

# MILLENIUM™ ROUND

## MR13 SERIES – SEMI-RECESSED

### PRODUCT FEATURES:

- » Surface mount – ceiling (n/a with MR13ESR) or wall; 14" Dia. x 3"D
- » Peace of Mind Guarantee® against breakage
- » Dust and water protected to IP64 standards
- » ADA compliant

### SPECIFICATIONS:

**HOUSING (SERIES PP, ND, CO):** Die-cast aluminum housing with integral heat sinks. Housing interlocks to lens base producing maximum moisture deflection and resistance to prying. Standard dark bronze exterior TGIC polyester powder coat – 5-step pre-treatment.

**HOUSING (SERIES NL, CC):** 18-gauge CRS housing. Housing interlocks to lens base producing maximum moisture deflection and resistance to prying. Standard matte white exterior TGIC polyester powder coat – 5-step pre-treatment.

**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 push/turn/lock-in-place mating of injection molded lens and lens base. Lens and lens base secured with one concealed captive Torx® with center pin fastener.

**LENS BASE:** Marine grade die-cast aluminum. Standard matte black, dark bronze or matte white exterior TGIC polyester powder coat – 5-step pre-treatment. See Ordering Information for optional finishes.

**LENS GRILL:** High impact resistant, injection molded opaque black, bronze, or white polycarbonate. Optional Light Gray, Silver, or Forest Green (see Ordering Information below) are chemically bonded, impact resistant finishes.

**GASKETING:** Closed cell, silicone "O" ring gaskets positioned in gasket channels of lens base and in Series PP, ND, CO housing.

**HARDWARE:** One stainless steel Torx® with center pin fastener.

**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.

**SENSOR & CONTROLS:** Optional sensor available with compatible third party controls. To see the full list of compatible controls, [click here](#).

**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](#).

**INSTALLATION:** See [Technical Data Sheets](#) for semi-recessed installation details, mounting options and rough-in box part number.

**WARRANTY:** Limited five (5) year LED warranty. [Peace of Mind Guarantee against breakage](#).

**LISTINGS:** UL and CUL listed for Wet Location (listing includes Emergency Battery Pack "EL" option). UL certified IP64 per IEC 60598.



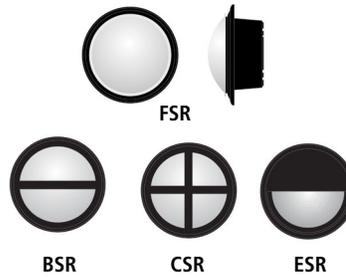
### PROJECT INFORMATION

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

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

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

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



### ORDERING INFORMATION (Ex: MR13FSR-ND-PP-MB-20L40K-DV)

| Model                | Mounting Type                           | Lens Type | Finish                            | Lamp Type         | Voltage | Options  | Accessories       |
|----------------------|---|-----------|-----------------------------------|-------------------|---------|--|-------------------|
| <b>PP</b>            |   |           |                                   |                   |         |  |                   |
| <b>Model</b>         |   |           | <b>Finish</b>                     |                   |         | <b>Options</b>   |                   |
| MR13BSR              | Bar                                     |           | MB Matte Black                    |                   |         | LEL† LED Emergency Battery Backup (n/a with 347V)            |                   |
| MR13CSR              | Cross                                   |           | MW Matte White                    |                   |         | 20KV† 20KV/KA Surge Protection per IEEE/ANSI C62.41.2 Cat. A |                   |
| MR13ESR              | Eyelid                                  |           | DB Dark Bronze                    |                   |         | FS Single Fuse & Holder                                      |                   |
| MR13FSR              | Full Face                               |           | LG Light Gray                     |                   |         | NAT Natatorium Environment Option                            |                   |
|                      |   |           | SL Silver                         |                   |         |  |                   |
|                      |   |           | FG Forest Green                   |                   |         |  |                   |
|                      |   |           | CC Custom Color (Consult factory) |                   |         |  |                   |
| <b>Mounting Type</b> |   |           | <b>Lamp Type</b>                  |                   |         | <b>Accessories</b>   |                   |
| PP                   | Pour-in-Place or Masonry                |           | 10L35K                            | 10 Watt 3500K LED |         | 9500   | Torx® Screwdriver |
| ND                   | Non IC (Deep Profile)                   |           | 10L40K                            | 10 Watt 4000K LED |         |  |                   |
| NL                   | Non IC (Low Profile)                    |           | 10L50K                            | 10 Watt 5000K LED |         |  |                   |
| CC*                  | Canopy (Covered Top) (n/a with MR13ESR) |           | 20L35K                            | 20 Watt 3500K LED |         |  |                   |
| CO*                  | Canopy (Open Top) (n/a with MR13ESR)    |           | 20L40K                            | 20 Watt 4000K LED |         |  |                   |
|                      |   |           | 20L50K                            | 20 Watt 5000K LED |         |  |                   |
| <b>Lens Type</b>     |   |           | <b>Voltage</b>                    |                   |         |  |                   |
| PP                   | Pearlescent Polycarbonate               |           | 347                               | 347 Volts         |         |  |                   |
|                      |   |           | DV                                | 120-277 Volts     |         |  |                   |

