

Model Number:

Accessories:

Type:

Job:

Approvals:

DESCRIPTION

The TLED-G series garagelighter's traditional design combined with a high performance LED light source and superior thermal management makes it an attractive, energy saving choice. Every aspect of the TLED-G series design has been engineered to provide a LED luminaire that delivers optimum optical performance and longevity in an attractive and durable housing. The TLED-G housing uses a UV resistant powder coated finish to protect against the elements and is ETL listed for wet locations. The TLED-G incorporates contractor friendly features that allow for easy, single person installation that mounts to any standard junction box. Available LED light engines with total system watts from 32 up to 95 and lumen outputs ranging from 2249 up to 6011 the TLED-G provides a wide spectrum of application options for parking garages, schools, office complexes, light commercial development, apartments, and fueling facilities.

SPECIFICATIONS

Construction:

A precision die formed aluminum housing features clean architectural lines with ample, integral mounting space for many optional accessories, the TLED-G's most important construction feature is its integrated thermal management, which allows for optimum performance and durability of the LED light engine without sacrificing design aesthetics. LEDLITElogic heat sinking technology moves heat away from the LEDs by utilizing a patent-pending "chimney" design that takes advantage of thermal convection dynamics maximizing system performance and delivering an astounding 110,000 hour life with 70% lumen maintenance. The TLED-G is completely sealed and gasketed, is ETL listed for wet locations, and has no exposed hardware, making it a perfect choice for tamper resistant applications. TLED-G also incorporates a UV resistant, long lasting, polyester based powder coated white or silver finish.

Optics:

Our TLED-G series garagelighter delivers exceptional light quality, efficiency and light distribution with an optical design that provides a balanced uplight distribution and superior vertical surface illumination. The TLED-G's standard grade lens is specifically designed to distribute light where it is needed in the most efficient way possible with an uplight component to eliminate the "cave-like" feel of some parking garage designs and vertical illumination to provide sufficient peripheral lighting.

Electrical:

A wide choice of performance levels are available in the TLED-G series with a range of LED light engines from a 32 LED unit drawing 38 total watts and providing 2249 initial delivered lumens up to our largest DLC qualified unit drawing 92 total watts and providing 6011 initial delivered lumens, see chart on Page 2 for complete performance figures. The variety of available LED light engine wattages and efficacies are powered by constant voltage control drivers and provide a 110,000 hour rated life with 70% lumen maintenance, a 4500K to 5000K CCT, and a CRI of ≥ 75 . All drivers are Class 2 power supplies with input voltage range of 120VAC to 480AVC, providing a Class A EMI rating and a high power factor of ≥ 0.90 . The TLED-G is suitable for operation in -40°C (-40°F) to 40°C (104°F) ambient conditions. Optional transient surge protection is available.



Environmentally Friendly Design:

TLED-G luminaires consume very little energy and provide long life in comparison to traditional lamp technologies. Our manufacturing process utilizes no hazardous substances such as mercury or lead. The LED-G is RoHS (Restriction of Hazardous Substances) compliant, 100% recyclable, and provides a significant reduction in Kw load and carbon emissions.

Installation:

The TLED-G series features our EZ-LITE mounting system and can be installed and wired by one person. The base plate easily attaches to a 3" or 4" J-box, and the fixture housing is attached to the base plate by three keyhole fasteners and is secured by a single easily accessible screw. The TLED-G can be surface mounted to a recessed J-box using the EZ-LITE mounting system or pendant mounted using a standard 1/2" threaded downrod (supplied by others). An optional bird guard is available for pendant mount applications.

Testing & Compliance:

The reliability and performance of the TLED-G is evaluated in accordance with the parameters outlined and reported by LM-79 and LM-80 documents. Photometric data is tested to IESNA LM-79-08 standard by an independent testing laboratory. Lumen maintenance, L70 a measure of long term reliability, is determined for the light source, which consists of the LED and PSB sub-assembly as installed in the luminaire, is determined using LM-80 in situ thermal and reliability data as provided by the LED manufacturer in accordance with DOE/EPA standards. DLC compliancy is currently in process.

