



16" Low/Mid/High Bay 13800 Lm

Quick Ship



PRDDH16LX & ALDDH16LX

APPLICATION

16" 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

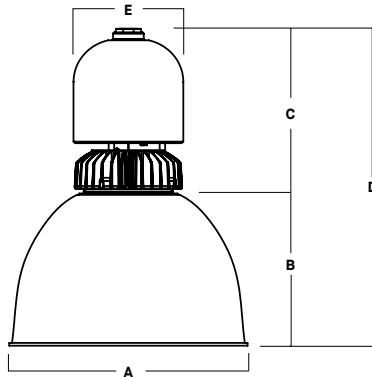
Housing constructed of extruded and machined aluminum to resist corrosion. Graphite gasket for optimal thermal management. Die-cast aluminum heat sink. Refractor made of cast UV stabilized acrylic. Reflector made of spun .060" aluminum.

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	16.2 411.48 mm	10.8 274.3 mm	11.6 294.6 mm	22.4 569.0 mm	7.5 190.5 mm
ALUMINUM	16.0 406.4 mm	10.5 266.7 mm	11.5 292.1 mm	22.0 558.8 mm	7.5 190.5 mm

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS ¹	SYSTEM WATTS	LPW
PRDDH16LX65L	7386	52	142
PRDDH16LX100L	10510	80	131
PRDDH16LX130L	13204	98	135
PRDDH16LX140L	13815	107	129

¹ Nominal Delivered Lumens at 35K with PR16, No Lens

DLC LISTINGS	
FIXTURE CATALOG	DLC CLASSIFICATION
ALDDH16LX130L35KDS10X[MOUNTING]/AL16/MWI	STANDARD
ALDDH16LX130L40KDS10X[MOUNTING]/AL16/MWI	STANDARD
ALDDH16LX140L35KDS10X[MOUNTING]/AL16/MWI	STANDARD
ALDDH16LX140L40KDS10X[MOUNTING]/AL16/MWI	STANDARD
PRDDH16LX130L35KDS10X[MOUNTING]/DF16	PREMIUM
PRDDH16LX130L40KDS10X[MOUNTING]/DF16	PREMIUM
PRDDH16LX140L35KDS10X[MOUNTING]/DF16	PREMIUM
PRDDH16LX140L40KDS10X[MOUNTING]/DF16	PREMIUM

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ²	SAFETY OPTIONS ³	MOUNTING ⁴	SHADE	ENCLOSURE OPTIONS	OPTIONS	FINISH ¹⁴	MOUNTING OPTION ¹⁵
PRISMATIC PRDDH16LX	65L 7400 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	FS Fusing 2CIR 2 Circuit SC1 Safety Cable	HM ⁵ Hang Straight PM ⁵ Rigid Pendant CD ⁵ Cord / Cable Mount CD72 72" Cord / Cable Mount HC ^{5/6/7} Hook & Cord NM2 ^{8/7/9} 1/2" NPT Hub NM3 ^{8/7/9} 3/4" NPT Hub	PRISMATIC PR16 16" Clear DF16 16" Diffuse OP16 16" Opal	TF3 - 6" Frosted Diffuser (CANNOT BE USED WITH DR OPTION)	SC2 Safety Cable Reflector to door	MW ¹⁶ Matte White MB ¹⁶ Matte Black PT ¹⁶ Platinum Silver CC Custom Color	FCHMA Field Cuttable Mounting Kit for Hang Mount Fixtures
	100L 10500 Lm 130L 13200 Lm 140L 13800 Lm	30K 3000K 35K 3500K 40K 4000K								
ALUMINUM ALDDH16LX					EMCR 10W Canopy Mounted EM EMRM 7W Remote EM EMEN 7W Remote with Enclosure	AL16/MWI ¹⁰ Matte White Inside AL16/FCI ¹⁰ Fixture Color Inside	DR16DWAG ^{10/13} 16" Door with Wire Guard WAG16 ¹³ 16" Wire Guard	FO White Optical Acrylic PP Prismatic Polycarbonate PC Clear Polycarbonate None		

GREEN TEXT INDICATES QUICK SHIP OPTIONS

EXAMPLE: ALDDH16LX100L35KEX/HM36/AL16/MWI/DR16DFO/MW

NOTES:

1 Nominal Delivered Lumens at 35K with PR16, 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 DR16D for ALDDH16LX 12 Same Finish as Housing / For Use with Prismatic Shades Only 13 No Color 14 Reference Color Sheet Located on Product Webpage for Full List of Available Colors 15 Standard Finishes 16 Field Cuttable Mounting Kit only Available with HM Stem



