

LED LUMINAIRE

EMERGENCY and NON-EMERGENCY UNITS

Model 30-LED SERIES *Rustproof • Vandal Resistant Non-Conductive*



Highly versatile indoor/outdoor wall/ceiling energy-efficient compact luminaire — also suitable for graphic display of letters, symbols or numbers — delivers the same lumen level in emergency operation as in AC mode. Non-emergency and emergency versions (EM units) of the product are available and allow continuity of aesthetics in multiple luminaire installations, eliminating the need for separate emergency-only units. Emergency mode in the EM luminaire automatically engages on an interruption of power and recharges upon power restoration. Not only do both units meet the challenging issues of indoor/outdoor (Wet Location) applications, but also the EM unit in emergency mode exceeds UL924 illumination requirements. Luminaire provides illumination greater than the industry standard 90-minute duration (in excess of 2 hours with new batteries). Vandal resistant. **Quality engineered with materials offering high resistance to rust, corrosion, moisture, dust and impact.** Lens and housing constructed of high impact-resistant polycarbonate is self-extinguishing to assure more safety to the end user. For coastal environments, docks and piers, military and civilian housing units, office buildings, schools, hotels/motels, apartments/condominiums, government installations, and other commercial/industrial establishments. Luminaire utilizes high quality LEDs and Driver to further enhance reliability and durability while reducing power consumption.

LEDs contain no mercury and emit no ultraviolet light.

LEDs will not break, unlike conventional lamps, if luminaire is dropped.

Specifications

Lens: Injection molded UV-stabilized clear prismatic or opal white polycarbonate in an average .125" thickness with a smooth exterior surface for ease of cleaning, an interior surface offering optimal lumen output and rounded corners offering added strength and user safety. Lens design options include display letters or numbers as specified by customer; standard symbols customer-selected from stock; custom-designed symbols that meet manufacturer's lens regulations; or the lens trimmed in black, white or bronze high-temperature, weather-resistant polyurethane paint.

Base Plate: Rustproof .063" 5052 H-32 tempered marine-grade aluminum.

Housing: Injection molded UV-stabilized reinforced polycarbonate in black, white or bronze. Includes five knockouts suitable for .50" conduit.

Gasket: Closed-cell neoprene rubber in .125" thickness creates a tight seal against contaminants.

LEDs: High Quality Lighting Grade LEDs (Lumen output reduced through Opal White lens)
5,000K Color Temperature

1K (AC) = Net Lumens = 1200 (Efficacy = 120 Lm/W)	Power = 10 W	(120-277V)
1K (EM) = Net Lumens = 1200	Power = 14.6 W	(120-277V)
K6 (AC) = Net Lumens = 600	Power = 5.2 W	(120 only)
K3 (AC) = Net Lumens = 300	Power = 3.5 W	(120 only)
Model 30-WP-HZ-LED = Net Lumens = 1200	Power = 9.6W	(120-277V)
Model 30-WP-LED = Net Lumens = 1200	Power = 9.6W	(120-277V)

Warranted for five (5) years.

LED Life: Lumen Maintenance (TM-21-11 70% Projection)

1K (AC) = 127,000 Hrs	(25°C/77°F)	= 15 years of 24/7 LED life
1K (AC) = 95,000 Hrs	(50°C/122°F)	= 11 years of 24/7 LED life
K6 (AC) = 137,000 Hrs	(25°C/77°F)	= 16 years of 24/7 LED life
K6 (AC) = 117,000 Hrs	(50°C/122°F)	= 13 years of 24/7 LED life
K3 (AC) = 137,000 Hrs	(25°C/77°F)	= 16 years of 24/7 LED life
K3 (AC) = 126,000 Hrs	(50°C/122°F)	= 14 years of 24/7 LED life
30-WP-HZ = 86,000 Hrs	(25°C/77°F)	= 10 years of 24/7 LED life
30-WP-HZ = 168,000 Hrs	(50°C/122°F)	= 19 years of 24/7 LED life

Calculations Based on US Department of Energy Worksheet

Driver: High Quality Driver
AC Input: 120V-277V, 50/60Hz
FCC EMI
Complies with FCC rules and regulations, as per Title 47 CFR Part 15 Non-Consumer (Class A) for EMI/RFI (conducted and radiated) at full load.
Warranted for five (5) years by Driver manufacturer.



Emergency Battery Pack: Lithium Iron Phosphate battery maintenance free with a life expectancy of 7-10 years and over 90 minutes of emergency lighting. Exterior indicator light reveals that battery is charging during normal operation. During a power interruption, the unit automatically switches to emergency mode. When AC power is restored, the battery is recharged (within 48 hours maximum for a fully discharged battery). In Emergency mode, unit can operate efficiently at temperatures down to 10°C (50°F) and up to 40°C (104°F).
Warranted for five (5) years by Battery Pack manufacturer and is field replaceable.

Hardware: Two (2) stainless steel 8-32x3/8 phillips truss head screws or tamperproof screws (must specify) attach lens to base plate. Mounting hardware included.