Listing:

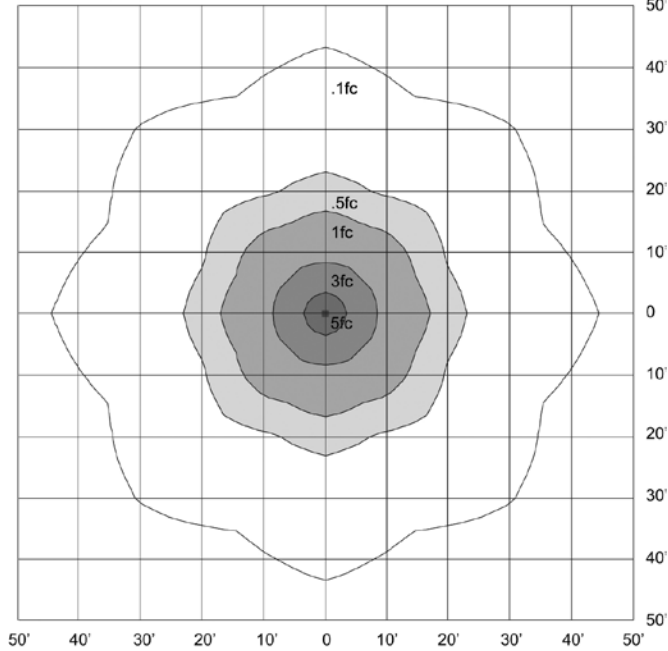
The TLED-G is ETL certified under UL1598 specifications and listed for wet locations.

Warranty:

The TLED-G LEDLITElogic series features a 5 year warranty.

SAMPLE PHOTOMETRICS

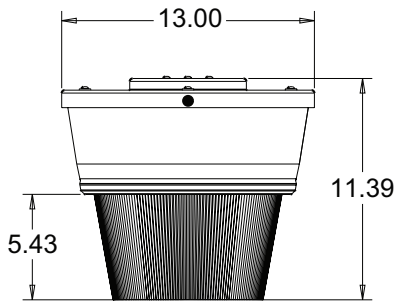
TLED-G-64 Mounted at 10'



Fixture Performance					
Part Number	Initial Lumens	Lumens per Watt (LPW)	Total Watts	L70 Hours @ 25°C	BUG Ratings
TLED-G-32-DT	2249	60	38	110,000	B1-U4-G1
TLED-G-48-DT	3374	60	57	110,000	B1-U4-G1
TLED-G-64-DT	4449	59	76	110,000	B2-U4-G2
TLED-G-55-DT ¹	4479	82	55	110,000	B2-U4-G2
TLED-G-75-DT ¹	5714	77	75	110,000	B3-U5-G2
TLED-G-95-DT ¹	6011	66	92	110,000	B3-U5-G3

NOTE: Lumen maintenance and life (part of LM-80 data) are per published information from primary LED suppliers and is based on design operation at their specified thermal management and electrical design parameters.

DIMENSIONS



Approximate Weight: 14 lbs.

ORDERING INFORMATION

TLED-G	64	DT	WH	TP	
SERIES	# OF LEDS or Wattage	INPUT VOLTAGE	HOUSING COLOR	OPTIONS (Factory Installed)	ACCESSORIES ² (Field Installed)
TLED-G	32 = 32 LEDS 48 = 48 LEDS 64 = 64 LEDS 55 ¹ = 55 Watts 75 ¹ = 75 Watts 95 ¹ = 95 Watts	DT = 120 to 277VAC	WH = White SLV = Silver	TP = Transient Protection System OCC/PC = Motion & Daylight Sensor	TLED-G-BG = Bird Guard (Pendant Mount Only)

¹ DLC Qualified Product

² Order As Separate Line Item



1911 West Parkside Lane • Phoenix, AZ 85027
888.533.3948 • 623.580.3948 • Fax: 623.580.8948
www.barronltg.com