

# MILLENIUM™ OVAL

## MO13 SERIES – DEEP HOUSING PROFILE

### PRODUCT FEATURES:

- » Surface mount – ceiling (n/a with MO13ED) or wall; 9"W×13"H×7"D
- » Aluminum baseplate with UV-stabilized high impact lens
- » Peace of Mind Guarantee® against breakage
- » Tested to IESNA LM-79-08 standards



### PROJECT INFORMATION

Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

Approved by \_\_\_\_\_

### SPECIFICATIONS

**HOUSING:** Marine grade die-cast aluminum. Rib reinforced construction. Integral heat sinks. Housing flange interlocks and wraps around lens base producing maximum moisture deflection and resistance to prying. Housing provided with four-point mounting holes, one wireway hole and temporary junction box mounting capabilities. Standard matte black, dark bronze or matte white exterior TGIC polyester powder coat – 5-step pre-treatment. See Ordering Information for optional finishes.

**REFLECTOR:** Full reflector/wire cover – 92% reflectivity.

**LENS:** UV-stabilized, high impact resistant, virgin injection molded polycarbonate. High efficiency blondel fluted lens maximizes uniformity. Close tolerance mating of injection molded lens and lens base facilitates set up and installation. Lens and lens base secured with two concealed captive Torx® with center pin fasteners.

**LENS BASE/GRILLE:** High impact resistant, injection molded matte black, dark bronze or matte white polycarbonate. Optional Light Gray, Silver, Forest Green or Custom Color (see Ordering Information below) are chemically bonded, impact resistant finishes.

**GASKETING:** Die-cut, closed cell neoprene self adhesive gasket seals housing to mounting surface. Closed cell, silicone "O" ring gaskets positioned and friction secured in gasket channels of lens base and housing.

**HARDWARE:** Two stainless steel Torx® with center pin fasteners.

**ELECTRICAL:** Available in 3500K, 4000K, and 5000K color temperatures, 80 CRI. 120-277VAC, 50/60Hz electrical input with high power factor electronic, constant-current driver (>.90 PF). Standard 0-10V dimming with 1-100% range; maximum driver source of 200 µA.

**PHOTOMETRICS:** Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For additional photometric information, go to [www.kenall.com](http://www.kenall.com).

**WARRANTY:** Limited five (5) year LED warranty.

**LISTINGS:** Luminaire is certified to UL Standards by either Underwriters Laboratory or Intertek Laboratory for Wet Location (includes Emergency Battery Pack "LEL" option). UL certified IP64 per IEC 60598.



