



16" Low/Mid/High Bay 13800 Lm

Extruded Industrial Housing



PREXL16LX & ALEXL16LX

APPLICATION

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

FEATURES

Extended Extruded Fixture Housing (EXL) designed for integral EM features a clean and modern design. 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.

ELECTRONICS

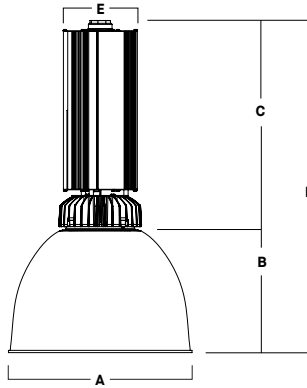
LED system features high brightness white Nichia LEDs. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers. LED module is 2 circuit with 2 drivers for multicircuit option.

CONSTRUCTION

Extruded and machined 6063-T5 aluminum housing. 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.



Dimensioned with **PRISMATIC**

SHADES	A	B	C	D	E
PRISMATIC	16.0 406.4 mm	10.8 374.3 mm	18.3 464.8 mm	29.1 739.1 mm	6.6 167.6 mm
ALUMINUM	16.0 406.4 mm	10.4 264.2 mm	18.2 462.3 mm	28.6 726.4 mm	6.6 167.6 mm

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS ¹	SYSTEM WATTS	LPW
PREXL16LX65L	7386	52	142
PREXL16LX100L	10510	80	131
PREXL16LX130L	13204	98	135
PREXL16LX140L	13815	107	129

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

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ²	SAFETY OPTIONS ³	MOUNTING ⁴	SHADE	ENCLOSURE OPTIONS	OPTIONS	FINISH ¹³	MOUNTING OPTION ¹⁵
PRISMATIC PREXL16LX	65L 7400 Lm 100L 10500 Lm 130L 13200 Lm 140L 13800 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 ⁵ Rigid Pendant CD ⁵ Cord / Cable HC ^{5/6/7} Mount NM2 ^{6/7/8} Hook & Cord NM3 ^{6/7/8} ½" NPT Hub ¾" NPT Hub	PRISMATIC PR16 16" Clear DF16 16" Diffuse OP16 16" Opal	TF3 - 6" Frosted Diffuser (CANNOT BE USED WITH DR OPTION) ACCESSORIES DR16D ⁹ 16" Spun Door BC16 16" Band Clamp RS16 ¹¹ 16" Refractor Shroud DR16DWAG ^{10,12} 16" Door with Wire Guard WAG16 ¹² 16" Wire Guard	SC2 Safety Cable Reflector to door 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	MW ¹⁴ Matte White MB ¹⁴ Matte Black PT ¹⁴ Platinum Silver CC Custom Color	FCHMA Field Cuttable Mounting Kit for Hang Mount Fixtures
ALUMINUM ALEXL16LX					EM. BATTERY OPTIONS EMIT 7W Emergency Battery Test Switch EMCR 10W Canopy Mounted EM EMRM 7W Remote EM EMEN 7W Remote with Enclosure	ALUMINUM AL16/MW ¹ Matte White Inside AL16/FC ¹ Fixture Color Inside				

EXAMPLE: PREXL16LX100L35KEX/CD36/PR16/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 Refractor 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 Cuttable Mounting Kit only Available with HM Stem



