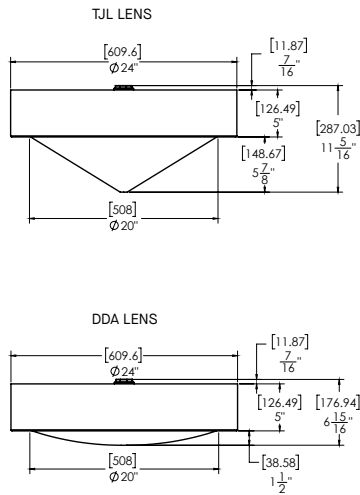




VITRO PERFORMANCE HIGH LUMEN PENDANT LUMINAIRE



- 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 ²	CCT	DRIVER / DIMMING	LENS	MOUNTING	FINISH
LD2208LED	150L 12689 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
	240L 16249 Lm					
2. Nominal Delivered Lumens at 35K TJL						

DLC STANDARD LISTED OPTIONS

EXAMPLE: LD2208LED150L35KDXJTJLPM36TW



PROJECT: _____
 QUANTITY: _____ TYPE: _____

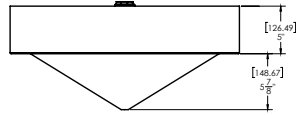


VITRO PERFORMANCE
HIGH LUMEN PENDANT LUMINAIRE

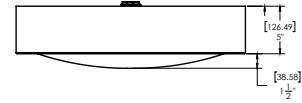


LENS TYPE

TJL LENS



DDA LENS



FINISH

TW

Textured White



TB

Textured Black



BZ

Bronze



CC

Custom Color



PAINT TIMES

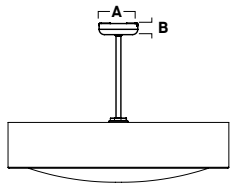
TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	🕒
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

MOUNTING TYPES

HM / PM

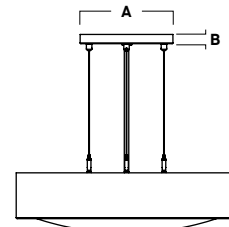
HANG STRAIGHT / PENDANT



A	B
5.4	2.5
137.2 mm	63.5 mm

CD4X

4 CABLES 1 CORD



A	B
10.0	1.0
254.0 mm	25.4 mm

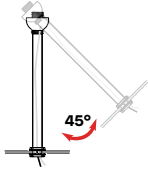
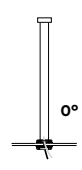
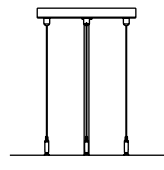
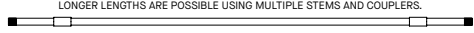


MOUNTING & ACCESSORIES

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

<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>TO TRIM HM STEM IN FIELD ORDER FCHMA KIT.</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>CD4X CORD / CABLE MOUNT SJ CORD WITH 1/16 SS CABLE</p>  <p>ORDER: CD4x (Length) SPECIFY LENGTH: CD4x36 - 36" CD4x72 - 72" CD4x144 - 144" CDLC4X(XX) Custom Length (Specify in Inches)</p>
<p>*MAXIMUM ONE PIECE STEM LENGTH IS 72". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.</p> 		



VITRO PERFORMANCE

HIGH LUMEN PENDANT LUMINAIRE / PHOTOMETRIC DATA



LD2208LED 240L 35K xx TJL xx xx

CANDLEPOWER CURVE TEST SP-01.623_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
	0° 4785	0° - 20° 1798 11%	FC at Beam Center	Fixture Spacing
	5° 4774	0° - 30° 3892 24%	Diameter at Beam Angle	RCR 1
	15° 4702	0° - 40° 6493 40%	FC at Beam Edge	RCR 3
	25° 4510	0° - 60° 11699 72%		FC + W/Sq. Ft.
	35° 4133	0° - 80° 14951 92%		FC + W/Sq. Ft.
	45° 3534	0° - 90° 15761 97%		FC + W/Sq. Ft.
	55° 2752	Total 16249 100%		FC + W/Sq. Ft.
	90° 534			FC + W/Sq. Ft.
	90° 534			

Delivered Lumens: 16249
 Luminaire Watts: 121.7
 LER: 133.52

CP at 0° (Nadir): 4785
 CRI: 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-01.624_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° 482 3%	Mounting Distance	Ceiling Height
	0° 5017	0° - 20° 1842 12%	FC at Beam Center	Fixture Spacing
	5° 4995	0° - 30° 3905 26%	Diameter at Beam Angle	RCR 1
	15° 4822	0° - 40° 6398 43%	FC at Beam Edge	RCR 3
	25° 4481	0° - 60° 11357 76%		FC + W/Sq. Ft.
	35° 3993	0° - 80° 14354 96%		FC + W/Sq. Ft.
	45° 3374	0° - 90° 14861 99%		FC + W/Sq. Ft.
	55° 2649	Total 14974 100%		FC + W/Sq. Ft.
	90° 225			FC + W/Sq. Ft.
	90° 225			

Delivered Lumens: 14974
 Luminaire Watts: 121.7
 LER: 123.04

CP at 0° (Nadir): 5017
 CRI: 80+

Beam Angle: 114°
 Spacing Ratio: 1.25
 Melanopic Ratio: 0.61

Lumen Multiplier: 150L x 0.78
 CCT Multiplier: 30K x 0.99, 40K x 1.03

HOW TO USE PERFORMANCE DATA

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