PROJECT: _____

QUANTITY: _____

TYPE: _____



16" PRISMATIC & ALUMINUM DDH SERIES



SERIES TYPE

ALUMINUM

BOTTOM VIEW



ALDDH16LX MATTE WHITE WITH TF3

PRISMATIC

BOTTOM VIEW



PRDDH16LX MATTE WHITE WITH TF3

STANDARD FINISHES

MW
MATTE WHITE



PRDDH16LX HM MATTE WHITE

MB
MATTE BLACK



PRDDH16LX HM MATTE BLACK

PT
PLATINUM SILVER



PRDDH16LX HM PLATINUM SILVER

MOUNTING TYPES

HM / PM
HANG STRAIGHT / PENDANT



PRDDH16LX SHOWN WITH PM

CD
CORD / CABLE MOUNT



PRDDH16LX SHOWN WITH CD

HC
HOOK CORD



PRDDH16LX SHOWN WITH HC

NM
NO MOUNT



PRDDH16LX 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

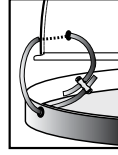
SC1 - Safety Cable

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



ENCLOSURES

TF3 - 6" Frosted Diffuser



OPTIONS

DOOR

DR16D-16" Spun Door
BC16-16" Band Clamp
RS16-16" Refractor Shroud

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

DOOR & GUARD

DR16DWAG-16" Door with Wire Guard

LENSES

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



DR16DWAG SHOWN WITH FO

GUARD OPTION

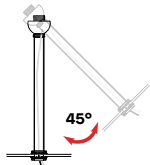
WAG16-16" Wire Guard



MOUNTING TYPES

HM* - Hang Straight

45° SWIVEL 5/8" OD STEM - 3/8" IP

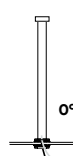


ORDER: **HM** (Length)
 SPECIFY LENGTH:
HM3 - 3" **HM24** - 24"
HM6 - 6" **HM36** - 36"
HM12 - 12" **HM48** - 48"
HM18 - 18" **HM72** - 72"
HMLC(XX)
 Custom Length
 (Specify in Inches)

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.

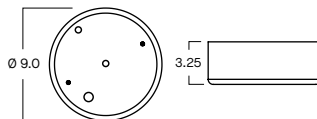
MOUNTING OPTION

FCHMA - Field Cuttable Mounting Kit For Hang Mount Fixtures



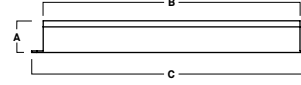
EMERGENCY BATTERY OPTIONS

EMCR - Large Driver Canopy For 10W Emergency Battery



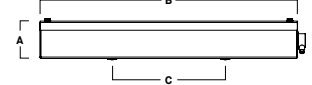
REMOTE EMERGENCY BATTERY OPTIONS

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



16" PRISMATIC

DDH SERIES / PHOTOMETRIC DATA



PRAF16LEDLX 140L 35K xx PR16 xx

CANDLEPOWER CURVE TEST SP-01511_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					
			Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
	0°	0° - 10° 1405 10%	8'	245 fc	8.8'	83 fc	18'	12"	88	0.68	110	0.99
	0°	0° - 20° 4980 36%	10'	157 fc	11.0'	53 fc	22'	14'	72	0.57	63	0.57
	5°	0° - 30° 9269 67%	12'	109 fc	13.2'	37 fc	26'	18"	47	0.37	41	0.37
	15°	0° - 40° 12000 87%	14'	80 fc	15.4'	27 fc	Delivered Illuminance Rating: (DIR)		128 FC per W/Sq. Ft.		111 FC per W/Sq. Ft.	
	25°	0° - 60° 13304 96%	16'	61 fc	17.6'	21 fc	3' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 5.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 5.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor * Exceeds Spacing Ratio by 12% *** Exceeds Spacing Ratio by 2%					
	35°	0° - 80° 13656 99%	20'	39 fc	22.0'	13 fc						
	45°	0° - 90° 13687 99%	24'	27 fc	26.4'	9 fc						
	55°	90° 22	28'	20 fc	30.8'	7 fc						
	90°	Total 13815										
	Delivered Lumens: 13815 Luminaire Watts: 107 LER: 129.11	CP at 0° (Nadir): 15698 CRI: 80+	Beam Angle: 58° Spacing Ratio: 0.86 Melanopic Ratio 0.55	Lumen Multiplier: 130L x .956 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949								