PROJECT: _____
 QUANTITY: _____ TYPE: _____



16" PRISMATIC & ALUMINUM EXL SERIES



SERIES TYPE

ALUMINUM

BOTTOM VIEW



ALEXL16LX MATTE WHITE WITH TF3

PRISMATIC

BOTTOM VIEW



PREXL16LX MATTE WHITE WITH TF3

STANDARD FINISHES

MW
MATTE WHITE

MB
MATTE BLACK

PT
PLATINUM SILVER



PREXL16LX HM MATTE WHITE

PREXL16LX HM MATTE BLACK

PREXL16LX HM PLATINUM SILVER

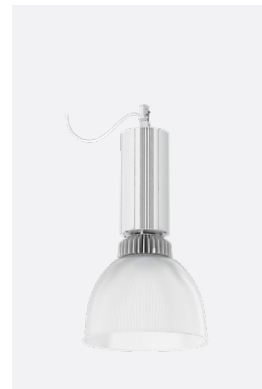
MOUNTING TYPES

HM / PM
HANG STRAIGHT / PENDANT

CD
CORD / CABLE MOUNT

HC
HOOK CORD

NM
NO MOUNT



PREXL16LX SHOWN WITH PM

PREXL16LX SHOWN WITH CD

PREXL16LX SHOWN WITH HC

PREXL16LX 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

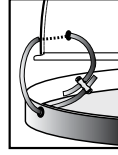
SC1 - Safety Cable

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

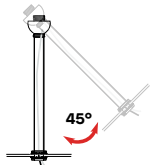
WAG16-16" Wire Guard



MOUNTING TYPES

HM* - Hang Straight

45° SWIVEL 5/8" OD STEM - 3/8" IP

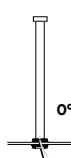


ORDER: **HM** (Length)
 SPECIFY LENGTH:
HM3 - 3" **HM24** - 24"
HM6 - 6" **HM36** - 36"
HM12 - 12" **HM48** - 48"
HM18 - 18" **HM72** - 72"
HMLC(XX)
 Custom Length
 (Specify in Inches)

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.

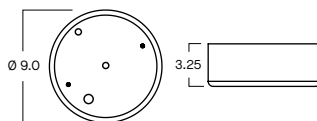
MOUNTING OPTION

FCHMA - Field Cuttable Mounting Kit For Hang Mount Fixtures



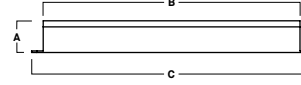
EMERGENCY BATTERY OPTIONS

EMCR - Large Driver Canopy For 10W Emergency Battery



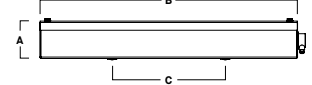
REMOTE EMERGENCY BATTERY OPTIONS

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

EXT 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
	0°	0° - 10° 1405 10%	Mounting Distance	Ceiling Height
	0° 15698	0° - 20° 4980 36%	FC at Beam Center	Fixture Spacing
	5° 15222	0° - 30° 9269 67%	Diameter at Beam Angle	RCR 2
	15° 12753	0° - 40° 12000 87%	FC at Beam Edge	RCR 4
	25° 9542	0° - 60° 13304 96%		FC *
	35° 4331	0° - 80° 13656 99%		W/Sq. Ft.
	45° 1051	0° - 90° 13687 99%		FC *
	55° 394	Total 13815 100%		W/Sq. Ft.
	90° 22			FC *
				W/Sq. Ft.
				W/Sq. Ft.

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
	0°	0° - 10° 1249 10%	Mounting Distance	Ceiling Height
	0° 13518	0° - 20° 4353 35%	FC at Beam Center	Fixture Spacing
	5° 13233	0° - 30° 8090 65%	Diameter at Beam Angle	RCR 2
	15° 11172	0° - 40° 10495 84%	FC at Beam Edge	RCR 4
	25° 8386	0° - 60° 11707 94%		FC *
	35° 3772	0° - 80° 12174 97%		W/Sq. Ft.
	45° 947	0° - 90° 12281 98%		FC *
	55° 369	Total 12492 100%		W/Sq. Ft.
	90° 63			FC *
				W/Sq. Ft.
				W/Sq. Ft.

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
	0°	0° - 10° 832 6%	Mounting Distance	Ceiling Height
	0° 8806	0° - 20° 3031 22%	FC at Beam Center	Fixture Spacing
	5° 8705	0° - 30° 6122 44%	Diameter at Beam Angle	RCR 2
	15° 7850	0° - 40° 8595 62%	FC at Beam Edge	RCR 4
	25° 6877	0° - 60° 10849 78%		FC *
	35° 3999	0° - 80° 12458 89%		W/Sq. Ft.
	45° 1523	0° - 90° 12965 93%		FC *
	55° 1182	Total 13934 100%		W/Sq. Ft.
	90° 385			FC *
				W/Sq. Ft.
				W/Sq. Ft.

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

EXL 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 at 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 at 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>Delivered Lumens: 12420 Luminaire Watts: 107 LER: 116.07</p>	<p>CP at 0° (Nadir): 7728</p>	<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>																																																															
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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																																																																
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26'	18'	34	0.33	43	0.48																																																															
32'	20'	29	0.28	25	0.28																																																															
0.00° 14,505	0° - 20° 5,025 38%	<p>Delivered Lumens: 13,221 Luminaire Watts: 126 LER: 104.93</p>	<p>CP at 0deg (Nadir): 14,505</p>	<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																																																																				



