



L-RETRO-DG

LED Decorative Globe Retrofit Kit



Catalog Number:

Project:

Comments:

Prepared By:

Date:

Technical Specifications

Input Voltage: 120-277V or 347-480V

Kit Contents: The kit consists of an aluminum fitter mounting disk custom designed for the submitted fitter, a kit with integrated LED circuit board, LED driver, 20kA surge suppressor, and all wiring and hardware required for installation. Installation utilizes the 3 provided stainless steel bolts that mount the kit to existing mounting holes and bosses within the fixture. No drilling or modification to the existing housing is required. The kit height can be field adjusted vertically to accommodate various existing globe heights as needed.

Light Engine: Each LED light engine consists of a circuit board of 80 Nichia 757G LEDs. The LED board is mounted to a 0.125 aluminum disk and heat sink for maximum heat dissipation from the LEDs.

Color Temperature: 2700K WW, 3000K OW, 4000K NW (standard), 5000K CW. All LED's are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 80+ or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Certification Data: CSA 22.2 No. 250 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, CSA Listing to UL1598C and UL 8750.

Manufacturing Origin: US Manufactured and Assembled.

Buy American: Meets Buy American requirements within the ARRA.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Ubiquiti® Wireless Controls: Turn every Lumecon light into a smart city hub to control lights, densify WIFI and provide data backhaul. Ubiquiti Ubicell Wireless Node allows for advanced light control via Ubiquiti Control Platform. All nodes are self-provisioning on power-up and are global Carrier LTE compatible with no Gateways or Concentrators required. Single SKU 120v to 480v operation, 22 Satellite Global GPS and Celestial Clock, Simultaneous Metering for Line and Load, High Accuracy Tilt and Vibration sensor, 10 second Last Gasp and Nonvolatile Memory, OTA Updates and a 10 year warranty. Ask your local Lumecon Representative for more information.

Description

The L-RETRO-DG LED Decorative Globe kit offers service professionals an economic, easy to install solution to safely upgrade HID luminaires to LED. Available in three output versions, the L-RETRO-DG Retrofit Kit proves to be the perfect LED conversion solution for your next Decorative Globe project.

Performance Data

Model	Watts	Equiv	Delivered Lumens	Efficacy
L-RETRO-DG	35W	175W HID	4,294 Lm	118 LPW
L-RETRO-DG	45W	250W HID	5,311 Lm	118 LPW
L-RETRO-DG	55W	250W HID	6,434 Lm	116 LPW



Ordering Information

L-RETRO-DG Options / Ordering Example: L-RETRO-DG-35-1-NW

Wattage	Voltage	Color Temperature	Accessories
35 - 35 Watts	1 - 120v-277v	WW - 2700K	7P - Seven-pin Twist Lock Photocell Receptacle Only
45 - 45 Watts	2 - 347v-480v	OW - 3000K	UBI - Ubiqquia Wireless Controls ¹
55 - 55 Watts		NW - 4000K	
		CW - 5000K	

Notes:

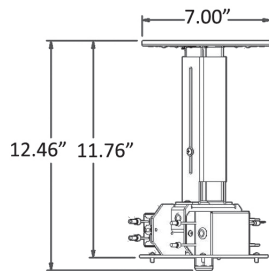
1. UBI requires the 7P option be selected

Options - Ordered on separate line item

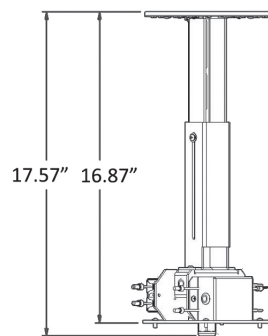
32-00110 - House Shield - Type IV

Dimensions

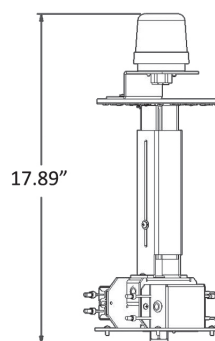
MIN HEIGHT w/o SENSOR



MAX HEIGHT w/o SENSOR

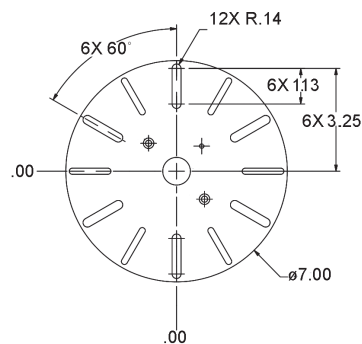


MAX HEIGHT w/ SENSOR
MAX WIDTH ACROSS ALL BUILDS - 7"



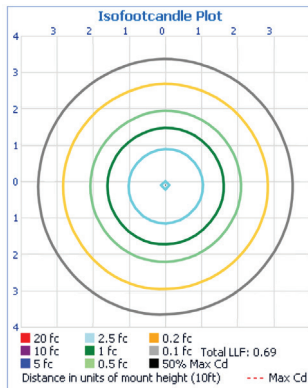
MOUNT DISK

other sizes available upon request

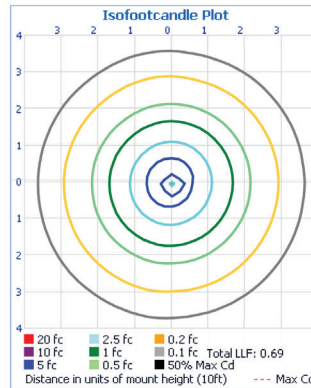


Photometric Data

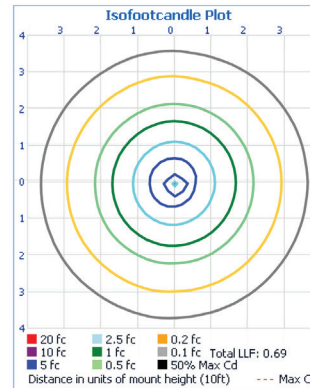
L-RETRO-DG-35-NW



L-RETRO-DG-45-NW



L-RETRO-DG-55-NW



L-RETRO-DG-55-NW-Type IV

