

ORB FUNDAMENTALS

All LEDs binned to within a 2 MacAdam ellipse CCT tolerance of $\pm 60^{\circ}$
Photometric and wattage data presented below is PER HEAD.

	1219B/ 700mA Driver	1219H/ 700mA Driver
LUMEN OUTPUT	151 lm	146 lm
FIXTURE WATTAGE	3.1 w	3.1 w
CRI	87	95+
CCT OPTIONS	2700K, 3000K, 3500K, 4000K, 4500K	2700K, 3000K, 3500K, 4000K
APPLIED LED	Nichia 219C	Nichia 219C
LED EFFICACY*	94 lm/w	91 lm/w
FIXTURE EFFICACY* not including driver losses	49 lm/w	47 lm/w

Beam	Lumens	Footcandles @ 12"
14°	138 lm	644 fc
29°	140 lm	579 fc
60°	97 lm	416 fc

All photometrics based on 3500K CCT

LENSING	14°, 29° or 60° Lens
FINISH	Silver, Black & Custom Finishes on request
ELECTRICAL	Driver Type: 700mA, Class 2 UL Listed Input Voltage: 3v - 6v Dimming: 0-10 v, DMX, DALI (See Driver Cutsheet) Feed Wire: 96" [2.44m] of 20 AWG Wire [1.02mm ²], Male Connector Operating Ambient Temperature: -22° to 95° F [-30° to 40° C] Humidity: 90% RH Non-Condensing
LIFE & WARRANTY	50,000 HR lifetime (T _a = -25°C to 40°C; T _c max 75°C); 5 year limited warranty
MOUNTING	Mounting V Flange standard
LISTINGS & TESTS	cULus (2108, 8750); CE RoHS Compliant (if specified); LM79, LM80 ; IP20, Dry Location Only The EU's Restriction of Hazardous Substances Directive (RoHS) restricts the use of six hazardous substances* in electrical and electronic equipment (* Lead (Pb), Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls and Polybrominated diphenyl ether (PBDE)).

The EssentialLEDs® **Orb** fixture was developed for use in retail display applications, with rotatable heads seated into a self-mounting angled housing; heads rotate independently and lock securely in desired position.

The Orb housing tucks neatly into top, bottom, or side corners of display windows, niches or millwork. From one to six rotatable heads available in 14°, 29° or 60° lens options. Orb's high light output, low energy use and long lamp life make it an ideal fixture for beautifully illuminating displays of jewelry, handbags and other types of highly detailed merchandise.

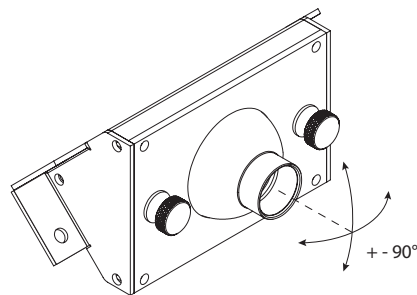
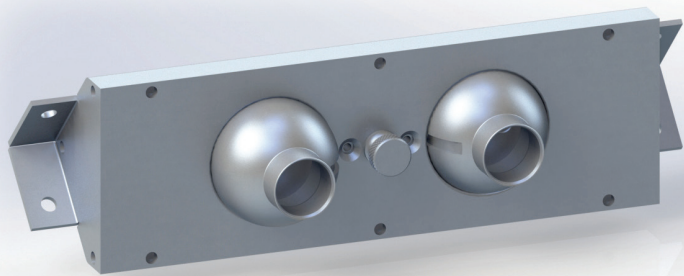
Orb fixtures are dimmable and available in various color temperatures, with a CRI of up to 95+. LED component can be replaced in field by trained technician.

Visit the VLT website for application photos and most recent information.

MADE IN USA 

CCT	2700K	3000K	3500K	4000K	4500K
LIGHT OUTPUT CONVERSION	0.88	1.0	1.0	1.08	1.08

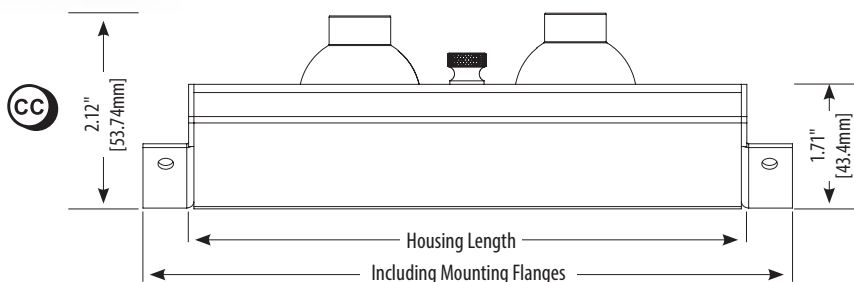
VLT reserves the right to change specifications without notice. Please visit www.vltcorp.com for current cut sheets.



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IP20 | Display lighting fixture featuring 90° angled mounting housing combined with 1, 2, 4 or 6 rotatable spherical LED lighting heads. Each head includes one Nichia LED (up to 151 lm*, up to 3.1 w, 87 CRI). Heads available with 14°, 29° or 60° lens and lock securely in desired position. Total Fixture Length between 4.118" and 16.56" [420.6mm] (Depending on head count.) Total Fixture Wattage varies based on head quantity and driver current. Available in 2700K, 3000K, 3500K, 4000K, 4500K. All LEDs include $\pm 60K$ Micro Binning. Silver, Black or Custom Finishes.

Photometrics vary based on CCT.



Number of Heads	Housing Length	Including Mounting Flanges
1 Head	3.118" [79.1mm]	4.118" [104.5mm]
2 Heads	6.00" [152.4mm]	7.11" [180.5mm]
4 Heads	10.72" [272.8mm]	11.83" [300.5mm]
6 Heads	15.45" [392.4mm]	16.56" [420.6mm]

ELL- OR - _____ - _____ - _____ - _____ / _____ - _____ - _____ - _____

LED	
1219B	87 CRI
1219H	95+ CRI ¹

Standard HI CRI

¹ Not available in 4500°K CCT



CCT	
27	2700°K
30	3000°K
35	3500°K
40	4000°K
45	4500°K

Finish	
AL	Silver
BL	Black
C	Custom

Lens Options	
14	14° Lens
29	29° Lens
60	60° Lens

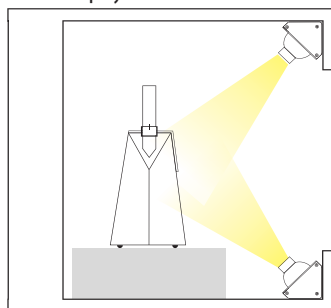
Wire Exit

WE1	Default
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UL	UL Listed	
CE	CE Marked (RoHS)	


Number of Heads	
1	1 Head
2	2 Heads
4	4 Heads
6	6 Heads

Orb tucks into corners of display niches and windows




Beam Angle (lens)

14°

A diagram showing a lens represented by a black circle. A yellow cone originates from the bottom of the circle, representing the beam angle. The angle is labeled as 14°.


Beam Angle (lens)

29°

A diagram showing a yellow cone representing a beam of light. The cone originates from a black dot at the top, which represents the lens. The angle between the two sides of the cone is labeled as 29°. The cone tapers downwards, becoming lighter yellow towards the bottom.

Beam Angle (lens)

60°

A diagram showing a yellow cone representing a beam of light. The cone originates from a black dot at the top, which is labeled '60°'. The cone tapers downwards, representing the spread of the beam.