16" ALUMINUM

EXL 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																																																																
	0°	0° - 10° 767 7%	<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>125 fc</td><td>11.6'</td><td>33 fc</td></tr> <tr><td>10'</td><td>80 fc</td><td>14.5'</td><td>21 fc</td></tr> <tr><td>12'</td><td>56 fc</td><td>17.3'</td><td>15 fc</td></tr> <tr><td>14'</td><td>41 fc</td><td>20.2'</td><td>11 fc</td></tr> <tr><td>16'</td><td>31 fc</td><td>23.1'</td><td>8 fc</td></tr> <tr><td>20'</td><td>20 fc</td><td>28.9'</td><td>5 fc</td></tr> <tr><td>24'</td><td>14 fc</td><td>34.7'</td><td>4 fc</td></tr> <tr><td>28'</td><td>10 fc</td><td>40.5'</td><td>3 fc</td></tr> </tbody> </table>	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	8'	125 fc	11.6'	33 fc	10'	80 fc	14.5'	21 fc	12'	56 fc	17.3'	15 fc	14'	41 fc	20.2'	11 fc	16'	31 fc	23.1'	8 fc	20'	20 fc	28.9'	5 fc	24'	14 fc	34.7'	4 fc	28'	10 fc	40.5'	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>84</td><td>0.99</td></tr> <tr><td>22'</td><td>14'</td><td>57</td><td>0.57</td><td>48</td><td>0.57</td></tr> <tr><td>26'</td><td>18'</td><td>37</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	84	0.99	22'	14'	57	0.57	48	0.57	26'	18'	37	0.37	31	0.37
	Mounting Distance	FC at Beam Center		Diameter at Beam Angle	FC at Beam Edge																																																															
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26'	18'	37	0.37	31	0.37																																																															
0° 8022	0° - 20° 2819 25%	8' 125 fc 11.6' 33 fc	18' 12' 70 0.68 84 0.99																																																																	
5° 7988	0° - 30° 5730 50%	10' 80 fc 14.5' 21 fc	22' 14' 57 0.57 48 0.57																																																																	
15° 7309	0° - 40° 8363 73%	12' 56 fc 17.3' 15 fc	26' 18' 37 0.37 31 0.37																																																																	
25° 6296	0° - 60° 10361 91%	14' 41 fc 20.2' 11 fc	Delivered Illuminance Rating: (DIR) 102 FC per W/Sq. Ft. 85 FC per W/Sq. Ft.																																																																	
35° 4414	0° - 80° 11318 99%	16' 31 fc 23.1' 8 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° 1312	0° - 90° 11382 100%	20' 20 fc 28.9' 5 fc																																																																		
55° 978	Total 11400 100%	24' 14 fc 34.7' 4 fc																																																																		
90° 3		28' 10 fc 40.5' 3 fc																																																																		
Delivered Lumens: 11400 Luminaire Watts: 107 LER: 106.54	CP at 0° (Nadir): 8022 CRI: 80+	Beam Angle: 72° Spacing Ratio: 1.09 Melanopic Ratio 0.55	Lumen Multiplier: 130L x .940 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949																																																																	

