

DESCRIPTION

This low glare canopy is TRACE*LITE's 'softer, gentler' distribution within the TLED series of solid state lighting (SSL). The specially designed polymethyl methacrylate (PMMA) UV stabilized lens interacts with the high performance light engines to optimize visual comfort without sacrificing lighting efficacy. This unique configuration eliminates eye strain or distraction. Attention to tasks at hand at schools, libraries, pharmacy drive throughs and truck stop sites are enhanced by optimizing the quality of light within the environment.

This low glare version of TRACE-LITE's versatile, high performance SSL canopy line is available in two (2) different low profile housings to satisfy diverse installation requirements, from basic surface mount installations to recessed applications. Both styles are powered by industry leading LED light engines featuring superior thermal management. This synergistic design far exceeds the performance capabilities of any retrofit and exemplifies true, integrated SSL design; simple elegance, exceptional performance.

The TLED low glare canopy series is available with four (2) different LED light engine configurations: 23 or 41 total system watts and approximate delivered outputs of 2320 or 4208 lumens.

SPECIFICATIONS

Construction:

Precision die formed aluminum housings feature clean architectural lines with ample, integral mounting space for future accessories. The TLED series canopy family's most important construction feature is its integral thermal management. The housing is fabricated using 1/8" aluminum plate, which not only provides strength and durability but also acts as a substantial heat sink and allows for optimum performance and durability of the LED light engine without sacrificing design aesthetics or increasing the outside dimensions of the housing. LEDLITE^{logic} heat sinking technology moves heat away from the LEDs by taking advantage of thermal convection dynamic properties and maximizing system performance that delivers up to a 190,000 hour life with 70% lumen maintenance at 77°F (25°C). The TLED series canopy family is ETL Listed for Wet Locations, and incorporates a UV resistant, long lasting, polyester based powder coated finish.

Optics:

The TLED series canopy family of luminaires delivers exceptional light quality and efficiency. The TLED low glare unit's optic design not only provides excellent Type V distribution, it leads the industry in canopy glare control. The UV stabilized PMMA lens is highly durable and extremely resistant to environmental discoloration over time typically caused in other fixtures by heat, aging, dust and air born particulates.

Electrical:

A choice of four (4) performance levels are available in the TLED low glare canopy series offering LED light engines with either 20 or 36 LEDs, drawing 23 or 41 total watts and providing approximately 2320 or 4208 initial delivered lumens, respectively. See chart on page 2 for complete performance figures. The available LED light engine wattages are powered by 0-10V dimmable, constant current control drivers and provide up to a 190,000 hour rated life with 70% lumen maintenance at 77°F (25°C), a 4700K CCT, and a CRI of ≥70. All drivers are Class 2 power supplies with input voltage range of 120VAC to 277VAC, providing a Class A EMI rating and a high power factor of ≥0.90. The TLED series canopies are suitable for operation in -40°F to 104°F (-40°C to 40°C) ambient conditions.

Thermal Management:

LEDLITE^{logic} heat sinking technology moves heat away from the LEDs by taking advantage of thermal convection dynamic properties and maximizing system performance that delivers up to a 190,000 hour life with 70% lumen maintenance.

Environmentally Friendly Design:

TLED series canopy luminaires consume very little energy and provide long life in comparison to traditional lamp technologies. The TLED low glare canopy series is RoHS (Restriction of Hazardous Substances) compliant and provides a significant reduction in KW load and carbon emissions.

Installation:

The TLED low glare series canopies can be installed and wired by a single person. The base plate easily attaches to a 3" or 4" J-box, and the fixture housing is attached to the base plate by four (4) captive fasteners. The TLED-C can be surface mounted to a recessed J-box, surface mounted with conduit, or pendant mounted using a standard 1/2" downrod & hardware (supplied by others) and the TLED-RC can be recessed mounted.

Transient Protection System (Option: TP):

The LEDLITE^{logic} optional transient protection device is designed to be used in conjunction with our LED drivers. The "-TP" option utilizes a 3-leaded device that protects Line-Ground, Line-Neutral, and Neutral-Ground in accordance with IEEE/ANSI C62.41.2 guidelines. The surge current rating of the "-TP" option is 10,000 amps.

Photocontrol (Option: PC):

Optional field installed photocontrol provides dusk-till-dawn security. Input voltage must be specified to match fixture input voltage. Not available on recessed units (TLED-RC).

