

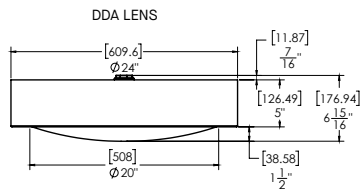
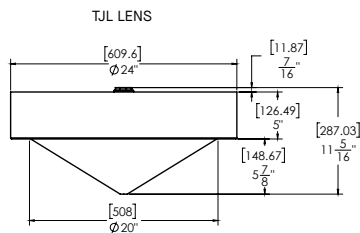


VITRO PERFORMANCE

HIGH LUMEN PENDANT LUMINAIRE



- Vitro Performance Pendant has the output of a traditional high bay, but with a sleek profile and visually captivating lenses that deliver wide uniform light distribution matching recessed fixture GC2208.
- Applications include gymnasiums, retail, office, medical, and auditoriums.
- The low-profile housing allows for the fixture to be placed closer to the ceiling than traditional high bays and align with architectural ceiling elements.
- The 24" diameter conical and domed lens options have broad symmetrical light distribution for wide fixture spacing in large spaces.
- Each lens profile has been engineered to provide outstanding light levels while remaining visually comfortable.
- Integral drivers for ease of maintenance and simplicity of installation.
- Field adjustable cable mounts (CD4X) make mounting on uneven ceilings or around ductwork and other obstacles easy. The single pendant option (HM/PM) is elegant and understated.
- Multi-stage polyester powder-coat process applied on our dedicated paint lines. A variety of standard and custom finishes are available. All exposed materials are chromate pretreated to resist corrosion.
- LED system features high brightness white LEDs. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available, consult factory.
- Housing constructed of spun and machined aluminum. Lens made of UV stabilized acrylic.
- UL certified to meet US and Canadian standards. Suitable for dry or damp locations. Manufactured and tested to UL 1598.



PERFORMANCE			
PART NUMBER	DELIVERED LUMENS	SYSTEM WATTS	LPW
LD2208LED 150L 35K TJL	12689	91.7	138
LD2208LED 240L 35K TJL	16249	121.7	134
LD2208LED 150L 35K DDA	11656	91.7	127
LD2208LED 240L 35K DDA	14974	121.7	123

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING	LENS	MOUNTING	FINISH
LD2208LED	150L 12689 Lm 240L ² 16249 Lm	30K 3000K 35K 3500K 40K 4000K	DX 10%, 0-10V, 120/277V	TJL Deep Conical Lens DDA Diffused Domed Acrylic Lens	HM_ Hang Straight PM_ Rigid Pendant Mount CD4X_ 4 Cables 1 Cord	TW Textured White TB Textured Black BZ Bronze CC Custom Color

DLG STANDARD LISTED OPTIONS

EXAMPLE: LD2208LED150L35KDXTJLPM36TW



PROJECT: _____
 QUANTITY: _____ TYPE: _____



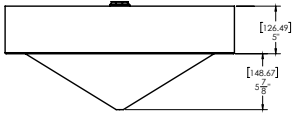
VITRO PERFORMANCE

HIGH LUMEN PENDANT LUMINAIRE

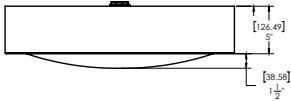


LENS TYPE

TJL LENS

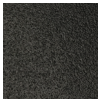


DDA LENS



FINISH

TW
 Textured White
 

TB
 Textured Black
 

BZ
 Bronze
 

CC
 Custom Color
 

PAINT TIMES

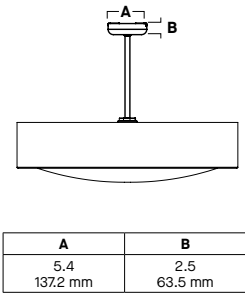
TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	⌚
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

MOUNTING TYPES

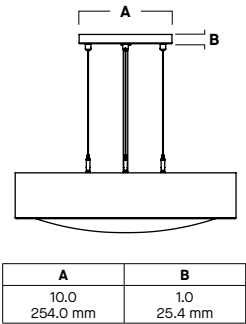
HM / PM

HANG STRAIGHT / PENDANT



CD4X

4 CABLES 1 CORD



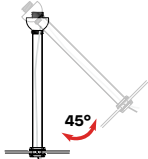
MOUNTING & ACCESSORIES

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.