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																																																																
	0°	0° - 10° 674 7%	<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>111 fc</td><td>11.5'</td><td>30 fc</td></tr> <tr><td>10'</td><td>71 fc</td><td>14.3'</td><td>19 fc</td></tr> <tr><td>12'</td><td>49 fc</td><td>17.2'</td><td>13 fc</td></tr> <tr><td>14'</td><td>36 fc</td><td>20.0'</td><td>10 fc</td></tr> <tr><td>16'</td><td>28 fc</td><td>22.9'</td><td>7 fc</td></tr> <tr><td>20'</td><td>18 fc</td><td>28.6'</td><td>5 fc</td></tr> <tr><td>24'</td><td>12 fc</td><td>34.4'</td><td>3 fc</td></tr> <tr><td>28'</td><td>9 fc</td><td>40.1'</td><td>2 fc</td></tr> </tbody> </table>	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	8'	111 fc	11.5'	30 fc	10'	71 fc	14.3'	19 fc	12'	49 fc	17.2'	13 fc	14'	36 fc	20.0'	10 fc	16'	28 fc	22.9'	7 fc	20'	18 fc	28.6'	5 fc	24'	12 fc	34.4'	3 fc	28'	9 fc	40.1'	2 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>61</td><td>0.68</td><td>74</td><td>0.99</td></tr> <tr><td>22'</td><td>14'</td><td>51</td><td>0.57</td><td>42</td><td>0.57</td></tr> <tr><td>26'</td><td>18'</td><td>33</td><td>0.37</td><td>27</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'	61	0.68	74	0.99	22'	14'	51	0.57	42	0.57	26'	18'	33	0.37	27	0.37
	Mounting Distance	FC at Beam Center		Diameter at Beam Angle	FC at Beam Edge																																																															
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0° 7117	0° - 20° 2470 24%	8' 111 fc 11.5' 30 fc	18' 12' 61 0.68 74 0.99																																																																	
5° 7053	0° - 30° 4986 49%	10' 71 fc 14.3' 19 fc	22' 14' 51 0.57 42 0.57																																																																	
15° 6403	0° - 40° 7278 72%	12' 49 fc 17.2' 13 fc	26' 18' 33 0.37 27 0.37																																																																	
25° 5460	0° - 60° 9158 91%	14' 36 fc 20.0' 10 fc	Delivered Illuminance Rating: (DIR) 90 FC per W/Sq. Ft. 75 FC per W/Sq. Ft.																																																																	
35° 3740	0° - 80° 10008 99%	16' 28 fc 22.9' 7 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° 1357	0° - 90° 10066 100%	20' 18 fc 28.6' 5 fc																																																																		
55° 881	Total 10087 100%	24' 12 fc 34.4' 3 fc																																																																		
90° 5		28' 9 fc 40.1' 2 fc																																																																		
Delivered Lumens: 10087 Luminaire Watts: 107 LER: 94.27	CP at 0° (Nadir): 7117 CRI: 80+	Beam Angle: 71° Spacing Ratio: 1.05 Melanopic Ratio 0.52	Lumen Multiplier: 130L x .890 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949																																																																	

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																																																																
	0.00°	0° - 10° 736 6%	<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>76 fc</td><td>15.0'</td><td>37 fc</td></tr> <tr><td>12.0'</td><td>53 fc</td><td>18.0'</td><td>26 fc</td></tr> <tr><td>14.0'</td><td>39 fc</td><td>21.0'</td><td>19 fc</td></tr> <tr><td>16.0'</td><td>30 fc</td><td>24.0'</td><td>14 fc</td></tr> <tr><td>20.0'</td><td>19 fc</td><td>30.0'</td><td>9 fc</td></tr> <tr><td>24.0'</td><td>13 fc</td><td>36.0'</td><td>6 fc</td></tr> <tr><td>28.0'</td><td>10 fc</td><td>42.0'</td><td>5 fc</td></tr> <tr><td>32.0'</td><td>7 fc</td><td>48.0'</td><td>4 fc</td></tr> </tbody> </table>	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	10.0'	76 fc	15.0'	37 fc	12.0'	53 fc	18.0'	26 fc	14.0'	39 fc	21.0'	19 fc	16.0'	30 fc	24.0'	14 fc	20.0'	19 fc	30.0'	9 fc	24.0'	13 fc	36.0'	6 fc	28.0'	10 fc	42.0'	5 fc	32.0'	7 fc	48.0'	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>22'</td><td>20'</td><td>29</td><td>0.30</td><td>24</td><td>0.30</td></tr> <tr><td>26'</td><td>22''</td><td>18</td><td>0.19</td><td>15</td><td>0.19</td></tr> <tr><td>32'</td><td>24'''</td><td>17</td><td>0.17</td><td>20</td><td>0.25</td></tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	22'	20'	29	0.30	24	0.30	26'	22''	18	0.19	15	0.19	32'	24'''	17	0.17	20	0.25
	Mounting Height AFF	FC at Center on Floor		Beam Diameter	FC at Beam Edge																																																															
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26'	22''	18	0.19	15	0.19																																																															
32'	24'''	17	0.17	20	0.25																																																															
7,638	0° - 20° 2,739 23%	10.0' 76 fc 15.0' 37 fc	22' 20' 29 0.30 24 0.30																																																																	
5,00° 7,638	0° - 30° 5,572 48%	12.0' 53 fc 18.0' 26 fc	26' 22'' 18 0.19 15 0.19																																																																	
10.00° 7,520	0° - 40° 8,316 71%	14.0' 39 fc 21.0' 19 fc	32' 24''' 17 0.17 20 0.25																																																																	
15.00° 7,177	0° - 60° 10,456 90%	16.0' 30 fc 24.0' 14 fc	Delivered Illuminance Rating: (DIR) 98 FC per W/Sq. Ft. 81 FC per W/Sq. Ft.																																																																	
20.00° 6,600	0° - 80° 11,572 99%	20.0' 19 fc 30.0' 9 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 -17%																																																																	
30.00° 5,789	0° - 90° 11,669 100%	24.0' 13 fc 36.0' 6 fc																																																																		
40.00° 2,585	Total 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																																																																				
70.00° 549																																																																				
80.00° 226																																																																				
90.00° 0																																																																				
Delivered Lumens: 11,669 Luminaire Watts: 111.89 LER: 104.29	CP at 0deg (Nadir): 7,638 CRI: 85	Beam Angle: 73.56 Spacing Ratio: 1.13	Lamp Multiplier: 67L 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

