

LED LUMINAIRE

Model 50-M-F Model 50-M-D

Corrosion Resistant
Vandal Resistant



Energy saving, energy efficient ceiling luminaire where style is as important as endurance, dependability and reduced operating costs.

Quality engineered with materials offering high corrosion and impact resistance. The **Aluminum Base Plate** is completely powder coated white with no bare metal. The smooth, impact-resistant **polycarbonate** lens allows ease of cleaning and provides clean uniform light diffusion.

Ideal for applications in building interiors, walkways, corridors, canopies, stairwells and breezeways. Suitable for schools and universities as well as for commercial, industrial, government and civic facilities. High quality LEDs and Driver ensure high reliability and durability while delivering low power consumption. Also suitable for on-wall installation in decorative function/design applications.

LEDs contain no mercury and emit no ultraviolet light.

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

Specifications

Lens: Injection molded UV-stabilized **polycarbonate**. Average thickness is .061". Opal White lens provides clean, uniform light output and diffusion; smooth exterior surface allows ease of cleaning.

Base Plate: 3003-H14 Aluminum, powder coated white. Features keyhole slots for trouble-free mounting to standard junction boxes, requiring no additional hardware.

LEDs: **High Quality Lighting Grade LEDs**
5,000K Color Temperature.
1K1: Net Lumens= 1100 Power= 10W Efficacy = 110Lm/W
2K3: Net Lumens= 2300 Power= 23W Efficacy = 100Lm/W
Warranted for five (5) years.

LED Life: **Lumen Maintenance** (TM-21-11 70% Projection - Please see reverse side for additional information.)
2K3: 86,000 Hrs (25°C /77°F) = 9.8 years of 24/7 LED life
164,000 Hrs (46°C/122°F) = 18.7 years of 24/7 LED life
1K1: 410,000 Hrs (25°C /77°F) = 47years of 24/7 LED life
187,000 Hrs (46°C/122°F) = 21.3 years of 24/7 LED life
Calculations Based on US Department of Energy Worksheet

Energy Advantage: Equivalent to an A21 Incandescent lamp that uses:
200 watts of energy to produce 2235 lumens;
100 watts of energy to produce 1000 lumens.



Model 50-M-F



Model 50-M-D

Driver: **High Quality Driver**
Class 2 Power Supply. AC Input: 120-277V, 50/60Hz
(Note: 277V is not dimmable)



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.

Hardware: Nylon lens retaining screws for simple installation and maintenance.



ETL-US and ETL-C Listed
(UL1598 for Non-Emergency Operation)
Suitable for Damp Location Applications

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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Form 2539 7/16

"A Live Operator Company Standing Ready to Serve Your Lighting Needs"

LED LUMINAIRE

Ordering Information

Fill In Block For Complete Catalog Number

Model - Dome Lens

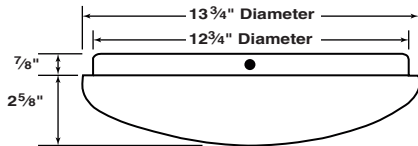
50-M-D-1K1-120-277 - Net Lumens = 1100
50-M-D-2K3-120-277 - Net Lumens = 2300

Model - Flat Lens

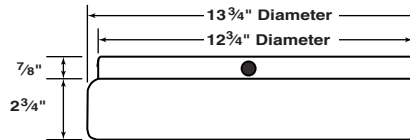
50-M-F-1K1-120-277 - Net Lumens = 1100
50-M-F-2K3-120-277 - Net Lumens = 2300

Dimensions

Model - Dome Lens



Model - Flat Lens



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 five factors —

- (1) Maintenance avoidance – LEDs last much longer than traditional lamps plus the luminaires are corrosion 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.

Note: TN-21-11 is an industry-standard life expectancy calculation tool which, in this case, is used to determine the number of hours of life until the LED output becomes 70% of the initial value.

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 luminaire to satisfy those requirements. Once completed, a Product Code will be assigned and used to order application-specific units.



POLYCARBONATE LENS CARRIES A LIFETIME WARRANTY AGAINST BREAKAGE.

Specifications Subject to Change Without Notice.

W.F. Harris Lighting, Inc.

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Form 2539

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