



OPT Series

Shown with Standard SS Mounting Loop and Standard M10 top and optional R3 & SF3-6 cordset.

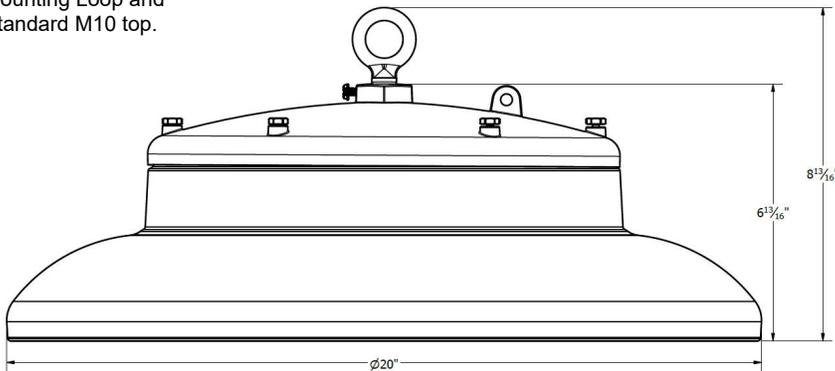


Description

The **OPTIMUM (OPT) Series** is the new, compact, lightweight, wet location, energy efficient LED alternative to 250-400 watt metal halide fixtures. It is maintenance-friendly and fully accessible with only 14 captive SS fasteners. The heavy duty, IP69K rated, smooth water-shed design allows for superior clean-up during sanitation. In addition, a Stainless Steel Mounting Loop and side entry 6' potted cord is installed, ready to mount, out of the box. To address worker safety, the **OPT Series** includes a domed, low-glare lens to provide a less stressful work environment and an attachment loop for use with LEI's optional SS safety cable. The **OPT Series** also offers an optional **ETL LISTED, FACTORY INSTALLED, INTERNAL BATTERY BACK-UP** on all models. The **OPT Series** is your general lighting solution for the food and beverage industry, or any harsh or hose-down environment.

Dimensions

Shown with Standard SS Mounting Loop and Standard M10 top.



NOTES:

1. Dimensions shown are in inches.
2. All dimensions are approximate.
3. LEI reserves the right to change the design at any time without notice.

Date	Catalog #
Type	Project
Prepared by	Comments

Features and Specifications

ENCLOSURE

Heavy duty, two-piece, aluminum housing is designed for superior thermal management. Exterior is protected by an industry proven, white, FDA approved coating. The smooth, water-shed design allows for superior clean-up during sanitation. The **OPT Series** has **NO EXPOSED HEAT SINKS, FINS OR OPENINGS THAT CAN HARBOR OR COLLECT CONTAMINANTS AND BACTERIA**. Robust, custom fabricated, proprietary gaskets provide an enhanced seal which facilitates the IP69K rating. All external hardware is stainless steel.

LENS

Low-glare, domed, chemical-resistant, acrylic lens provides uniform lighting distribution and reduces glare. Lens is sealed in place by a proprietary stainless steel ring and stainless steel captive bolts.

ELECTRICAL

Universal voltage (120V-277V) drivers standard. Optional 0-10V dimming, 480V, and motion sensor configurations are available. **NOTE: Fixtures ordered with optional Battery Back-Up will have a RED top cap for easy identification.** Custom metal clad boards populated with Nichia, greater than 80 CRI LED chips available in either 4000K or 5000K CCT. Standard fixture supplied with side entry only, 3-wire, yellow, six-foot, # 16 AWG, ST00W cable secured by a proprietary, stainless steel, potted strain relief. An optional quick disconnect is also available.

MOUNTING

Threaded M10 top hub is shipped standard with a Stainless Steel Mounting Loop installed and ready to mount. Optional 3/4" NPT Pendant Mount Hub Top available as well as Optional Stainless Steel Hook in 3/4 NPT or M10. Optional stainless steel safety cable is available.