### ORDERING INFORMATION (Ex: MO13FD-PP-MB-20L40K-DV)

| Model                                    | Lens Type | Finish | Lamp Type                       | Voltage | Options   | Accessories |
|--|-----------|--------|---------------------------------|---------|---|-------------|
| <b>PP</b>                                |           |        |                                 |         |   |             |
| <b>Model</b>                             |           |        | <b>Lamp Type</b>                |         | <b>Options</b>  |             |
| MO13FD Full Face                         |           |        | <b>MO13BD/CD/FD</b>             |         | <b>LEL</b> LEL Emergency Battery Backup (n/a with 347V)             |             |
| MO13BD Bar                               |           |        | <b>10L35K</b> 10 Watt 3500K LED |         | <b>BPC</b> Photo Control – Shielded Button Type (120V or 277V only) |             |
| MO13CD Cross                             |           |        | <b>10L40K</b> 10 Watt 4000K LED |         | <b>FS</b> Single Fuse & Holder                                      |             |
| MO13ED Eyelid                            |           |        | <b>10L50K</b> 10 Watt 5000K LED |         | <b>NAT</b> Natatorium Environment Option                            |             |
| <b>Lens Type</b>                         |           |        | <b>20L35K</b> 20 Watt 3500K LED |         | <b>Accessories</b>  |             |
| PP Pearlescent Polycarbonate             |           |        | <b>20L40K</b> 20 Watt 4000K LED |         | <b>9500</b> Torx® Screwdriver                                       |             |
|  |           |        | <b>20L50K</b> 20 Watt 5000K LED |         |   |             |
| <b>Finish</b>                            |           |        | <b>MO13ED</b>                   |         |   |             |
| <b>MB</b> Matte Black                    |           |        | <b>8L35K</b> 8 Watt 3500K LED   |         |   |             |
| <b>MW</b> Matte White                    |           |        | <b>8L40K</b> 8 Watt 4000K LED   |         |   |             |
| <b>DB</b> Dark Bronze                    |           |        | <b>8L50K</b> 8 Watt 5000K LED   |         |   |             |
| <b>LG</b> Light Gray                     |           |        | <b>16L35K</b> 16 Watt 3500K LED |         |   |             |
| <b>SL</b> Silver                         |           |        | <b>16L40K</b> 16 Watt 4000K LED |         |   |             |
| <b>FG</b> Forest Green                   |           |        | <b>16L50K</b> 16 Watt 5000K LED |         |   |             |
| <b>CC</b> Custom Color (Consult factory) |           |        |                                 |         |   |             |
|  |           |        | <b>Voltage</b>                  |         |   |             |
|  |           |        | <b>120</b> 120 Volts            |         |   |             |
|  |           |        | <b>277</b> 277 Volts            |         |   |             |
|  |           |        | <b>347†</b> 347 Volts           |         |   |             |
|  |           |        | <b>DV†</b> 120-277 Volts        |         |   |             |

† n/a with BPC



[www.kenall.com](http://www.kenall.com) | P: 800-4-Kenall | F: 262-891-9701 | 10200 55th Street Kenosha, Wisconsin 53144, USA

A brand of **Legrand**

This product complies with the Buy American Act: manufactured in the United States with more than 50% of the component cost of US origin. It may be covered by patents found at [www.kenall.com/patents](http://www.kenall.com/patents). Content of specification sheets is subject to change; please consult [www.kenall.com](http://www.kenall.com) for current product details. ©2019 Kenall Mfg. Co.

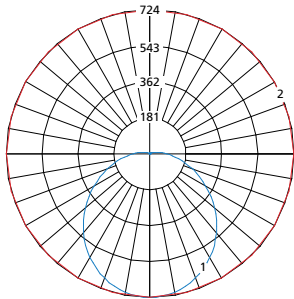
# MILLENIUM™ OVAL

## MO13 SERIES – DEEP HOUSING PROFILE

| Model  | Lamp Type | Initial Delivered Lumens |                 | Input Power (W) | Drive Current (mA) | Estd. L70 LED Life (hrs) |
|--------|-----------|--------------------------|-----------------|-----------------|--------------------|--------------------------|
|        |           | @ 25°C (lm)              | Efficacy (lm/W) |                 |                    |                          |
| MO13FD | 10L35K    | 1,202                    | 93              | 13              | 94                 | 100,000                  |
|        | 10L40K    | 1,202                    | 93              | 13              | 94                 | 100,000                  |
|        | 10L50K    | 1,310                    | 102             | 13              | 94                 | 100,000                  |
|        | 20L35K    | 2,320                    | 97              | 24              | 94                 | 100,000                  |
|        | 20L40K    | 2,320                    | 97              | 24              | 94                 | 100,000                  |
|        | 20L50K    | 2,529                    | 106             | 24              | 94                 | 100,000                  |
| MO13BD | 10L35K    | 1058                     | 82              | 13              | 94                 | 100,000                  |
|        | 10L40K    | 1058                     | 82              | 13              | 94                 | 100,000                  |
|        | 10L50K    | 1153                     | 89              | 13              | 94                 | 100,000                  |
|        | 20L35K    | 2042                     | 85              | 24              | 94                 | 100,000                  |
|        | 20L40K    | 2042                     | 85              | 24              | 94                 | 100,000                  |
|        | 20L50K    | 2225                     | 93              | 24              | 94                 | 100,000                  |
| MO13CD | 10L35K    | 965                      | 75              | 13              | 94                 | 100,000                  |
|        | 10L40K    | 965                      | 75              | 13              | 94                 | 100,000                  |
|        | 10L50K    | 1052                     | 82              | 13              | 94                 | 100,000                  |
|        | 20L35K    | 1863                     | 78              | 24              | 94                 | 100,000                  |
|        | 20L40K    | 1863                     | 78              | 24              | 94                 | 100,000                  |
|        | 20L50K    | 2030                     | 85              | 24              | 94                 | 100,000                  |
| MO13ED | 8L35K     | 1,032                    | 90              | 11              | 75                 | 85,000                   |
|        | 8L40K     | 1,032                    | 90              | 11              | 75                 | 85,000                   |
|        | 8L50K     | 1,124                    | 98              | 11              | 75                 | 85,000                   |
|        | 16L35K    | 1,686                    | 84              | 20              | 150                | 85,000                   |
|        | 16L40K    | 1,686                    | 84              | 20              | 150                | 85,000                   |
|        | 16L50K    | 1,837                    | 91              | 20              | 150                | 85,000                   |

