



# 16" ALUMINUM DDH SERIES



## ALDDH16LX

### QUICK SHIP

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

### APPLICATION

16" Lumen Max LX series performance pendant for low and mid-bay applications. 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. Posi-lock reflector retention ring will absorb shocks and impacts. Optional safety cable. Variety of optical lenses and mounting methods.

### FINISH

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

### ELECTRONICS

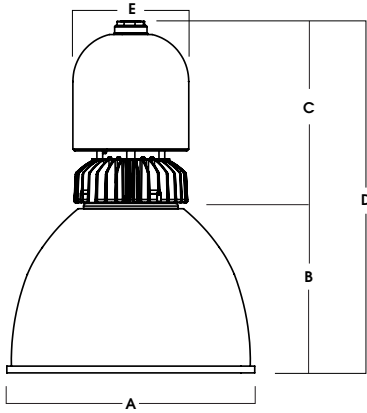
LED system features high brightness white Nichia LEDs. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers. LED module is 2 circuit with 2 drivers for multicircuit option as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



A	B	C	D	E
16.0	10.5	11.5	22.0	7.5
406.4 mm	266.7 mm	292.1 mm	558.8 mm	190.5 mm

Fixture Weight: 10.5 lbs

PART NUMBER	LUMENS / WATTAGE DATA			
	SOURCE LUMENS <sup>1</sup>	DELIVERED LUMENS <sup>2</sup>	SYSTEM WATTS	LPW
ALDDH16LX65L	6500	5495	56	98
ALDDH16LX100L	10000	8243	81	102
ALDDH16LX130L	13000	10844	140	104
ALDDH16LX140L	14000	11677	112	104

SERIES	LUMENS <sup>1</sup>	CCT	DRIVER / DIMMING <sup>3</sup>	OPTIONS <sup>4</sup>	MOUNTING <sup>5</sup>	REFLECTOR	DIFFUSER OPTIONS	GUARD OPTION	FINISH <sup>10</sup>
ALDDH16LX	65L 6500 Lm	27K 2700K	EX Electronic Driver, 120V/277V DS10X 10%, 0-10V, 120V/277V DO10X 1%, 0-10V, 120V/277V DO103 1%, 0-10V, 347V	SAFETY OPTIONS FS Fusing 2CIR 2 Circuit SC1 Safety Cable Reflector to door SC2 Safety Cable Reflector to door	HM <sup>6</sup> Hang Straight AT <sup>7</sup> Hang Straight All Thread PM <sup>8</sup> Rigid Pendant CD <sup>9</sup> Cord / Cable Mount CD72 72" Cord / Cable Mount HC <sup>9</sup> Hook & Cord NM2 <sup>7</sup> 1/2" NPT Hub NM3 <sup>7</sup> 3/4" NPT Hub EMERGENCY BATTERY OPTIONS EMCR 10W Canopy Mounted EM EMRM 7W Remote EM EMEN 7W Remote with Enclosure	AL16/MWI <sup>11</sup> Matte White Inside AL16/FCI Fixture Color Inside	TF3 - 6" Frosted Diffuser (CANNOT BE USED WITH DR OPTION) DOOR DR16D <sup>7</sup> 16" Spun Door LENS CNFR Conical Frosted Lens CN Conical Lens DL Drop Lens FO White Optical Acrylic PP Prismatic Polycarbonate PC Clear Polycarbonate	WAG16 16" Wire Guard (CANNOT BE USED WITH DR OPTION)	MW <sup>11</sup> Matte White MB <sup>11</sup> Matte Black PT <sup>11</sup> Platinum Silver CC Custom Color  See Page 7 for Full Range of Color Options (83-90081)
	100L 10000 Lm	30K 3000K							
	130L 13000 Lm	35K 3500K							
	140L 14000 Lm	40K 4000K							