EXL 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%	Mounting Height AFF	<table border="1"> <thead> <tr> <th colspan="2">Ceiling Height</th> <th colspan="2">RCR 2</th> <th colspan="2">RCR 4</th> </tr> <tr> <th>Fixture Spacing</th> <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> </tbody> </table>	Ceiling Height		RCR 2		RCR 4		Fixture Spacing	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
	Ceiling Height		RCR 2		RCR 4																												
	Fixture Spacing	FC *	W/Sq. Ft.	FC *	W/Sq. Ft.																												
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	26'	24' **	14	0.19	11	0.19																											
	32'	28' ***	8	0.11	7	0.11																											
	0.00° 3.096	0° - 20° 1,640 19%	FC at Center on Floor	Delivered Illuminance Rating: (DIR)																													
	5.00° 3.411	0° - 30° 3,889 44%	Beam Diameter	73 FC per W/Sq. Ft.																													
	10.00° 3.935	0° - 40° 6,080 69%	FC at Beam Edge	60 FC per W/Sq. Ft.																													
	15.00° 4.533	0° - 60° 7,937 91%		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%																													
	20.00° 4.932	0° - 80° 8,708 99%																															
	30.00° 4.480	0° - 90° 8,766 100%																															
	40.00° 2,353	Total 8,766 100%																															
50.00° 948																																	
60.00° 664																																	
70.00° 373																																	
80.00° 134																																	
90.00° 0																																	
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%	Mounting Height AFF	<table border="1"> <thead> <tr> <th colspan="2">Ceiling Height</th> <th colspan="2">RCR 2</th> <th colspan="2">RCR 4</th> </tr> <tr> <th>Fixture Spacing</th> <th>FC *</th> <th>W/Sq. Ft.</th> <th>FC *</th> <th>W/Sq. Ft.</th> </tr> </thead> <tbody> <tr> <td>22'</td> <td>12' *</td> <td>47</td> <td>0.67</td> <td>37</td> <td>0.67</td> </tr> <tr> <td>26'</td> <td>14' **</td> <td>40</td> <td>0.58</td> <td>23</td> <td>0.42</td> </tr> <tr> <td>32'</td> <td>16' ***</td> <td>31</td> <td>0.44</td> <td>24</td> <td>0.44</td> </tr> </tbody> </table>	Ceiling Height		RCR 2		RCR 4		Fixture Spacing	FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	22'	12' *	47	0.67	37	0.67	26'	14' **	40	0.58	23	0.42	32'	16' ***	31	0.44	24	0.44
	Ceiling Height		RCR 2		RCR 4																												
	Fixture Spacing	FC *	W/Sq. Ft.	FC *	W/Sq. Ft.																												
	22'	12' *	47	0.67	37	0.67																											
	26'	14' **	40	0.58	23	0.42																											
	32'	16' ***	31	0.44	24	0.44																											
	0.00° 4.108	0° - 20° 1,224 13%	FC at Center on Floor	Delivered Illuminance Rating: (DIR)																													
	20.00° 2,800	0° - 30° 2,415 27%		70 FC per W/Sq. Ft.																													
	40.00° 2,068	0° - 40° 3,779 42%		55 FC per W/Sq. Ft.																													
	60.00° 1,133	0° - 60° 7,065 78%		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%																													
	80.00° 437	0° - 80° 8,395 92%																															
	90.00° 264	0° - 90° 8,774 96%																															
	100.00° 142	Total 9,106 100%																															
110.00° 44																																	
120.00° 0																																	
140.00° 0																																	
160.00° 0																																	
180.00° 0																																	
Delivered Lumens: 9,106 Luminaire Watts: 111.89 LER: 81.38	CP at 0deg (Nadir): 4.108 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-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%	Mounting Height AFF	<table border="1"> <thead> <tr> <th colspan="2">Ceiling Height</th> <th colspan="2">RCR 2</th> <th colspan="2">RCR 4</th> </tr> <tr> <th>Fixture Spacing</th> <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>19</td> <td>0.30</td> <td>15</td> <td>0.30</td> </tr> <tr> <td>26'</td> <td>22' **</td> <td>12</td> <td>0.19</td> <td>10</td> <td>0.19</td> </tr> <tr> <td>32'</td> <td>24' ***</td> <td>11</td> <td>0.17</td> <td>13</td> <td>0.25</td> </tr> </tbody> </table>	Ceiling Height		RCR 2		RCR 4		Fixture Spacing	FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	22'	20' *	19	0.30	15	0.30	26'	22' **	12	0.19	10	0.19	32'	24' ***	11	0.17	13	0.25
	Ceiling Height		RCR 2		RCR 4																												
	Fixture Spacing	FC *	W/Sq. Ft.	FC *	W/Sq. Ft.																												
	22'	20' *	19	0.30	15	0.30																											
	26'	22' **	12	0.19	10	0.19																											
	32'	24' ***	11	0.17	13	0.25																											
	0.00° 3.174	0° - 20° 1,147 14%	FC at Center on Floor	Delivered Illuminance Rating: (DIR)																													
	5.00° 3.155	0° - 30° 2,392 29%	Beam Diameter	64 FC per W/Sq. Ft.																													
	10.00° 3,094	0° - 40° 3,847 47%	FC at Beam Edge	50 FC per W/Sq. Ft.																													
	15.00° 2,993	0° - 60° 6,596 81%		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%																													
	20.00° 2,865	0° - 80° 8,035 99%																															
	30.00° 2,524	0° - 90° 8,124 100%																															
	40.00° 2,115	Total 8,124 100%																															
50.00° 1,674																																	
60.00° 1,200																																	
70.00° 707																																	
80.00° 239																																	
90.00° 0																																	
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 0.71, 130L x 0.93 CCT Multiplier: 40K x 1.03, 30K x 0.979, 27K x 0.959																														