MOUNTING TYPES

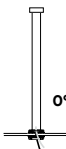
HM*
HANG STRAIGHT
45° SWIVEL 5/8" OD STEM - 3/8" IP



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)

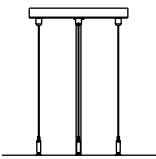
TO TRIM HM STEM IN FIELD ORDER FCHMA KIT.

PM*
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)

CD4X
CORD / CABLE MOUNT
SJ CORD WITH 1/16 SS CABLE



ORDER: **CD4x** (Length)
SPECIFY LENGTH:
CD4x36 - 36"
CD4x72 - 72"
CD4x144 - 144"
CDLC4X(XX)
Custom Length
(Specify in Inches)

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





VITRO PERFORMANCE

HIGH LUMEN PENDANT LUMINAIRE / PHOTOMETRIC DATA



LD2208LED 240L 35K xx T.JL xx xx

CANDLEPOWER CURVE TEST SP-01623_1	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° 463 3%	Mounting Distance	Ceiling Height	Fixture Spacing	RCR 1		RCR 3					
	0°	0° - 20° 1796 11%	FC at Beam Center	18'	14'	FC *	W/Sq. Ft.	FC *	W/Sq. Ft.				
	5°	0° - 30° 3892 24%	8"	22'	16'	58	0.45	36	0.36				
	15°	0° - 40° 4493 40%	10"	26'	18'	46	0.35	41	0.42				
	25°	0° - 60° 11699 72%	12"	Delivered Illuminance Rating: (DIR)		131 FC per W/Sq. Ft. 99 FC per W/Sq. Ft.							
	35°	0° - 80° 14951 92%	14"										
	45°	0° - 90° 15741 97%	16"	3' Suspension Length to luminous aperture 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 Initial Footcandles at 2.5' Above Floor									
	55°	Total 16249 100%	20"										
	90°		24"										
			26"										
Delivered Lumens: 16249 Luminaire Watts: 121.7 LER: 133.52	CP at 0° (Nadir): 4785 CIR: 80+	Beam Angle: 118° Spacing Ratio: 1.34 Melanopic Ratio: 0.62	Lumen Multiplier: 150L x 0.78 CCT Multiplier: 30K x 0.99, 40K x 1.03										

LD2208LED 240L 35K xx DDA xx xx

CANDLEPOWER CURVE TEST SP-01624_1	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

HOW TO USE PERFORMANCE DATA

SINGLE UNIT	MULTIPLE UNITS
Cone of Light of a single, symmetrical beam luminaire. Direct initial illumination (FC) and Beam Angle diameter directly beneath fixture; shown at different distances from aperture to horizontal plane. Calculated using Inverse Square Law. $FC_i = CP \times (\cos \theta) \div D^2$ Beam Diam. = $\frac{1}{2}$ Beam Angle (Tan) x 2D - CP Candela at 0° (Nadir) - Cos θ Cosine of θ Angle - D Distance (Mounting Height AFF) - FC_i Footcandles, Horizontal - Beam Angle Cone of light to 50% max. CP - Beam Diam. Pattern of light at Beam Angle	Square grid layout of multiple luminaires in unfurnished, square rooms of different proportions (Room Cavity Ratios) with 80/50/20% room surface reflectances. 3' Suspension Length to aperture. Initial average illumination (FC) calculated at 2.5' above floor, using Zonal Cavity Method. W/Sq. Ft. of layout shown for each ceiling height and RCR. Delivered Illuminance Rating (DIR²): System performance indicator expressed as ratio of approximate initial FC per W/Sq. Ft. delivered to horizontal plane below, for the range of ceiling heights indicated. - To estimate FC for Fixture Spacing that is different than shown (do not exceed Spacing Ratio): $FC = \text{Chart Spacing}^2 \div \text{Different Spacing}^2 \times \text{Chart FC}$ - To estimate Sq. Ft. per fixture for a specific target FC: $Sq. Ft. / \text{Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$ - To estimate Fixture Quantity in a room: $\text{Fixture Qty.} = Sq. Ft. of Rm. \div Sq. Ft. per fixture$ - To estimate Watts/Sq. Ft.: $W / Sq. Ft. = \text{Luminaire Watts} \times Qty. \div Sq. Ft. of Rm.$