ETL-US and ETL-C Listed—Wet Location
UL1598 for Non-Emergency Luminaire.
UL 924 for Emergency Luminaire.
LM-79 and LM-80 Test Data Available.
No Category for DLC.



All polycarbonate components meet Underwriters Laboratories 746C tests for polymeric material and carry a flammability rating of 94HB or better on lenses and the superior 94-5V rating on housings.

Luminaire Type _____
Catalog Number _____
Product Code _____
Job Name _____
Approval _____

Wf Harris Lighting, Inc.

Innovative Lighting Designs Since 1970
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"A Live Operator Company Standing Ready to Serve Your Lighting Needs"

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Ordering Information


Fill In Blocks for Complete Catalog Number

Model	Output	Lens	Housing or Combination Lens Trim/Housing Color	Volts	Options	Specify up to four (4) numbers/letters for NL model.
30-LED ¹	K3 -300 Net Lumens ¹¹	CP - Clear Prismatic	HK - Black Housing/Trim	120	EM- Emergency Operation ⁹	
30-WP-LED ^{3,8} Wall Pack	K6 - 600 Net Lumens ¹¹	OW - Opal White ⁷	HW - White Housing/Trim	120-277 ⁸	GM- Graphics "Men" ^{6,10}	
30-WP-HZ-LED ^{4,8} Horizontal Wall Pack	1K - 1200 Net Lumens		HB - Bronze Housing/Trim		GW- Graphics "Women" ^{6,10}	
30-NL ^{1,5} Graphics					TPS - Tamperproof Screws ²	

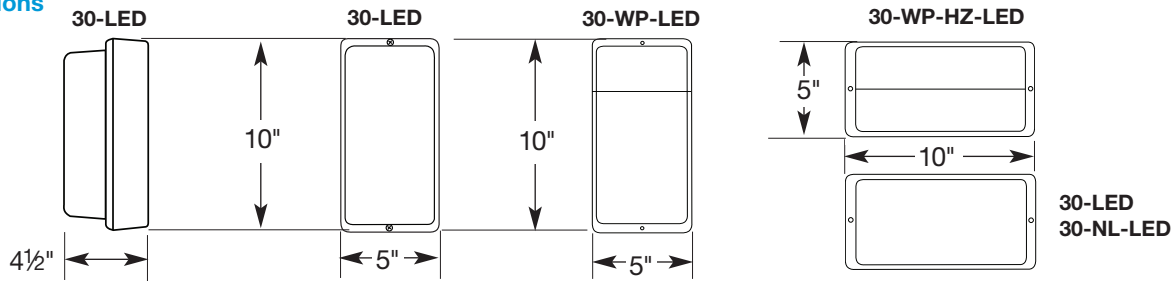
- 1 Only Housing color is applicable.
- 2 No additional charge if specified with initial order.
- 3 Single painted top end, vertical orientation. Clear prismatic lens only.
- 4 Single painted top end, horizontal orientation. Clear prismatic lens only.
- 5 Only Opal White Lens available.
- 6 Available only with 30-NL-LED.
- 7 Lumen output is reduced through Opal White lens.
- 8 Only available in 1K Output.
- 9 Emergency option only available in 1K Output.
- 10 Consult Factory for Price and Availability
- 11 Only 120V is available.

Accessories

(Order Separately)

TPT - Tamperproof Screwdriver 

Dimensions



LEDs and the W. F. Harris Lighting Advantage

The lighting grade LEDs used by W. F. Harris Lighting provide the long sought-after stability demanded for commercial illumination in brightness, efficacy, life time, and color temperatures. Can be used in commercial/industrial illumination applications, hospitals, schools, universities, government buildings, military installations and freezer applications.

W. F. Harris Lighting LED-based luminaires reduce ownership costs through four factors —

- (1) Maintenance avoidance – LEDs last much longer than traditional lamps plus the fixture is non-rusting and vandal resistant.
- (2) Reduced energy cost of the LEDs.
- (3) Reduced cost in operation of freezer compressors due to lower wattage and less heat.
- (4) LEDs will not break, unlike conventional lamps, if luminaire is dropped.
- (5) LEDs contain no mercury and emit no ultraviolet light.

These lighting grade LEDs offer efficient illumination that - depending on the application - can last up to 100,000 hours before their light output falls below 70% of original illumination and even longer in refrigerated environments.

Application-specific units available to meet a customer's unique lighting requirements.

After the customer provides W. F. Harris Lighting with specific requirements for a lighting application, our in-house LED Application Engineering Department will adjust the fixture to satisfy those requirements. Once completed, a Product Code will be assigned and used to order application-specific units.



LENS AND HOUSING CARRY A LIFETIME GUARANTEE AGAINST BREAKAGE.

Specifications Subject to Change Without Notice.

W.F. Harris Lighting, Inc.

Innovative Lighting Designs Since 1970

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"W. F. Harris Lighting Will Not Sacrifice Quality for the Sake of Price."