



16" ALUMINUM DDH SERIES



ALDDH16GV

QUICK SHIP

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

APPLICATION

16" Lumen Max GV series performance pendant for low, mid-bay and high-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. 80 CRI minimum. Consult factory for high CRI or special applications. LED module and driver designed for ease of maintenance and replacement. Posi-lock reflector retention ring will absorb shocks and impact. 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

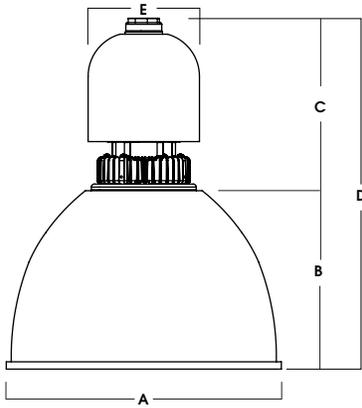
GV LED system features high brightness white Samsung LED's. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers.

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
16.0 406.4 mm	10.8 274.3 mm	9.7 246.4 mm	20.4 518.2 mm	6.5 165.1 mm

Fixture Weight: 7.4 lbs

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
ALDDH16GV15L	1500	1192	10	119
ALDDH16GV27L	2700	2080	18	116
ALDDH16GV37L	3700	3051	26	117
ALDDH16GV55L	5500	4494	39	115

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ³	OPTIONS ⁴	MOUNTING ⁵	REFLECTOR	DIFFUSER OPTIONS	FINISH ¹²
ALDDH16GV	15L 1500 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 SC1 Safety Cable SC2 Safety Cable, Reflector to Door	HM ⁶ Hang Straight AT ⁷ Hang Straight All Thread PM ⁸ Rigid Pendant CD ⁹ Cord / Cable Mount CD72 72" Cord / Cable Mount HC ^{10/18} Hook & Cord NM2 ^{11/12} 1/2" NPT Hub NM3 ^{11/12} 3/8" NPT Hub EMERGENCY BATTERY OPTIONS EMCR 10W Canopy Mounted EM EMRM 7W Remote EM EMEN 7W Remote with Enclosure	AL16/MWI ¹⁰ Matte White Inside AL16/FCI Fixture Color Inside	DOOR DR16D ¹¹ 16" Spun Door LENS CNFR Conical Frosted Lens CN Conical Lens DL Drop Lens FO White Optical Acrylic PP Prismatic PC Clear WAG16 16" Wire Guard	MW ¹³ Matte White MB ¹³ Matte Black PT ¹³ Platinum Silver CC Custom Color See Page 5 for Full Range of Color Options (83-90081)
	27L 2700 Lm	30K 3000K						
	37L 3700 Lm	35K 3500K						
	55L 5500 Lm	40K 4000K						

QUICK SHIP

EXAMPLE: ALDDH16GV15L27KEX/HM36/AL16/MWI/DR16DCN/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 Not Available with EMCR 9 12" Leads Unless Specified 10 Reflector Finished Matte White With Finish Color Out
 11 Same Finish as Housing 12 See Color Page for More Options/Consult Factory for Special Finishes 13 Standard Finishes



PROJECT: _____
 QUANTITY: _____ TYPE: _____



16" ALUMINUM

DDH SERIES / FIXTURE OPTIONS



STANDARD FINISHES

MW
MATTE WHITE



MB
MATTE BLACK

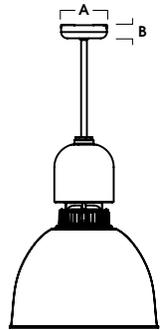


PT
PLATINUM SILVER



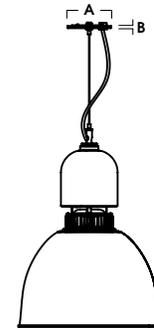
MOUNTING TYPES

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



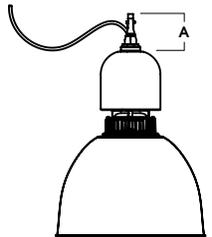
A	B
5.4	2.5
137.2 mm	63.5 mm

CD
CORD / CABLE MOUNT



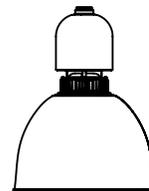
A	B
5.0	.25
127.0 mm	6.4 mm

HC
HOOK CORD



A
4.2
106.7 mm

NM
NO MOUNT



16" ALUMINUM

DDH SERIES / PHOTOMETRIC DATA



ALxxx16LEDGV-55L-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°	287	6%	Mounting Height AFF	FC at Center on Floor	Ceiling Height	Fixture Spacing	RCR 1		RCR 3	
	0.00°	0° - 20°	1,043	23%	8.0'	48 fc	17'	12'	FC +	W/Sq. Ft.	FC +	W/Sq. Ft.
	20.00°	0° - 30°	2,127	47%	10.0'	31 fc	21'	14'	24	0.20	23	0.23
	40.00°	0° - 40°	3,131	70%	12.0'	21 fc	25'	16'	18	0.15	15	0.15
	60.00°	0° - 60°	3,961	88%	14.0'	16 fc	Delivered Illuminance Rating: (DIR)		120 FC per W/Sq. Ft.		98 FC per W/Sq. Ft.	
	80.00°	0° - 80°	4,431	99%	16.0'	12 fc	3' Suspension Length Square rooms used for multiple units: - RCR 1: Length & Width = Ceiling Ht. - 5.5' x 10.00 - RCR 3: Length & Width = Ceiling Ht. - 5.5' x 3.33 + Average Footcandles at 2.5' Above Floor					
	90.00°	0° - 90°	4,490	100%	20.0'	8 fc	* Exceeds spacing criteria by -4%					
		Total	4,490	100%	24.0'	5 fc	** Exceeds spacing criteria by -17%					
					28.0'	4 fc	*** Exceeds spacing criteria by -25%					
	<p>Delivered Lumens: 4,490 Luminaire Watts: 39 LER: 115.13</p>	<p>CP at 0deg (Nadir): 3,056 CRI: 85+</p>	<p>Lamp Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68 CCT Multiplier: 50K x 1.06, 40K X 1.03, 30K X 0.985, 27K X 0.971</p>									

