

22" ALUMINUM & PRISMATIC

DMD SERIES



DMD22GY

APPLICATION

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

FEATURES

Domed Fixture Housing (DMD) 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

LED system features high brightness white LED's. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available, consult factory.

CONSTRUCTION

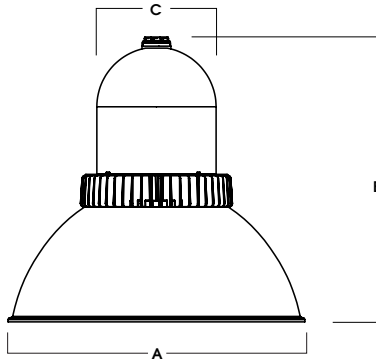
Housing constructed of spun and machined aluminum. Die-cast aluminum heat sink. Reflector made of spun .060" aluminum. Refractor made of cast UV stabilized acrylic.

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.

DLC LISTING

Not all combinations are listed on the Design Lights Consortium® QPL. Refer to designlights.org/search/ for most up-to-date list.



A	B	C
22.4 569.0 mm	21.5 546.1 mm	9.0 228.6 mm

Dimensioned with ALUMINUM SHADE

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
DMD22GY160L/AL22	16000	15219	114	134
DMD22GY200L/AL22	20000	18641	144	129
DMD22GY220L/AL22	22000	21222	162	131

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ³	OPTIONS ⁴	MOUNTING ⁵	SHADE	DIFFUSER OPTIONS	FINISH ¹¹
DMD22GY	160L 16000 Lm	35K 3500K 40K 4000K	DX 1%, 0-10V, 120V/277V	FS Fusing SC1 Safety Cable SC2 Safety Cable, Refractor to Door	HM ⁶ Hang Straight AT ⁶ Hang Straight All Thread PM ⁶ Rigid Pendant CD ⁶ Cord / Cable Mount HC ^{6/7} Hook & Cord NM2 ^{7/8} 1/2" NPT Hub NM3 ^{7/8} 3/4" NPT Hub	ALUMINUM	DOOR	MW ¹² Matte White
	200L 20000 Lm					DR22A ⁹ 22" Spun Door BC22 22" Band Clamp RS22 ¹⁰ 22" Refractor Shroud	LENS	MB ¹² Matte Black PT ¹² Platinum Silver
	220L 22000 Lm					PRISMATIC	WAG22 22" Wire Guard	See Page 6 for Full Range of Color Options (83-90081)

DLC PREMIUM LISTED OPTIONS

EXAMPLE: DMD22GY160L40KDX/HM36/AL22/MWI/MW

NOTES:
 1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens at 35K DX AL22 MWI MW 3 Contact Factory for Additional Options 4 See Product Options Page for Details 5 See Mounting Page for Details on Components
 6 Specify Length in Inches: See Mounting Page for Available Lengths 7 Mounting Supplied by Others 8 12" Leads Unless Specified 9 Same Finish as Housing 10 Same Finish as Housing / For Use with Prismatic Shades Only
 11 See Color Page for More Options/Consult Factory for Special Finishes 12 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.

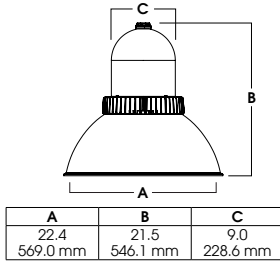
22" ALUMINUM & PRISMATIC

DMD SERIES / FIXTURE OPTIONS

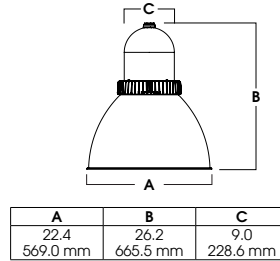


SERIES TYPE

ALUMINUM



PRISMATIC



STANDARD FINISHES

MW MATTE WHITE



DMD22/AL22 HM MATTE WHITE

MB MATTE BLACK



DMD22/AL22 HM MATTE BLACK

PT PLATINUM SILVER



DMD22/AL22 HM PLATINUM SILVER

MOUNTING TYPES

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



DMD22/AL22 SHOWN WITH PM

CD CORD / CABLE MOUNT



DMD22/AL22 SHOWN WITH CD

HC HOOK CORD



DMD22/AL22 SHOWN WITH HC

NM NO MOUNT



DMD22/AL22 SHOWN WITH NM

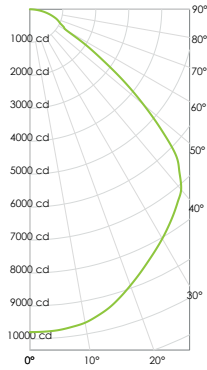
22" ALUMINUM

DMD SERIES / PHOTOMETRIC DATA



DMD22GY 220L 35K DX AL22 MWI MW

CANDLEPOWER CURVE TEST SP-00973



Delivered Lumens: **21,222**
Luminaire Watts: **162**
LER: **131.00**

INTENSITY CANDELA 0° AZIMUTH

0.00°	9,792
0.00°	9,792
5.00°	9,772
10.00°	9,654
15.00°	9,358
20.00°	8,916
30.00°	8,034
40.00°	7,138
50.00°	4,503
60.00°	1,302
70.00°	861
80.00°	424
90.00°	0