PRAF16LEDLX 140L 35K xx PR16 TF3 xx

CANDLEPOWER CURVE TEST SP-01497_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					
			Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
	0°	0° - 10° 1249 10%	8'	211 fc	8.9'	71 fc	18'	12"	78	0.68	97	0.99
	0°	0° - 20° 4353 35%	10'	135 fc	11.1'	45 fc	22'	14'	65	0.57	56	0.57
	5°	0° - 30° 8090 65%	12'	94 fc	13.3'	31 fc	26'	18"	42	0.37	36	0.37
	15°	0° - 40° 10495 84%	14'	69 fc	15.5'	23 fc	Delivered Illuminance Rating: (DIR)		114 FC per W/Sq. Ft.		99 FC per W/Sq. Ft.	
	25°	0° - 60° 11707 94%	16'	53 fc	17.7'	18 fc	3' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 5.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 5.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor * Exceeds Spacing Ratio by 10% *** Exceeds Spacing Ratio by 1%					
	35°	0° - 80° 12174 97%	20'	34 fc	22.2'	11 fc						
	45°	0° - 90° 12281 98%	24'	23 fc	26.6'	8 fc						
	55°	90° 63	28'	17 fc	31.0'	6 fc						
	90°	Total 12492										
	Delivered Lumens: 12492 Luminaire Watts: 107 LER: 116.75	CP at 0° (Nadir): 13518 CRI: 80+	Beam Angle: 58° Spacing Ratio: 0.87 Melanopic Ratio 0.52	Lumen Multiplier: 130L x .950 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949								

PRAF16LEDLX 140L 35K xx DF16 xx

CANDLEPOWER CURVE TEST SP-01532_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					
			Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
	0°	0° - 10° 832 6%	8'	138 fc	10.8'	39 fc	18'	12"	80	0.68	95	0.99
	0°	0° - 20° 3031 22%	10'	88 fc	13.5'	25 fc	22'	14'	66	0.57	54	0.57
	5°	0° - 30° 6122 44%	12'	61 fc	16.2'	17 fc	26'	18"	43	0.37	35	0.37
	15°	0° - 40° 8595 62%	14'	45 fc	18.9'	13 fc	Delivered Illuminance Rating: (DIR)		117 FC per W/Sq. Ft.		96 FC per W/Sq. Ft.	
	25°	0° - 60° 10849 78%	16'	34 fc	21.6'	10 fc	3' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 5.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 5.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor					
	35°	0° - 80° 12458 89%	20'	22 fc	27.0'	6 fc						
	45°	0° - 90° 12965 93%	24'	15 fc	32.4'	4 fc						
	55°	90° 1182	28'	11 fc	37.8'	3 fc						
	90°	Total 13934										
	Delivered Lumens: 13934 Luminaire Watts: 107 LER: 130.22	CP at 0° (Nadir): 8806 CRI: 80+	Beam Angle: 68° Spacing Ratio: 1.05 Melanopic Ratio 0.55	Lumen Multiplier: 130L x .946 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949								



