc</td><td>23.7'</td><td>8 fc</td></tr> <tr><td>24'</td><td>18 fc</td><td>28.5'</td><td>6 fc</td></tr> <tr><td>28'</td><td>13 fc</td><td>33.2'</td><td>4 fc</td></tr> </tbody> </table>	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	8'	164 fc	9.5'	52 fc	10'	105 fc	11.9'	33 fc	12'	73 fc	14.2'	23 fc	14'	54 fc	16.6'	17 fc	16'	41 fc	19.0'	13 fc	20'	26 fc	23.7'	8 fc	24'	18 fc	28.5'	6 fc	28'	13 fc	33.2'	4 fc	<table border="1"> <thead> <tr> <th rowspan="2">Ceiling Height</th> <th rowspan="2">Fixture Spacing</th> <th colspan="2">RCR 2</th> <th colspan="2">RCR 4</th> </tr> <tr> <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>89</td><td>0.81</td><td>49</td><td>0.52</td></tr> <tr><td>22'</td><td>14'</td><td>49</td><td>0.45</td><td>61</td><td>0.64</td></tr> <tr><td>26'</td><td>16'</td><td>45</td><td>0.41</td><td>39</td><td>0.41</td></tr> </tbody> </table>		Ceiling Height	Fixture Spacing	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	18'	12'	89	0.81	49	0.52	22'	14'	49	0.45	61	0.64	26'	16'	45	0.41	39	0.41
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26'	16'	45	0.41	39	0.41																																																																
0° 10513	0° - 20° 4069 33%	Delivered Illuminance Rating: (DIR) 110 FC per W/Sq. Ft. 95 FC per W/Sq. Ft.																																																																			
5° 10628	0° - 30° 7772 64%	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%																																																																			
15° 11007	0° - 40° 10079 83%																																																																				
25° 8473	0° - 60° 11182 92%																																																																				
35° 3788	0° - 80° 11587 95%																																																																				
45° 753	0° - 90° 11724 96%																																																																				
55° 439	Total 12162 100%																																																																				
90° 106																																																																					

Delivered Lumens: 12162      CP at 0° (Nadir): 10513      Beam Angle: 61°      Lumen Multiplier: 130L x .945  
 Luminaire Watts: 107      CRI: 80+      Spacing Ratio: 1.01      CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949  
 LER: 113.66      Melanopic Ratio 0.52

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																																															
	0.00°	0° - 10° 776 5%	<table border="1"> <thead> <tr> <th>Mounting Height AFF</th> <th>FC at Center on Floor</th> </tr> </thead> <tbody> <tr><td>10.0'</td><td>79 fc</td></tr> <tr><td>12.0'</td><td>55 fc</td></tr> <tr><td>14.0'</td><td>40 fc</td></tr> <tr><td>16.0'</td><td>31 fc</td></tr> <tr><td>20.0'</td><td>20 fc</td></tr> <tr><td>24.0'</td><td>14 fc</td></tr> <tr><td>28.0'</td><td>10 fc</td></tr> <tr><td>32.0'</td><td>8 fc</td></tr> </tbody> </table>	Mounting Height AFF	FC at Center on Floor	10.0'	79 fc	12.0'	55 fc	14.0'	40 fc	16.0'	31 fc	20.0'	20 fc	24.0'	14 fc	28.0'	10 fc	32.0'	8 fc	<table border="1"> <thead> <tr> <th rowspan="2">Ceiling Height</th> <th rowspan="2">Fixture Spacing</th> <th colspan="2">RCR 2</th> <th colspan="2">RCR 4</th> </tr> <tr> <th>FC *</th> <th>W/Sq. Ft.</th> <th>FC *</th> <th>W/Sq. Ft.</th> </tr> </thead> <tbody> <tr><td>22'</td><td>20'</td><td>33</td><td>0.34</td><td>28</td><td>0.34</td></tr> <tr><td>26'</td><td>22''</td><td>21</td><td>0.21</td><td>18</td><td>0.21</td></tr> <tr><td>32'</td><td>24''''</td><td>19</td><td>0.19</td><td>23</td><td>0.28</td></tr> </tbody> </table>		Ceiling Height	Fixture Spacing	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	22'	20'	33	0.34	28	0.34	26'	22''	21	0.21	18	0.21	32'	24''''	19	0.19	23	0.28
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0.00° 7,914	0° - 20° 2,974 21%	Delivered Illuminance Rating: (DIR) 100 FC per W/Sq. Ft. 83 FC per W/Sq. Ft.																																																	
20.00° 7,314	0° - 30° 6,050 43%	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 14% ** Exceeds spacing criteria by -0% *** Exceeds spacing criteria by -17%																																																	
40.00° 2,734	0° - 40° 9,018 63%																																																		
60.00° 856	0° - 60° 10,965 77%																																																		
80.00° 486	0° - 80° 12,315 87%																																																		
90.00° 352	0° - 90° 12,767 90%																																																		
100.00° 278	Total 14,229 100%																																																		
110.00° 229																																																			
120.00° 201																																																			
140.00° 200																																																			
160.00° 225																																																			
180.00° 216																																																			