Model: _____ Date: _____
 Accessories: _____
 Job Name: _____ Type: _____



Recessed Canopy (RC)



Specs at a Glance		
	20 LED	36 LED
Wattage (Nominal)	23W	41W
Ingress Protection	ETL Listed for Wet Locations	
Lumens (lm)	2320	4208
Efficacy (LPW)	103	103
CCT	4700K	
Input Voltage	120~277 Voltage Sensing	
Optics	Performance Optic - Type V Very Short	
CRI	≥71	
Warranty	5 Years	
Ambient Temp	-40°F to 104°F (-40°C to 40°C)	

Testing & Compliance:

The reliability and performance of the TLED series canopy luminaires are 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, or 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, using LM-80 in-situ thermal and reliability data as provided by the LED manufacturer in accordance with DOE/EPA standards. DesignLights Consortium® (DLC) qualified luminaire (check QPL for specific models).

Listing:

The TLED-C and TLED-RC low glare canopy series are ETL certified under UL1598 specifications and listed for wet locations.

Warranty:

Any component that fails due to manufacturer's defect is guaranteed for 5 years. The warranty does not cover physical damage, abuse or acts of God. Manufacturer reserves the right to charge for such repairs if deemed necessary.

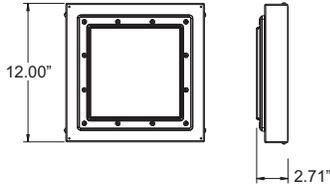
Fixture Performance

Part Number	Total System Watts	Initial Delivered Lumens	Lumens per Watt (LPW)
TLED-RC-20-VS-LG	23	2320	103
TLED-RC-36-VS-LG	41	4208	103

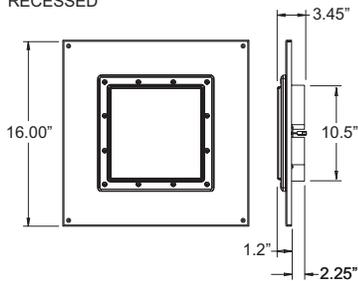
NOTE: Lumen maintenance and life (part of LM-80 data) is per published information from primary LED suppliers and is based on design operation at their specified thermal management and electrical design parameters.

Dimensions

SURFACE STANDARD



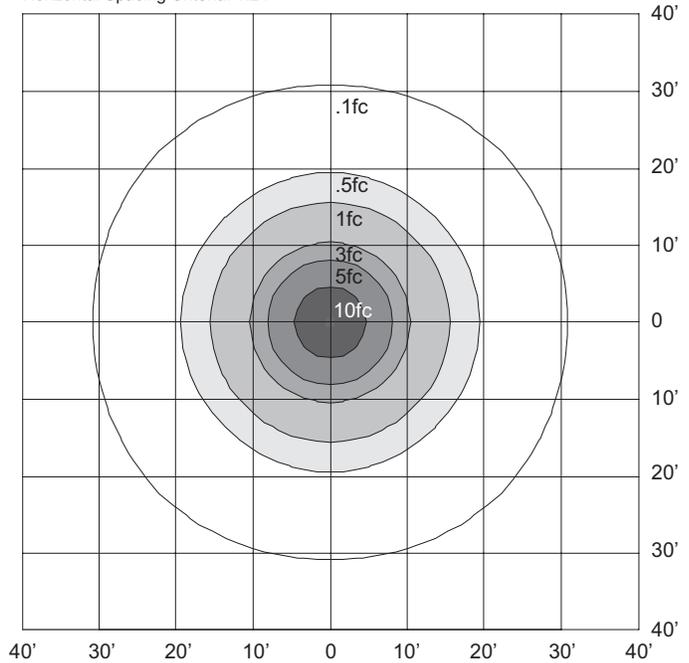
RECESSED



Approximate Weight: 14 lbs.

Sample Photometrics

TLED-C-36-VS-LG Mounted at 10' (Type VS Very Short)
Horizontal Spacing Criteria: 1.24



Ordering Information

Example: TLED-C-36-VS-LG-WW

Series	# of LEDs	Input Voltage	Optics	Finish (Housing/Trim)	Options (Factory Installed)
TLED-C = Standard Canopy	20 = 20 LEDs	VS = 120~277VAC (Voltage Sensing)	LG = Low Glare	WW = White/White	TP = Transient Protection System
TLED-RC = Recessed Canopy	36 = 36 LEDs				CC ¹ = Custom Color

Notes	Accessories ³ (Field Installed)
¹ Consult factory for specific part number and details	PC1 ² = 120VAC Photocontrol
² Not available on recessed units (TLED-RC)	PC2 ² = 208-277VAC Photocontrol
³ Order as separate line item	TLED-C-CP-WW = Canopy Trim Kit (for mounting to surface mount junction box)