16" PRISMATIC

DDH SERIES / PHOTOMETRIC DATA



PRAF16LEDLX 140L 35K xx DF16 TF3 xx

CANDLEPOWER CURVE TEST SP-01531_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%	<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>121 fc</td><td>10.6'</td><td>35 fc</td></tr> <tr><td>10'</td><td>77 fc</td><td>13.3'</td><td>22 fc</td></tr> <tr><td>12'</td><td>54 fc</td><td>15.9'</td><td>15 fc</td></tr> <tr><td>14'</td><td>39 fc</td><td>18.6'</td><td>11 fc</td></tr> <tr><td>16'</td><td>30 fc</td><td>21.2'</td><td>9 fc</td></tr> <tr><td>20'</td><td>19 fc</td><td>26.6'</td><td>6 fc</td></tr> <tr><td>24'</td><td>13 fc</td><td>31.9'</td><td>4 fc</td></tr> <tr><td>28'</td><td>10 fc</td><td>37.2'</td><td>3 fc</td></tr> </tbody> </table>	Mounting Distance	FC at Beam Center	Diameter of Beam Angle	FC at Beam Edge	8'	121 fc	10.6'	35 fc	10'	77 fc	13.3'	22 fc	12'	54 fc	15.9'	15 fc	14'	39 fc	18.6'	11 fc	16'	30 fc	21.2'	9 fc	20'	19 fc	26.6'	6 fc	24'	13 fc	31.9'	4 fc	28'	10 fc	37.2'	3 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>70</td><td>0.68</td><td>83</td><td>0.99</td></tr> <tr><td>22'</td><td>14'</td><td>58</td><td>0.57</td><td>48</td><td>0.57</td></tr> <tr><td>26'</td><td>18'</td><td>38</td><td>0.37</td><td>31</td><td>0.37</td></tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	18'	12'	70	0.68	83	0.99	22'	14'	58	0.57	48	0.57	26'	18'	38	0.37	31	0.37
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0° 7728	0° - 20° 2645 21%	<p>Beam Angle: 67° Spacing Ratio: 1.02 Melanopic Ratio 0.52</p>	<p>Lumen Multiplier: 130L x .953 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949</p>																																																																	
5° 7649	0° - 30° 5269 42%																																																																			
15° 6865	0° - 40° 7379 59%																																																																			
25° 5848	0° - 60° 9390 76%																																																																			
35° 3405	0° - 80° 10898 88%																																																																			
45° 1316	0° - 90° 11423 92%																																																																			
55° 1036	Total 12420 100%																																																																			
90° 411																																																																				
Delivered Lumens: 12420 Luminaire Watts: 107 LER: 116.07	CP at 0° (Nadir): 7728 CRI: 80+																																																																			

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%	<table border="1"> <thead> <tr> <th>Mounting Height Aff</th> <th>FC at Center on Floor</th> <th>Beam Diameter</th> <th>FC at Beam Edge</th> </tr> </thead> <tbody> <tr><td>10.0'</td><td>145 fc</td><td>10.9'</td><td>72 fc</td></tr> <tr><td>12.0'</td><td>101 fc</td><td>13.1'</td><td>50 fc</td></tr> <tr><td>14.0'</td><td>74 fc</td><td>15.3'</td><td>37 fc</td></tr> <tr><td>16.0'</td><td>57 fc</td><td>17.5'</td><td>28 fc</td></tr> <tr><td>20.0'</td><td>36 fc</td><td>21.9'</td><td>18 fc</td></tr> <tr><td>24.0'</td><td>25 fc</td><td>26.2'</td><td>12 fc</td></tr> <tr><td>28.0'</td><td>19 fc</td><td>30.6'</td><td>9 fc</td></tr> <tr><td>32.0'</td><td>14 fc</td><td>35.0'</td><td>7 fc</td></tr> </tbody> </table>	Mounting Height Aff	FC at Center on Floor	Beam Diameter	FC at Beam Edge	10.0'	145 fc	10.9'	72 fc	12.0'	101 fc	13.1'	50 fc	14.0'	74 fc	15.3'	37 fc	16.0'	57 fc	17.5'	28 fc	20.0'	36 fc	21.9'	18 fc	24.0'	25 fc	26.2'	12 fc	28.0'	19 fc	30.6'	9 fc	32.0'	14 fc	35.0'	7 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>54</td><td>0.52</td><td>68</td><td>0.76</td></tr> <tr><td>26'</td><td>18''</td><td>34</td><td>0.33</td><td>43</td><td>0.48</td></tr> <tr><td>32'</td><td>20''*</td><td>29</td><td>0.28</td><td>25</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'	54	0.52	68	0.76	26'	18''	34	0.33	43	0.48	32'	20''*	29	0.28	25	0.28
	Mounting Height Aff	FC at Center on Floor		Beam Diameter	FC at Beam Edge																																																															
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32'	20''*	29	0.28	25	0.28																																																															
0.00° 14,505	0° - 20° 5,025 38%	<p>Beam Angle: 57.08 Spacing Ratio: 0.87</p>	<p>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</p>																																																																	
5.00° 14,635	0° - 30° 9,023 68%																																																																			
10.00° 14,337	0° - 40° 11,361 86%																																																																			
15.00° 13,122	0° - 60° 12,547 95%																																																																			
20.00° 10,975	0° - 80° 12,916 98%																																																																			
30.00° 6,569	0° - 90° 12,968 98%																																																																			
40.00° 1,565	Total 13,221 100%																																																																			
50.00° 591																																																																				
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:																																																																			