### QUICK SHIP

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

**NOTES:**  
 1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens at 35K with AL16 3 Contact Factory for Additional Options 4 See Product Options Page For Details 5 See Mounting Page for Details on Components and Finishes 6 Specify Length in Inches. See Mounting Page for Available Lengths 7 Mounting Supplied by Others 8 Reflector Finished Matte White with Finish Color Out 9 Same Finish as Housing 10 See Color Page for More Options / Consult Factory for Special Finishes 11 Standard Finishes



PROJECT: \_\_\_\_\_  
 TYPE: \_\_\_\_\_



Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

# 16" ALUMINUM

## DDH SERIES / FIXTURE OPTIONS

### STANDARD FINISHES

**MW**  
MATTE WHITE



**MB**  
MATTE BLACK

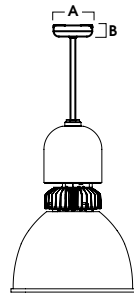


**PT**  
PLATINUM SILVER



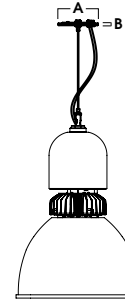
### MOUNTING TYPES

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



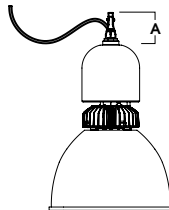
A	B
5.0	1.5
127.0 mm	38.1 mm

**CD**  
CORD / CABLE MOUNT



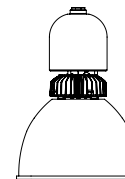
A	B
5.0	.25
127.0 mm	6.35 mm

**HC**  
HOOK CORD



A
4.0
101.6 mm

**NM**  
NO MOUNT



# MOUNTING & ACCESSORIES


SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES. CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION. NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.



## ADDITIONS


**FS - FUSING**

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



**LSP10 - SM - SURGE PROTECTOR**

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



## SAFETY CABLE OPTIONS

**SC1 - SAFETY CABLE**

1/16" stainless steel safety cable for added support. Standard kit is 18" and double barrel locks are provided. Approved for California seismic requirements. Rated at 50 lbs.



**SC2 - SAFETY CABLE**


1/16" Stainless steel cable holds door to fixture



## OPTIONS


**DIFFUSER**

**TF3-6"** Frosted Diffuser



**DOOR**

**DR16D-16"** Spun Door




DR16D SHOWN WITH CN

**LENSES**

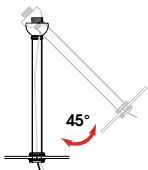
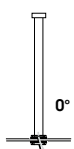
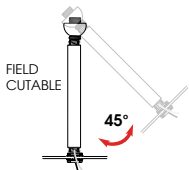
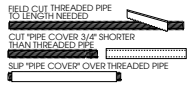

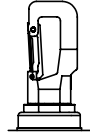

**CNFR**-Conical Frosted Lens  
**CN**-Conical Lens  
**DL**-Drop Lens  
**FO**-White Optical Acrylic  
**PP**-Prismatic Polycarbonate  
**PC**-Clear Polycarbonate