ALxxx16LEDGV-55L-35K-EX-AL16-xx16-FO90

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°	256	6%	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 1		RCR 3	
	5.00°	0° - 20°	974	25%	8.0'	41 fc	11.0'	20 fc	17'	12'	FC +	W/Sq. Ft.	FC +	W/Sq. Ft.
	10.00°	0° - 30°	1,932	49%	10.0'	26 fc	13.7'	13 fc	21'	14'	21	0.20	21	0.23
	15.00°	0° - 40°	2,736	69%	12.0'	18 fc	16.5'	9 fc	25'	16'	16	0.15	13	0.15
	20.00°	0° - 60°	3,631	92%	14.0'	13 fc	19.2'	7 fc	Delivered Illuminance Rating: (DIR)		107 FC per W/Sq. Ft.		88 FC per W/Sq. Ft.	
	30.00°	0° - 80°	3,941	99%	16.0'	10 fc	21.9'	5 fc	3' Suspension Length Square rooms used for multiple units: - RCR 1: Length & Width = Ceiling Ht. - 5.5' x 10.00 - RCR 3: Length & Width = Ceiling Ht. - 5.5' x 3.33 + Average Footcandles at 2.5' Above Floor					
	40.00°	0° - 90°	3,966	100%	20.0'	7 fc	27.4'	3 fc	* Exceeds spacing criteria by 0%					
	70.00°	Total	3,966	100%	24.0'	5 fc	32.9'	2 fc	** Exceeds spacing criteria by -13%					
	90.00°				28.0'	3 fc	38.4'	2 fc	*** Exceeds spacing criteria by -21%					
	<p>Delivered Lumens: 3,966 Luminaire Watts: 39 LER: 101.69</p>	<p>CP at 0deg (Nadir): 2,638 CRI: 80+</p>	<p>Beam Angle: 68.81 Spacing Ratio: 1.04</p>	<p>Lamp Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68 CCT Multiplier: 50K x 1.06, 40K X 1.03, 30K X 0.985, 27K X 0.971</p>										

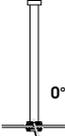
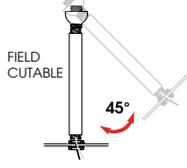
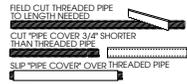
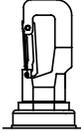


MOUNTING & ACCESSORIES

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 LUMEN MAX SPECIFICATION FOR PENDANT MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.



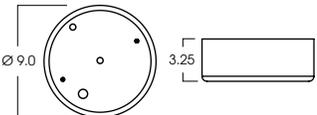
MOUNTING TYPES

<p>HM* HANG STRAIGHT 45° SWIVEL 5/8" OD STEM - 3/8" IP</p>  <p>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)</p>	<p>PM* RIGID PENDANT MOUNT RIGID 5/8" OD STEM - 3/8" IP</p>  <p>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)</p>	<p>AT** HANG STRAIGHT ALL THREAD 45° SWIVEL 5/8" OD STEM - 1/4" IP</p>  <p>ORDER: AT (Length) SPECIFY LENGTH: AT12 - 12" AT24 - 24" AT36 - 36"</p> 	<p>CD CORD / CABLE MOUNT SJ CORD WITH 1/16 SS CABLE</p>  <p>ORDER: CD (Length) SPECIFY LENGTH: CD36 - 36" CD72 - 72" CD144 - 144" CDLC(XX) Custom Length (Specify in Inches)</p>	<p>HC HOOK & CORD FOR INDEPENDENT MOUNTING</p>  <p>ORDER: HC</p>
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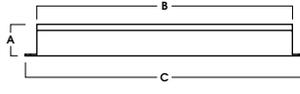
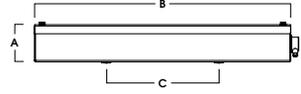
*MAXIMUM ONE PIECE STEM LENGTH IS 72". **MAXIMUM ONE PIECE STEM LENGTH IS 36". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

EMERGENCY BATTERY OPTIONS

EMCR - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY



REMOTE EMERGENCY BATTERY OPTIONS

<p>EMRM* - 7W REMOTE EMERGENCY BATTERY (50' MAX)</p>  <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>1.3</td> <td>12.6</td> <td>13.0</td> </tr> </tbody> </table>	A	B	C	1.3	12.6	13.0	<p>EMEN* - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (50' MAX)</p>  <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>2.0</td> <td>17.0</td> <td>6.2</td> </tr> </tbody> </table>	A	B	C	2.0	17.0	6.2
A	B	C											
1.3	12.6	13.0											
A	B	C											
2.0	17.0	6.2											

*OTHER EM BATTERY SIZES AVAILABLE. CONSULT FACTORY

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

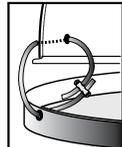
SC1 - SAFETY CABLE

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




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	\$	⓪
Tier 2 - Typical Finishes	\$\$	⓪⓪
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