16" ALUMINUM

DDH SERIES / PHOTOMETRIC DATA



ALDDH16LEDLX 140L 35K xx AL16 MWI xx

CANDLEPOWER CURVE TEST SP-01482_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						
			Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		
	0°	0° - 10° 767 7%	8'	125 fc	11.6'	33 fc	18'	12'	70	0.68	84	0.99	
	0°	0° - 20° 2819 25%	10'	80 fc	14.5'	21 fc	22'	14'	57	0.57	48	0.57	
	5°	0° - 30° 5730 50%	12'	56 fc	17.3'	15 fc	26'	18'	37	0.37	31	0.37	
	15°	0° - 40° 8363 73%	14'	41 fc	20.2'	11 fc	Delivered Illuminance Rating: (DIR)						
	25°	0° - 60° 10361 91%	16'	31 fc	23.1'	8 fc	102 FC per W/Sq. Ft. 85 FC per W/Sq. Ft.						
	35°	0° - 80° 11318 99%	20'	20 fc	28.9'	5 fc	3' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 5.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 5.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor						
	45°	0° - 90° 11382 100%	24'	14 fc	34.7'	4 fc							
	55°	978	28'	10 fc	40.5'	3 fc							
	90°	3	Total 11400 100%										

Delivered Lumens: 11400 CP at 0° (Nadir): 8022 Beam Angle: 72° Lumen Multiplier: 130L x .940
 Luminaire Watts: 107 LER: 106.54 Spacing Ratio: 1.09 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949
 CRI: 80+ Melanopic Ratio: 0.55

ALDDH16LEDLX 140L 35K xx AL16 MWI TF3 xx

CANDLEPOWER CURVE TEST SP-01504_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						
			Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		
	0°	0° - 10° 674 7%	8'	111 fc	11.5'	30 fc	18'	12'	61	0.68	74	0.99	
	0°	0° - 20° 2470 24%	10'	71 fc	14.3'	19 fc	22'	14'	51	0.57	42	0.57	
	5°	0° - 30° 4986 49%	12'	49 fc	17.2'	13 fc	26'	18'	33	0.37	27	0.37	
	15°	0° - 40° 7278 72%	14'	36 fc	20.0'	10 fc	Delivered Illuminance Rating: (DIR)						
	25°	0° - 60° 9158 91%	16'	28 fc	22.9'	7 fc	90 FC per W/Sq. Ft. 75 FC per W/Sq. Ft.						
	35°	0° - 80° 10008 99%	20'	18 fc	28.6'	5 fc	3' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 5.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 5.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor						
	45°	0° - 90° 10066 100%	24'	12 fc	34.4'	3 fc							
	55°	881	28'	9 fc	40.1'	2 fc							
	90°	5	Total 10087 100%										

Delivered Lumens: 10087 CP at 0° (Nadir): 7117 Beam Angle: 71° Lumen Multiplier: 130L x .890
 Luminaire Watts: 107 LER: 94.27 Spacing Ratio: 1.05 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949
 CRI: 80+ Melanopic Ratio: 0.52

ALxxx16LX-140L-35K-EX-AL16

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° 736 6%	10.0'	76 fc	15.0'	37 fc	22'	20'	29	0.30	24	0.30		
	5.00°	0° - 20° 2,739 23%	12.0'	53 fc	18.0'	26 fc	26'	22'	18	0.19	15	0.19		
	10.00°	0° - 30° 5,572 48%	14.0'	39 fc	21.0'	19 fc	32'	24'	17	0.17	20	0.25		
	15.00°	0° - 40° 8,316 71%	16.0'	30 fc	24.0'	14 fc	Delivered Illuminance Rating: (DIR)							
	20.00°	0° - 60° 10,456 90%	20.0'	19 fc	30.0'	9 fc	98 FC per W/Sq. Ft. 81 FC per W/Sq. Ft.							
	30.00°	0° - 80° 11,572 99%	24.0'	13 fc	36.0'	6 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 14% †† Exceeds spacing criteria by -0% ††† Exceeds spacing criteria by -17%							
	40.00°	0° - 90° 11,669 100%	28.0'	10 fc	42.0'	5 fc								
	50.00°	1,210	32.0'	7 fc	48.0'	4 fc								
	60.00°	885	Total 11,669 100%											
	70.00°	549												
	80.00°	226												
	90.00°	0												

Delivered Lumens: 11,669 CP at 0deg (Nadir): 7,638 Beam Angle: 73.56 Lamp Multiplier: 67L x 0.47, 100L x 0.71, 130L x 0.93
 Luminaire Watts: 111.89 LER: 104.29 Spacing Ratio: 1.13 CCT Multiplier: 40K x 1.03, 30K x 0.979, 27K x 0.959
 CRI: 85