CP at 0deg (Nadir): **9,792**
CRI: **80**

ZONAL LUMENS

0° - 10°	941	4%
0° - 20°	3,566	17%
0° - 30°	7,462	35%
0° - 40°	12,208	58%
0° - 60°	19,323	91%
0° - 80°	21,022	99%
0° - 90°	21,222	100%
Total	21,222	100%

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES BASED ON IES BEAM ANGLE

Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge
10.0'	98 fc	22.9'	14 fc
12.0'	68 fc	27.5'	10 fc
14.0'	50 fc	32.1'	7 fc
16.0'	38 fc	36.7'	5 fc
20.0'	24 fc	45.8'	3 fc
24.0'	17 fc	55.0'	2 fc
28.0'	12 fc	64.2'	2 fc
32.0'	10 fc	73.3'	1 fc

Beam Angle: **97.78**
Spacing Ratio: **1.23**

MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT

Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
		FC +	W/Sq. Ft.	FC +	W/Sq. Ft.
22'	14'	81	0.67	95	0.97
26'	18'	51	0.43	60	0.61
32'	22'	43	0.36	35	0.36
Delivered Illuminance Rating: (DIR)		121 FC per W/Sq. Ft.		98 FC per W/Sq. Ft.	
4' 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					

Lumen Multiplier: 160L x 0.71, 200L x 0.88
CCT Multiplier: 27K x 0.94, 30K x 0.97, 40K x 1.01

22" PRISMATIC

DMD SERIES / PHOTOMETRIC DATA



DMD22GY 220L 35K DX DF22

CANDLEPOWER CURVE TEST SP-00971	INTENSITY CANDELA 0° AZIMUTH	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°	Mounting Height AFF	Ceiling Height
	0.00° 12,162	1,170	FC at Center on Floor	Fixture Spacing
	5.00° 12,128	6%	Beam Diameter	RCR 2
	10.00° 11,968	21%	FC at Beam Edge	RCR 4
	15.00° 11,620	43%		FC + W/Sq. Ft.
	20.00° 10,985	63%		FC + W/Sq. Ft.
	30.00° 8,835	79%		Delivered Illuminance Rating: (DIR)
	40.00° 4,728	89%		4' Suspension Length
	50.00° 1,679	92%		Square rooms used for multiple units:
	60.00° 1,272	92%		- RCR 2: Length & Width = Ceiling Ht. - 6.5' x 5.00
70.00° 978	100%	Total	- RCR 4: Length & Width = Ceiling Ht. - 6.5' x 2.50	
80.00° 699	100%		+ Average Footcandles at 2.5' Above Floor	
90.00° 474				

Delivered Lumens: 21,127
Luminaire Watts: 162
LER: 130.41

CP at 0deg (Nadir): 12,162
CRI: 80

Beam Angle: 73.9
Spacing Ratio: 1.11

Lumen Multiplier: 160L x 0.71, 200L x 0.88
CCT Multiplier: 27K x 0.94, 30K x 0.97, 40K x 1.01

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

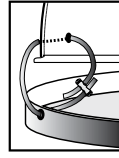
SC1 - SAFETY CABLE

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

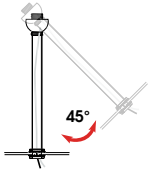
1/16" Stainless steel cable holds door to fixture



MOUNTING TYPES

HM* HANG STRAIGHT

45° SWIVEL 5/8" OD STEM - 3/8" IP

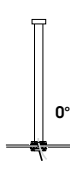


ORDER: **HM** (Length)
SPECIFY LENGTH:

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

PM* RIGID PENDANT MOUNT

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

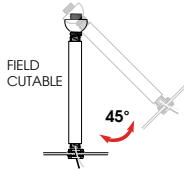


ORDER: **PM** (Length)
SPECIFY LENGTH:

- PM3 - 3" PM24 - 24"
- PM6 - 6" PM36 - 36"
- PM12 - 12" PM48 - 48"
- PM18 - 18" PM72 - 72"
- PMLC(XX)**
Custom Length
(Specify in Inches)

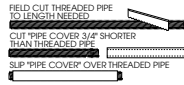
AT** HANG STRAIGHT ALL THREAD

45° SWIVEL 5/8" OD STEM - 1/4" IP



ORDER: **AT** (Length)
SPECIFY LENGTH:

- AT12 - 12"
- AT24 - 24"
- AT36 - 36"



CD CORD / CABLE MOUNT

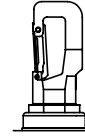
SJ CORD WITH 1/16 SS CABLE



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)

NMX 1/2" NPT Hub 3/4" NPT Hub FOR INDEPENDENT MOUNTING

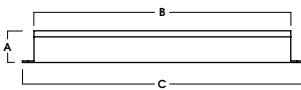


- ORDER: **NMX** (Length)
SPECIFY LENGTH:
- NM2(12) - 12" Leads are Standard
 - NM3(12) - 12" Leads are Standard
 - NMXLC(XX)**
Custom Length
(Specify in Inches)

*MAXIMUM ONE PIECE STEM LENGTH IS 72". **MAXIMUM ONE PIECE STEM LENGTH IS 36". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

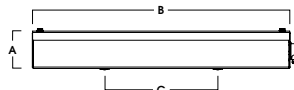
REMOTE EMERGENCY BATTERY OPTIONS

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

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