Delivered Lumens: 14,229      CP at 0deg (Nadir): 7,914      Lamp Multiplier: 65L x 0.47, 100L x 0.71, 130L x 0.93  
 Luminaire Watts: 126      CRI: 85+      CCT Multiplier: 40K x 1.03, 30K x 0.979, 27K x 0.959  
 LER: 112.93

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																																															
	0.00°	0° - 10° 1,033 8%	<table border="1"> <thead> <tr> <th>Mounting Height AFF</th> <th>FC at Center on Floor</th> </tr> </thead> <tbody> <tr><td>10.0'</td><td>93 fc</td></tr> <tr><td>12.0'</td><td>65 fc</td></tr> <tr><td>14.0'</td><td>48 fc</td></tr> <tr><td>16.0'</td><td>36 fc</td></tr> <tr><td>20.0'</td><td>23 fc</td></tr> <tr><td>24.0'</td><td>16 fc</td></tr> <tr><td>28.0'</td><td>12 fc</td></tr> <tr><td>32.0'</td><td>9 fc</td></tr> </tbody> </table>	Mounting Height AFF	FC at Center on Floor	10.0'	93 fc	12.0'	65 fc	14.0'	48 fc	16.0'	36 fc	20.0'	23 fc	24.0'	16 fc	28.0'	12 fc	32.0'	9 fc	<table border="1"> <thead> <tr> <th rowspan="2">Ceiling Height</th> <th rowspan="2">Fixture Spacing</th> <th colspan="2">RCR 2</th> <th colspan="2">RCR 4</th> </tr> <tr> <th>FC *</th> <th>W/Sq. Ft.</th> <th>FC *</th> <th>W/Sq. Ft.</th> </tr> </thead> <tbody> <tr><td>22'</td><td>16'</td><td>49</td><td>0.52</td><td>27</td><td>0.34</td></tr> <tr><td>26'</td><td>18''</td><td>31</td><td>0.33</td><td>39</td><td>0.48</td></tr> <tr><td>32'</td><td>20''''</td><td>26</td><td>0.28</td><td>23</td><td>0.28</td></tr> </tbody> </table>		Ceiling Height	Fixture Spacing	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	22'	16'	49	0.52	27	0.34	26'	18''	31	0.33	39	0.48	32'	20''''	26	0.28	23	0.28
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32'	20''''	26	0.28	23	0.28																																														
0.00° 9,341	0° - 20° 4,060 33%	Delivered Illuminance Rating: (DIR) 93 FC per W/Sq. Ft. 81 FC per W/Sq. Ft.																																																	
20.00° 10,049	0° - 30° 7,872 65%	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 -4% ** Exceeds spacing criteria by -14% *** Exceeds spacing criteria by -27%																																																	
40.00° 1,737	0° - 40° 10,281 84%																																																		
60.00° 221	0° - 60° 11,264 92%																																																		
80.00° 107	0° - 80° 11,542 95%																																																		
90.00° 55	0° - 90° 11,621 95%																																																		
100.00° 55	Total 12,193 100%																																																		
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120.00° 71																																																			
140.00° 121																																																			
160.00° 172																																																			
180.00° 206																																																			

Delivered Lumens: 12,193      CP at 0deg (Nadir): 9,341      Lamp Multiplier: 65L x 0.67, 100L x 1.1, 130L x 1.32, 140L x 1.42  
 Luminaire Watts: 126      CRI: 85      CCT Multiplier: 40K x 1.03, 30K x 0.98, 27K x 0.96  
 LER: 96.77