16" ALUMINUM

DDH SERIES / PHOTOMETRIC DATA



ALxxx16LX-140L-35K-EX-AL16-BC16-CN

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°	352	4%	<table border="1"> <thead> <tr> <th rowspan="2">Mounting Height AFF</th> <th rowspan="2">FC at Center on Floor</th> <th rowspan="2">Beam Diameter</th> <th rowspan="2">FC at Beam Edge</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>22' *</td> <td>12</td> <td>0.17</td> <td>18</td> <td>0.30</td> </tr> <tr> <td>26'</td> <td>24' **</td> <td>14</td> <td>0.19</td> <td>11</td> <td>0.19</td> </tr> <tr> <td>32'</td> <td>28' ***</td> <td>8</td> <td>0.11</td> <td>7</td> <td>0.11</td> </tr> <tr> <td colspan="4">Delivered Illuminance Rating: (DIR)</td> <td colspan="2">73 FC per W/Sq. Ft.</td> <td colspan="2">60 FC per W/Sq. Ft.</td> </tr> <tr> <td colspan="8"> 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 -6% ** Exceeds spacing criteria by -18% *** Exceeds spacing criteria by -27% </td> </tr> </tbody> </table>	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	22'	22' *	12	0.17	18	0.30	26'	24' **	14	0.19	11	0.19	32'	28' ***	8	0.11	7	0.11	Delivered Illuminance Rating: (DIR)				73 FC per W/Sq. Ft.		60 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 -6% ** Exceeds spacing criteria by -18% *** Exceeds spacing criteria by -27%							
	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge						RCR 2		RCR 4																																							
						FC *	W/Sq. Ft.	FC *	W/Sq. Ft.																																										
	22'	22' *	12	0.17		18	0.30																																												
	26'	24' **	14	0.19		11	0.19																																												
	32'	28' ***	8	0.11		7	0.11																																												
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	5.00°	0° - 20°	1,640	19%																																															
	10.00°	0° - 30°	3,889	44%																																															
	15.00°	0° - 40°	6,080	69%																																															
	20.00°	0° - 60°	7,937	91%																																															
	30.00°	0° - 80°	8,708	99%																																															
40.00°	0° - 90°	8,766	100%																																																
50.00°	90.00°	0																																																	
60.00°	Total	8,766	100%																																																
70.00°																																																			
80.00°																																																			
90.00°																																																			

Delivered Lumens: 8,766
 Luminaire Watts: 111.89
 LER: 78.34

CP at 0deg (Nadir): 3,096
 CRI: 85

Beam Angle: 78.35
 Spacing Ratio: 1.51

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

ALxxx16LX-140L-35K-EX-AL16-BC16-DL

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°	361	4%	<table border="1"> <thead> <tr> <th rowspan="2">Mounting Height AFF</th> <th rowspan="2">FC at Center on Floor</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>10.0'</td> <td>41 fc</td> <td>47</td> <td>0.67</td> <td>37</td> <td>0.67</td> </tr> <tr> <td>12.0'</td> <td>29 fc</td> <td>40</td> <td>0.58</td> <td>23</td> <td>0.42</td> </tr> <tr> <td>14.0'</td> <td>21 fc</td> <td>31</td> <td>0.44</td> <td>24</td> <td>0.44</td> </tr> <tr> <td>16.0'</td> <td>16 fc</td> <td colspan="4">Delivered Illuminance Rating: (DIR)</td> </tr> <tr> <td>20.0'</td> <td>10 fc</td> <td colspan="2">70 FC per W/Sq. Ft.</td> <td colspan="2">55 FC per W/Sq. Ft.</td> </tr> <tr> <td>24.0'</td> <td>7 fc</td> <td colspan="6"> 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 -10% ** Exceeds spacing criteria by -17% *** Exceeds spacing criteria by -27% </td> </tr> <tr> <td>28.0'</td> <td>5 fc</td> <td colspan="6"></td> </tr> <tr> <td>32.0'</td> <td>4 fc</td> <td colspan="6"></td> </tr> <tr> <td></td> <td></td> <td colspan="6"></td> </tr> <tr> <td></td> <td></td> <td colspan="6"></td> </tr> <tr> <td></td> <td></td> <td colspan="6"></td> </tr> </tbody> </table>	Mounting Height AFF	FC at Center on Floor	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	10.0'	41 fc	47	0.67	37	0.67	12.0'	29 fc	40	0.58	23	0.42	14.0'	21 fc	31	0.44	24	0.44	16.0'	16 fc	Delivered Illuminance Rating: (DIR)				20.0'	10 fc	70 FC per W/Sq. Ft.		55 FC per W/Sq. Ft.		24.0'	7 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 -10% ** Exceeds spacing criteria by -17% *** Exceeds spacing criteria by -27%						28.0'	5 fc							32.0'	4 fc																														
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20.00°	0° - 20°	1,224	13%																																																																																										
40.00°	0° - 30°	2,415	27%																																																																																										
60.00°	0° - 40°	3,779	42%																																																																																										
80.00°	0° - 60°	7,065	78%																																																																																										
100.00°	0° - 80°	8,395	92%																																																																																										
110.00°	0° - 90°	8,774	96%																																																																																										
120.00°	180.00°	0																																																																																											
140.00°	Total	9,106	100%																																																																																										
160.00°																																																																																													
180.00°																																																																																													