**GUARD OPTION**

**WAG16-16"** Wire Guard



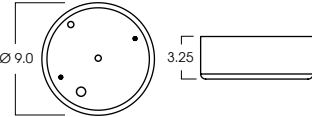
## MOUNTING TYPES

<p><b>HM*</b> HANG STRAIGHT 45° SWIVEL 5/8" OD STEM - 3/8" IP</p>  <p>ORDER: <b>HM</b> (Length) SPECIFY LENGTH:  <b>HM3 - 3"</b>    <b>HM24 - 24"</b>  <b>HM6 - 6"</b>    <b>HM36 - 36"</b>  <b>HM12 - 12"</b>   <b>HM48 - 48"</b>  <b>HM18 - 18"</b>   <b>HM72 - 72"</b>  <b>HMLC(XX)</b>                  Custom Length                  (Specify in Inches)</p>	<p><b>PM*</b> RIGID PENDANT MOUNT RIGID 5/8" OD STEM - 3/8" IP</p>  <p>ORDER: <b>PM</b> (Length) SPECIFY LENGTH:  <b>PM3 - 3"</b>    <b>PM24 - 24"</b>  <b>PM6 - 6"</b>    <b>PM36 - 36"</b>  <b>PM12 - 12"</b>   <b>PM48 - 48"</b>  <b>PM18 - 18"</b>   <b>PM72 - 72"</b>  <b>PMLC(XX)</b>                  Custom Length                  (Specify in Inches)</p>	<p><b>AT**</b> HANG STRAIGHT ALL THREAD 45° SWIVEL 5/8" OD STEM - 1/4" IP</p>  <p>ORDER: <b>AT</b> (Length) SPECIFY LENGTH:  <b>AT12 - 12"</b>  <b>AT24 - 24"</b>  <b>AT36 - 36"</b></p>  <p style="font-size: x-small;">FIELD CUT THREADED PIPE TO LENGTH NEEDED                  CUT PIPE COVER 3/4" SHORTER THAN THREADED PIPE                  SLIP PIPE COVER OVER THREADED PIPE</p>	<p><b>CD</b> CORD / CABLE MOUNT SJ CORD WITH 1/16 SS CABLE</p>  <p>ORDER: <b>CD</b> (Length) SPECIFY LENGTH:  <b>CD36 - 36"</b>  <b>CD72 - 72"</b>  <b>CD144 - 144"</b>  <b>CDLC(XX)</b>                  Custom Length                  (Specify in Inches)</p>	<p><b>HC</b> HOOK &amp; CORD FOR INDEPENDENT MOUNTING</p>  <p>ORDER: <b>HC</b> (Length) SPECIFY LENGTH:  <b>HC36 - 36"</b>  <b>HC72 - 72"</b>  <b>HC144 - 144"</b>  <b>HCLC(XX)</b>                  Custom Length                  (Specify in Inches)</p>	<p><b>NMX</b> 1/2" NPT Hub 3/4" NPT Hub FOR INDEPENDENT MOUNTING</p>  <p>ORDER: <b>NMX</b> (Length) SPECIFY LENGTH:  <b>NM2(12)</b> - 12" Leads are Standard  <b>NM3(12)</b> - 12" Leads are Standard  <b>NMXLC(XX)</b>                  Custom Length                  (Specify in Inches)</p>
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\*MAXIMUM ONE PIECE STEM LENGTH IS 72". \*\*MAXIMUM ONE PIECE STEM LENGTH IS 36". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

## EMERGENCY BATTERY OPTIONS

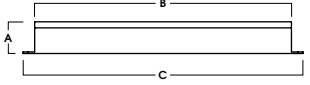
**EMCR - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY**



A	B	C
1.3	12.6	13.0

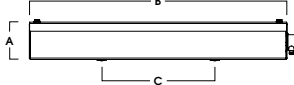
## REMOTE EMERGENCY BATTERY OPTIONS

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



A	B	C
1.3	12.6	13.0

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



A	B	C
2.0	17.0	6.2

\*OTHER EM BATTERY SIZES AVAILABLE. CONSULT FACTORY

# 16" ALUMINUM

## DDH SERIES / PHOTOMETRIC DATA



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 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> <tr> <td colspan="2">Delivered Illuminance Rating: (DIR)</td> <td colspan="2">98 FC per W/Sq. Ft.</td> <td colspan="2">81 FC per W/Sq. Ft.</td> </tr> <tr> <td colspan="6">                     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 14%                      ** Exceeds spacing criteria by -0%                      *** Exceeds spacing criteria by -17%                 </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	Delivered Illuminance Rating: (DIR)		98 FC per W/Sq. Ft.		81 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 14% ** Exceeds spacing criteria by -0% *** Exceeds spacing criteria by -17%					
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	0.00° 7,638	0° - 20°	2,739	23%		<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> </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			
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5.00° 7,638	0° - 30°	5,572	48%	CP at 0deg (Nadir): 7,638 CRI: 85																																									
10.00° 7,520	0° - 40°	8,316	71%	Beam Angle: 73.56 Spacing Ratio: 1.13																																									
15.00° 7,177	0° - 60°	10,456	90%	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																																									
20.00° 6,600	0° - 80°	11,572	99%																																										
30.00° 5,789	0° - 90°	11,669	100%																																										
40.00° 2,585	Total	11,669	100%																																										
50.00° 1,210																																													
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