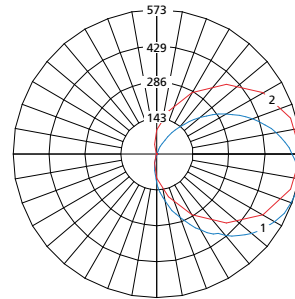
Info subject to change. Visit [www.kenall.com](http://www.kenall.com) for IES files and additional information.

Model: MO13FD-PP-MW-20L40K-DV



Max Candela = 724 Located At Horizontal Angle = 0, Vertical Angle = 0  
 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

Model: MO13ED-PP-MW-16L40K-DV



Max Candela = 573 Located At Horizontal Angle = 0, Vertical Angle = 65  
 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)



[www.kenall.com](http://www.kenall.com) | P: 800-4-Kenall | F: 262-891-9701 | 10200 55th Street Kenosha, Wisconsin 53144, USA

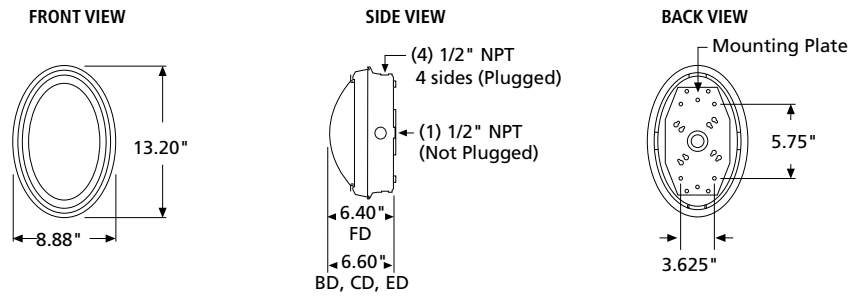
A brand of Legrand

This product complies with the Buy American Act: manufactured in the United States with more than 50% of the component cost of US origin. It may be covered by patents found at [www.kenall.com/patents](http://www.kenall.com/patents). Content of specification sheets is subject to change; please consult [www.kenall.com](http://www.kenall.com) for current product details. ©2019 Kenall Mfg. Co.

# MILLENIUM™ OVAL

## MO13 SERIES – DEEP HOUSING PROFILE

### DIMENSIONAL DATA



www.kenall.com | P: 800-4-Kenall | F: 262-891-9701 | 10200 55th Street Kenosha, Wisconsin 53144, USA

A brand of  **Legrand**

This product complies with the Buy American Act: manufactured in the United States with more than 50% of the component cost of US origin. It may be covered by patents found at [www.kenall.com/patents](http://www.kenall.com/patents). Content of specification sheets is subject to change; please consult [www.kenall.com](http://www.kenall.com) for current product details. ©2019 Kenall Mfg. Co.