Delivered Lumens: 9,106
 Luminaire Watts: 111.89
 LER: 81.38

CP at 0deg (Nadir): 4,108
 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

ALxxx16LX-140L-35K-EX-AL16-BC16-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																																																																																																											
	0.00°	0° - 10°	303	4%	<table border="1"> <thead> <tr> <th rowspan="2">Mounting Height AFF</th> <th rowspan="2">FC at Center on Floor</th> <th rowspan="2">Beam Diameter</th> <th rowspan="2">FC at Beam Edge</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>10.0'</td> <td>32 fc</td> <td>25.4'</td> <td>12 fc</td> <td>19</td> <td>0.30</td> <td>15</td> <td>0.30</td> </tr> <tr> <td>12.0'</td> <td>22 fc</td> <td>30.5'</td> <td>8 fc</td> <td>12</td> <td>0.19</td> <td>10</td> <td>0.19</td> </tr> <tr> <td>14.0'</td> <td>16 fc</td> <td>35.6'</td> <td>6 fc</td> <td>11</td> <td>0.17</td> <td>13</td> <td>0.25</td> </tr> <tr> <td>16.0'</td> <td>12 fc</td> <td>40.7'</td> <td>5 fc</td> <td colspan="4">Delivered Illuminance Rating: (DIR)</td> </tr> <tr> <td>20.0'</td> <td>8 fc</td> <td>50.9'</td> <td>3 fc</td> <td colspan="2">64 FC per W/Sq. Ft.</td> <td colspan="2">50 FC per W/Sq. Ft.</td> </tr> <tr> <td>24.0'</td> <td>6 fc</td> <td>61.0'</td> <td>2 fc</td> <td colspan="6"> 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 9% ** Exceeds spacing criteria by -4% *** Exceeds spacing criteria by -20% </td> </tr> <tr> <td>28.0'</td> <td>4 fc</td> <td>71.2'</td> <td>1 fc</td> <td colspan="6"></td> </tr> <tr> <td>32.0'</td> <td>3 fc</td> <td>81.4'</td> <td>1 fc</td> <td colspan="6"></td> </tr> <tr> <td></td> <td></td> <td colspan="6"></td> </tr> <tr> <td></td> <td></td> <td colspan="6"></td> </tr> <tr> <td></td> <td></td> <td colspan="6"></td> </tr> </tbody> </table>	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	10.0'	32 fc	25.4'	12 fc	19	0.30	15	0.30	12.0'	22 fc	30.5'	8 fc	12	0.19	10	0.19	14.0'	16 fc	35.6'	6 fc	11	0.17	13	0.25	16.0'	12 fc	40.7'	5 fc	Delivered Illuminance Rating: (DIR)				20.0'	8 fc	50.9'	3 fc	64 FC per W/Sq. Ft.		50 FC per W/Sq. Ft.		24.0'	6 fc	61.0'	2 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 9% ** Exceeds spacing criteria by -4% *** Exceeds spacing criteria by -20%						28.0'	4 fc	71.2'	1 fc							32.0'	3 fc	81.4'	1 fc																														
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	32.0'	3 fc	81.4'	1 fc																																																																																																											
5.00°	0° - 20°	1,147	14%																																																																																																												
10.00°	0° - 30°	2,392	29%																																																																																																												
15.00°	0° - 40°	3,847	47%																																																																																																												
20.00°	0° - 60°	6,596	81%																																																																																																												
30.00°	0° - 80°	8,035	99%																																																																																																												
40.00°	0° - 90°	8,124	100%																																																																																																												
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Delivered Lumens: 8,124
 Luminaire Watts: 111.89
 LER: 72.61