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

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	0.00° 3,887	0° - 20°	1,697	19%		<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> </tr> </thead> <tbody> <tr> <td>10.0'</td> <td>39 fc</td> <td>17.1'</td> <td>18 fc</td> </tr> <tr> <td>12.0'</td> <td>27 fc</td> <td>20.5'</td> <td>13 fc</td> </tr> <tr> <td>14.0'</td> <td>20 fc</td> <td>23.9'</td> <td>9 fc</td> </tr> <tr> <td>16.0'</td> <td>15 fc</td> <td>27.3'</td> <td>7 fc</td> </tr> <tr> <td>20.0'</td> <td>10 fc</td> <td>34.1'</td> <td>5 fc</td> </tr> <tr> <td>24.0'</td> <td>7 fc</td> <td>41.0'</td> <td>3 fc</td> </tr> <tr> <td>28.0'</td> <td>5 fc</td> <td>47.8'</td> <td>2 fc</td> </tr> <tr> <td>32.0'</td> <td>4 fc</td> <td>54.6'</td> <td>2 fc</td> </tr> </tbody> </table>	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	10.0'	39 fc	17.1'	18 fc	12.0'	27 fc	20.5'	13 fc	14.0'	20 fc	23.9'	9 fc	16.0'	15 fc	27.3'	7 fc	20.0'	10 fc	34.1'	5 fc	24.0'	7 fc	41.0'	3 fc	28.0'	5 fc	47.8'	2 fc	32.0'	4 fc	54.6'	2 fc			
	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge																																									
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32.0'	4 fc	54.6'	2 fc																																										
5.00° 4,051	0° - 30°	3,757	41%	CP at 0deg (Nadir): 3,887 CRI: 85																																									
10.00° 4,318	0° - 40°	5,781	63%	Beam Angle: 80.91 Spacing Ratio: 1.35																																									
15.00° 4,575	0° - 60°	8,094	89%	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																																									
20.00° 4,704	0° - 80°	9,041	99%																																										
30.00° 4,051	0° - 90°	9,121	100%																																										
40.00° 2,427	Total	9,121	100%																																										
50.00° 1,316																																													
60.00° 822																																													
70.00° 453																																													
80.00° 166																																													
90.00° 1																																													