16" ALUMINUM

EXL 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° - 10°	565	6%												
	0.00°	0° - 10°	565	6%												
	5.00°	0° - 20°	1,881	21%												
	10.00°	0° - 30°	3,570	40%												
	15.00°	0° - 40°	5,337	60%												
	20.00°	0° - 60°	7,950	90%												
	30.00°	0° - 80°	8,831	99%												
	40.00°	0° - 90°	8,879	100%												
	50.00°	0° - 90°	8,879	100%												
	60.00°	0° - 90°	8,879	100%												
	70.00°	0° - 90°	8,879	100%												
	80.00°	0° - 90°	8,879	100%												
90.00°	0° - 90°	8,879	100%													
Delivered Lumens: 8,879 Luminaire Watts: 111.89 LER: 79.35	CP at 0deg (Nadir): 6,074 CRI: 85	Beam Angle: 65.17 Spacing Ratio: 0.84	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-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° - 10°	618	7%												
	0.00°	0° - 10°	618	7%												
	5.00°	0° - 20°	2,291	24%												
	10.00°	0° - 30°	4,657	50%												
	15.00°	0° - 40°	6,743	72%												
	20.00°	0° - 60°	8,537	91%												
	30.00°	0° - 80°	9,350	100%												
	40.00°	0° - 90°	9,380	100%												
	50.00°	0° - 90°	9,380	100%												
	60.00°	0° - 90°	9,380	100%												
	70.00°	0° - 90°	9,380	100%												
	80.00°	0° - 90°	9,380	100%												
90.00°	0° - 90°	9,380	100%													
Delivered Lumens: 9,380 Luminaire Watts: 111.89 LER: 83.83	CP at 0deg (Nadir): 6,421 CRI: 85	Beam Angle: 71.19 Spacing Ratio: 1.12	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													

HOW TO USE PERFORMANCE DATA

<h4>SINGLE UNIT</h4> <p>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.</p> $FC_H = CP \times (\cos \theta) \div D^2$ <p>Beam Diam. = $\frac{1}{2}$ Beam Angle (Tan) x 2D</p> <ul style="list-style-type: none"> - 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 	<h4>MULTIPLE UNITS</h4> <p>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.</p> <p>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.</p> <ul style="list-style-type: none"> - 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: $\text{Sq. Ft.} / \text{Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$ <p>- To estimate Fixture Quantity in a room: $\text{Fixture Qty.} = \text{Sq. Ft. of Rm.} \div \text{Sq. Ft. per fixture}$</p> <p>- To estimate Watts/Sq. Ft.: $\text{W/ Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}$</p>
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