CP at 0deg (Nadir): 3,174
 CRI: 85

Beam Angle: 103.61
 Spacing Ratio: 1.18

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



16" ALUMINUM

DDH SERIES / PHOTOMETRIC DATA



ALxxx16LX-140L-35K-EX-AL16-BC16-PP

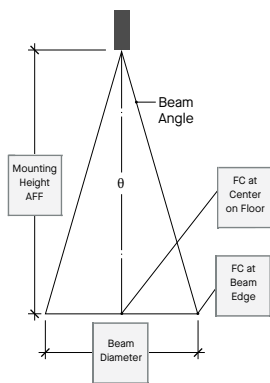
CANDLEPOWER CURVE	INTENSITY	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES BASED ON IES BEAM ANGLE				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT									
			Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4					
	0.00°	0.00°	0° - 10°	565	6%	10.0'	61 fc	12.7'	30 fc	22'	12" *	49	0.67	40	0.67	
	5.00°	6.074	0° - 20°	1,881	21%	12.0'	42 fc	15.2'	21 fc	26'	14" **	42	0.58	25	0.42	
	10.00°	5.442	0° - 30°	3,570	40%	14.0'	31 fc	17.8'	15 fc	32'	16" ***	32	0.44	26	0.44	
	15.00°	4.652	0° - 40°	5,337	60%	16.0'	24 fc	20.3'	12 fc	Delivered Illuminance Rating: (DIR)						
	20.00°	4.112	0° - 60°	7,950	90%	20.0'	15 fc	25.4'	7 fc	73 FC per W/Sq. Ft.						
	30.00°	3.260	0° - 80°	8,831	99%	24.0'	11 fc	30.5'	5 fc	60 FC per W/Sq. Ft.						
	40.00°	2,438	0° - 90°	8,879	100%	28.0'	8 fc	35.6'	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 -8% ** Exceeds spacing criteria by -15% *** Exceeds spacing criteria by -25%						
	50.00°	1,654	Total	8,879	100%	32.0'	6 fc	40.7'	3 fc	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						
	60.00°	852														
	70.00°	425														
	80.00°	144														
	90.00°	0														

ALxxx16LX-140L-35K-EX-AL16-BC16-PC

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°	0.00°	0° - 10°	618	7%	10.0'	64 fc	14.3'	31 fc	22'	20" *	24	0.30	20	0.30	
	5.00°	6.421	0° - 20°	2,291	24%	12.0'	45 fc	17.2'	22 fc	26'	22" **	15	0.19	12	0.19	
	10.00°	6.310	0° - 30°	4,657	50%	14.0'	33 fc	20.1'	16 fc	32'	24" ***	14	0.17	16	0.25	
	15.00°	5.998	0° - 40°	6,743	72%	16.0'	25 fc	22.9'	12 fc	Delivered Illuminance Rating: (DIR)						
	20.00°	5.500	0° - 60°	8,537	91%	20.0'	16 fc	28.6'	8 fc	79 FC per W/Sq. Ft.						
	30.00°	4.787	0° - 80°	9,350	100%	24.0'	11 fc	34.4'	5 fc	66 FC per W/Sq. Ft.						
	40.00°	1,854	0° - 90°	9,380	100%	28.0'	8 fc	40.1'	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 15% ** Exceeds spacing criteria by 1% *** Exceeds spacing criteria by -16%						
	50.00°	1,065	Total	9,380	100%	32.0'	6 fc	45.8'	3 fc	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						
	60.00°	733														
	70.00°	386														
	80.00°	95														
	90.00°	0														

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.

$$FC_H = CP \times (\cos \theta) \div D^2$$

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

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

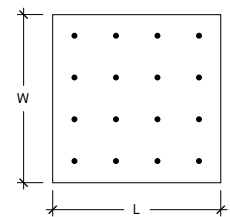
MULTIPLE UNITS

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 = Chart Spacing² ÷ Different Spacing² x Chart FC

- To estimate Sq. Ft. per fixture for a specific target FC:
Sq. Ft. / Fixture = Chart FC x Chart Spacing² ÷ Target FC



- To estimate Fixture Quantity in a room:
Fixture Qty. = Sq. Ft. of Rm. ÷ Sq. Ft. per fixture

- To estimate Watts/Sq. Ft.:
W/ Sq. Ft. = Luminaire Watts x Qty. ÷ Sq. Ft. of Rm.