CERTIFICATIONS

- ETL listed UL 1598 for Wet Location
- ETL listed UL 1598 for Battery Back-Up
- ETL listed CSA Std. C22.2 No. 250.0
- ETL listed ANSI/NSF 2 for Splash Zones
- IP69K rated
- DLC Premium **
- DLC Standard **

Warranty

3-year and 5-year limited warranties available. (See LEI's LED Warranty for complete details)

Ordering Information (SS mounting Loop standard)

Example Catalog Number – OPT5-24L-5K-U-FD

OPT5	-	24L	-	5K	-	U	-	FD	-		-	
A		B		C		D		E		F		G
Series		Lumen Package		CCT		Voltage		Lens		Optional Power End		Optional

Catalog Logic:

A. Series

OPT3 = Optimum Series (Non-DLC)
OPT5 = Optimum Series (DLC Listed)

B. Lumen Package

12L = 12,000
16L = 16,000
20L = 20,000
24L = 24,000

C. CCT

4K = 4000K, 80 CRI
5K = 5000K, 80 CRI

D. Voltage

U = (120V-277V)
48 = 480V
UNB = (120V-277V) Non-Switching 10W **Battery Back-Up***
USB = (120V-277V) Switching 10W **Battery Back-Up***

E. Lens

FD = Low-Glare Acrylic – Domed

F. Optional Power End

All fixtures come standard with 6' Yellow Lead, 3-wire, 16 AWG. Or select from the options below.

R3 = Mini-Receptacle, 3-wire, Male
R4 = Mini-Receptacle, 4-wire, Male
4P6 = 6' Yellow Lead, 4-wire, 16 AWG

Optional Controls and Mounting

MOS = Microwave Occupancy Sensor
DMS = Dimming Occupancy Sensor
HKS = M10 hub & SS Mounting Hook
PM = Pendant Mount- 3/4" NPT(no hook)

*20,000 lumen package and below - 10 watts standard. (Not available in 480V)

*24,000 lumen package - (Not available in 480V)

Performance Data

Lumen Package	Lens (Acrylic)	CCT	Actual Lumens	System Watts	Lumens per Watt	CRI
24L	Low -Glare Dome	4000K	24,090	183	131	82
		5000K	<i>24,331</i>	<i>184</i>	<i>132</i>	<i>81</i>
20L		4000K	20,700	153	135	82
		5000K	<i>20,907</i>	<i>153</i>	<i>137</i>	<i>81</i>
16L		4000K	16,240	124	132	82
		5000K	<i>16,402</i>	<i>124</i>	<i>132</i>	<i>83</i>
12L	4000K	13,170	90	146	84	
	5000K	13,340	90	148	83	

Numbers in italics are calculated using LED manufacturers data at 25 degree C.

OPERATING RANGE:

(120V-277V) ==== -20°C to 40°C

(480V) ===== -20°C to 40°C

Battery Back-Up = 0°C to 25°C (When OPT is in "ON - 24/7" mode. Temp rating -40C (-40F)

Consult factory for all available options & configurations.

**Not all configurations of this fixture may be DLC qualified. Please consult the DLC Qualified Products list

@ www.designlights.org to see if the version in which you are interested, is listed.

Replacement Parts & Accessories

SF3-6	Mini-Connector, 3 wire, Female – 6'
SF4-6	Mini-Connector, 4 wire, Female – 6'
SC5	Stainless Steel Safety Cable – 5' Stainless
SC10	Steel Safety Cable – 10'
OPT-FLDKIT	Lens Replacement Kit - Domed, Acrylic
OPT-FLFA	Lens Frame Assembly with Lens- Domed
OPT-HGAS	Housing Gasket
OPT-LGAS	Lens Gasket
OPT-HKL	Stainless steel Loop.
OPT-HKS	Stainless steel Hook - 3/4"
OPT-HKS-M10	Stainless steel Hook - M10

Mounting Options



Optional Battery Back-Up & Safety Cable



HKS

(Stainless Steel Mounting Hook OPTION)
Utilizes M10 threaded hole for Hook or Loop



PM

(Optional 3/4" NPT Pendant Mount (No hook or loop, wires will not enter through top))