Delivered Lumens: 9,121  
Luminaire Watts: 111.89  
LER: 81.52

CP at 0deg (Nadir): 3,887  
CRI: 85

Beam Angle: 80.91  
Spacing Ratio: 1.35

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-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">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>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="2">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="6">                     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 -6%                      ** Exceeds spacing criteria by -18%                      *** Exceeds spacing criteria by -27%                 </td> </tr> </tbody> </table>	Ceiling Height	Fixture Spacing	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%					
	Ceiling Height	Fixture Spacing	RCR 2					RCR 4																																					
			FC +	W/Sq. Ft.		FC +	W/Sq. Ft.																																						
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	0.00° 3,096	0° - 20°	1,640	19%		<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> </tr> </thead> <tbody> <tr> <td>10.0'</td> <td>31 fc</td> <td>16.3'</td> <td>15 fc</td> </tr> <tr> <td>12.0'</td> <td>21 fc</td> <td>19.6'</td> <td>10 fc</td> </tr> <tr> <td>14.0'</td> <td>16 fc</td> <td>22.8'</td> <td>7 fc</td> </tr> <tr> <td>16.0'</td> <td>12 fc</td> <td>26.1'</td> <td>6 fc</td> </tr> <tr> <td>20.0'</td> <td>8 fc</td> <td>32.6'</td> <td>4 fc</td> </tr> <tr> <td>24.0'</td> <td>5 fc</td> <td>39.2'</td> <td>3 fc</td> </tr> <tr> <td>28.0'</td> <td>4 fc</td> <td>45.7'</td> <td>2 fc</td> </tr> <tr> <td>32.0'</td> <td>3 fc</td> <td>52.2'</td> <td>1 fc</td> </tr> </tbody> </table>	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	10.0'	31 fc	16.3'	15 fc	12.0'	21 fc	19.6'	10 fc	14.0'	16 fc	22.8'	7 fc	16.0'	12 fc	26.1'	6 fc	20.0'	8 fc	32.6'	4 fc	24.0'	5 fc	39.2'	3 fc	28.0'	4 fc	45.7'	2 fc	32.0'	3 fc	52.2'	1 fc			
	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge																																									
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28.0'	4 fc	45.7'	2 fc																																										
32.0'	3 fc	52.2'	1 fc																																										
5.00° 3,411	0° - 30°	3,889	44%	CP at 0deg (Nadir): 3,096 CRI: 85																																									
10.00° 3,935	0° - 40°	6,080	69%	Beam Angle: 78.35 Spacing Ratio: 1.51																																									
15.00° 4,533	0° - 60°	7,937	91%	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																																									
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

# 16" ALUMINUM

## DDH SERIES / PHOTOMETRIC DATA



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											
			Mounting Height AFF	FC at Center on Floor	Ceiling Height	Fixture Spacing	RCR 2		RCR 4							
	0.00°	0° - 10°	361	4%												
	0.00° 4,108	0° - 20°	1,224	13%	10.0'	41 fc	22'	12' *	47	0.67	37	0.67				
	20.00° 2,800	0° - 30°	2,415	27%	12.0'	29 fc	26'	14' **	40	0.58	23	0.42				
	40.00° 2,068	0° - 40°	3,779	42%	14.0'	21 fc	32'	16' ***	31	0.44	24	0.44				
	60.00° 1,133	0° - 60°	7,065	78%	16.0'	16 fc	Delivered Illuminance Rating: (DIR)		70 FC per W/Sq. Ft.		55 FC per W/Sq. Ft.					
	80.00° 437	0° - 80°	8,395	92%	20.0'	10 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%									
	90.00° 264	0° - 90°	8,774	96%	24.0'	7 fc										
	100.00° 142	Total	9,106	100%	28.0'	5 fc										
	110.00° 44				32.0'	4 fc										
	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

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									
			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°	303	4%												
	0.00° 3,174	0° - 20°	1,147	14%	10.0'	32 fc	25.4'	12 fc	22'	20' *	19	0.30	15	0.30		
	5.00° 3,155	0° - 30°	2,392	29%	12.0'	22 fc	30.5'	8 fc	26'	22' **	12	0.19	10	0.19		
	10.00° 3,094	0° - 40°	3,847	47%	14.0'	16 fc	35.6'	6 fc	32'	24' ***	11	0.17	13	0.25		
	15.00° 2,993	0° - 60°	6,596	81%	16.0'	12 fc	40.7'	5 fc	Delivered Illuminance Rating: (DIR)		64 FC per W/Sq. Ft.		50 FC per W/Sq. Ft.			
	20.00° 2,865	0° - 80°	8,035	99%	20.0'	8 fc	50.9'	3 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%							
	30.00° 2,524	0° - 90°	8,124	100%	24.0'	6 fc	61.0'	2 fc								
	40.00° 2,115	Total	8,124	100%	28.0'	4 fc	71.2'	1 fc								
	50.00° 1,674				32.0'	3 fc	81.4'	1 fc								
	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