# 22" PRISMATIC

## DDH SERIES / PHOTOMETRIC DATA



PRxxx22LEDLX-140L-35K-EX-xxxx-DF22-DR22-FO

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								
			Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4				
	0.00°	0° - 10°	355	4%	10.0'	36 fc	23.4'	14 fc	22'	20' *	22	0.30	18	0.30	
	0.00° 3,601	0° - 20°	1,286	13%	12.0'	25 fc	28.1'	10 fc	26'	22' **	14	0.19	11	0.19	
	5.00° 3,585	0° - 30°	2,646	27%	14.0'	18 fc	32.8'	7 fc	32'	24' ***	13	0.17	15	0.25	
	10.00° 3,389	0° - 40°	4,234	43%	16.0'	14 fc	37.5'	6 fc	Delivered Illuminance Rating: (DIR)		75 FC per W/Sq. Ft.		59 FC per W/Sq. Ft.		
	15.00° 3,311	0° - 60°	7,149	72%	20.0'	9 fc	46.9'	4 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 12% ** Exceeds spacing criteria by -2% *** Exceeds spacing criteria by -18%						
	20.00° 3,153	0° - 80°	8,543	86%	24.0'	6 fc	56.3'	3 fc							
	30.00° 2,785	0° - 90°	8,636	87%	28.0'	5 fc	65.7'	2 fc							
	40.00° 2,319	Total	9,926	100%	32.0'	4 fc	75.0'	1 fc							
	50.00° 1,773														
	60.00° 1,209														
	70.00° 674														
	80.00° 204														
	90.00° 7														
Delivered Lumens: <b>9,926</b>	CP at 0deg (Nadir): <b>3,601</b>	Beam Angle: <b>98.96</b>	Lamp Multiplier: <b>65L x 0.67, 100L x 1, 130L x 1.2</b>												
Luminaire Watts: <b>111.89</b>	CRI: <b>88.71</b>	Spacing Ratio: <b>1.15</b>	CCT Multiplier: <b>40K x 1.03, 30K x 0.979, 27K x 0.959</b>												



# 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 border="1"> <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 border="1"> <thead> <tr> <th rowspan="2">Ceiling Height</th> <th rowspan="2">Fixture Spacing</th> <th colspan="2">RCR 2</th> <th colspan="2">RCR 4</th> </tr> <tr> <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> </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
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0° 6552	0° - 20° 2397 17%	<p>Beam Angle: 97° Spacing Ratio: 1.25 Melanopic Ratio: 0.55</p>	<p>Lumen Multiplier: 130L x .935 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949</p>																																																																	
5° 6512	0° - 30° 5078 36%																																																																			
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55° 1218	Total 13991 100%																																																																			
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Delivered Lumens: 13991 Luminaire Watts: 107 LER: 130.76	CP at 0° (Nadir): 6552 CRI: 80+																																																																			

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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0° 5659	0° - 20° 2054 17%	<p>Beam Angle: 97° Spacing Ratio: 1.21 Melanopic Ratio: 0.53</p>	<p>Lumen Multiplier: 130L x .950 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949</p>																																																																	
5° 5605	0° - 30° 4327 36%																																																																			
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Delivered Lumens: 12052 Luminaire Watts: 107 LER: 112.64	CP at 0° (Nadir): 5659 CRI: 80+																																																																			

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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0.00° 6,928	0° - 20° 2,341 18%	<p>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</p>	<p>2' Suspension Length Square rooms used for multiple units: - RCR 2: Length &amp; Width = Ceiling Ht. - 6.5' x 5.00 - RCR 4: Length &amp; 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%</p>																																															
20.00° 5,503	0° - 30° 4,726 36%																																																	
40.00° 4,344	0° - 40° 7,613 59%																																																	
60.00° 542	0° - 60° 12,120 93%																																																	
80.00° 185	0° - 80° 12,902 99%																																																	
90.00° 4	0° - 90° 12,995 100%																																																	
Delivered Lumens: 12,995 Luminaire Watts: 126 LER: 103.13	CP at 0deg (Nadir): 6,928 CRI: 85																																																	

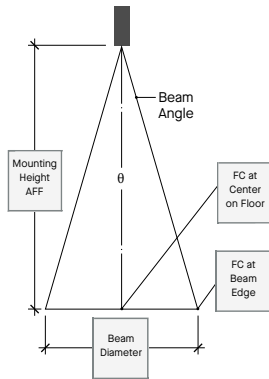


# 22" ALUMINUM

## DDH SERIES / PHOTOMETRIC DATA

### HOW TO USE PERFORMANCE DATA

#### SINGLE UNIT



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.

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

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

- CP Candela at 0° (Nadir)
- Cos  $\theta$  Cosine of  $\theta$  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

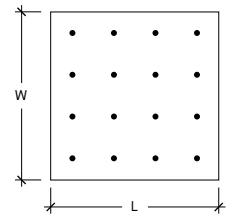
#### MULTIPLE UNITS

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.:  
 $W/ \text{Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}$