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° 6,074	0° - 20°	1,881	21%	10.0'	61 fc	12.7'	30 fc	22'	12' *	49	0.67	40	0.67		
	5.00° 6,015	0° - 30°	3,570	40%	12.0'	42 fc	15.2'	21 fc	26'	14' **	42	0.58	25	0.42		
	10.00° 5,442	0° - 40°	5,337	60%	14.0'	31 fc	17.8'	15 fc	32'	16' ***	32	0.44	26	0.44		
	15.00° 4,652	0° - 60°	7,950	90%	16.0'	24 fc	20.3'	12 fc	Delivered Illuminance Rating: (DIR)		73 FC per W/Sq. Ft.		60 FC per W/Sq. Ft.			
	20.00° 4,112	0° - 80°	8,831	99%	20.0'	15 fc	25.4'	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 -8% ** Exceeds spacing criteria by -15% *** Exceeds spacing criteria by -25%							
	30.00° 3,260	0° - 90°	8,879	100%	24.0'	11 fc	30.5'	5 fc								
	40.00° 2,438	Total	8,879	100%	28.0'	8 fc	35.6'	4 fc								
	50.00° 1,654				32.0'	6 fc	40.7'	3 fc								
	60.00° 852															
	70.00° 425															
	80.00° 144															
	90.00° 0															

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

# 16" ALUMINUM

## DDH SERIES / PHOTOMETRIC DATA



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									
		0° - 10°	0° - 20°	0° - 30°	0° - 40°	0° - 60°	0° - 80°	0° - 90°	Total	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2	
	0.00°	0° - 10°	618	7%	10.0'	64 fc	14.3'	31 fc	22'	20'	24	0.30	20	0.30			
	0.00° 6,421	0° - 20°	2,291	24%	12.0'	45 fc	17.2'	22 fc	26'	22'	15	0.19	12	0.19			
	5.00° 6,413	0° - 30°	4,657	50%	14.0'	33 fc	20.1'	16 fc	32'	24'	14	0.17	16	0.25			
	10.00° 6,310	0° - 40°	6,743	72%	16.0'	25 fc	22.9'	12 fc	Delivered Illuminance Rating: (DIR)								
	15.00° 5,998	0° - 60°	8,537	91%	20.0'	16 fc	28.6'	8 fc	2' Suspension Length Square rooms used for multiple units:								
	20.00° 5,500	0° - 80°	9,350	100%	24.0'	11 fc	34.4'	5 fc	- RCR 2: Length & Width = Ceiling Ht. - 6.5' x 5.00								
	30.00° 4,787	0° - 90°	9,380	100%	28.0'	8 fc	40.1'	4 fc	- RCR 4: Length & Width = Ceiling Ht. - 6.5' x 2.50								
	40.00° 1,854	Total	9,380	100%	32.0'	6 fc	45.8'	3 fc	* Average Footcandles at 2.5' Above Floor								
	45.00° 1,065	CP at 0deg (Nadir): 6,421	Beam Angle: 71.19	Lamp Multiplier: 65L x 0.47, 100L x 0.71, 130L x 0.93	* Exceeds spacing criteria by 15%												
	50.00° 733	CRI: 85	Spacing Ratio: 1.12	CCT Multiplier: 40K x 1.03, 30K x 0.979, 27K x 0.959	** Exceeds spacing criteria by 1%												
	55.00° 500	Delivered Lumens: 9,380			*** Exceeds spacing criteria by -16%												
	60.00° 386	Luminaire Watts: 111.89															
	65.00° 250	LER: 83.83															
	70.00° 150																
80.00° 95																	
90.00° 0																	

# COLOR OPTIONS - POWDER COAT PAINT FINISHES

NOTE: NO PRINTED IMAGE CAN EQUAL THE EXACT COLOR OF FINISH ON METAL.  
SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.



## STANDARD CORD / STEM / CANOPY FINISHES

FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Gloss Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

## PAINT TIMES

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

\*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

## TIER 1 - STANDARD FINISHES



## TIER 2 - TYPICAL FINISHES



## CUSTOM COLOR FINISHES

CONTACT FACTORY

**CC**  
Custom Color



\*UNAVAILABLE FOR WET LOCATION