\* Ceiling Mounting Only  
 † LEL and 20KV options not available in conjunction



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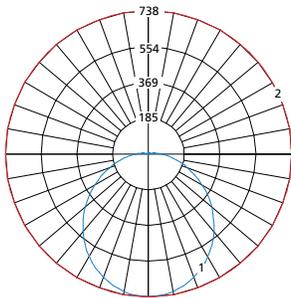
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| PERFORMANCE |           | Initial Delivered Lumens |                 | Input Power (W) | Drive Current (mA) | Estd. L70 LED Life (hrs) |
|-------------|-----------|--------------------------|-----------------|-----------------|--------------------|--------------------------|
| Model       | Lamp Type | @ 25°C (lm)              | Efficacy (lm/W) |                 |                    |                          |
| MR13FSR     | 10L35K    | 1,166                    | 90              | 13              | 94                 | 130,000                  |
|             | 10L40K    | 1,166                    | 90              | 13              | 94                 | 130,000                  |
|             | 10L50K    | 1,270                    | 98              | 13              | 94                 | 130,000                  |
|             | 20L35K    | 2,250                    | 96              | 24              | 94                 | 130,000                  |
|             | 20L40K    | 2,250                    | 96              | 24              | 94                 | 130,000                  |
|             | 20L50K    | 2,453                    | 104             | 24              | 94                 | 130,000                  |
| MR13BSR     | 10L35K    | 1,026                    | 79              | 13              | 94                 | 130,000                  |
|             | 10L40K    | 1,026                    | 79              | 13              | 94                 | 130,000                  |
|             | 10L50K    | 1,118                    | 86              | 13              | 94                 | 130,000                  |
|             | 20L35K    | 1,980                    | 84              | 24              | 94                 | 130,000                  |
|             | 20L40K    | 1,980                    | 84              | 24              | 94                 | 130,000                  |
|             | 20L50K    | 2,158                    | 92              | 24              | 94                 | 130,000                  |
| MR13CSR     | 10L35K    | 936                      | 72              | 13              | 94                 | 130,000                  |
|             | 10L40K    | 936                      | 72              | 13              | 94                 | 130,000                  |
|             | 10L50K    | 1,020                    | 79              | 13              | 94                 | 130,000                  |
|             | 20L35K    | 1,807                    | 77              | 24              | 94                 | 130,000                  |
|             | 20L40K    | 1,807                    | 77              | 24              | 94                 | 130,000                  |
|             | 20L50K    | 1,969                    | 84              | 24              | 94                 | 130,000                  |
| MR13ESR     | 10L35K    | 871                      | 67              | 13              | 94                 | 130,000                  |
|             | 10L40K    | 871                      | 67              | 13              | 94                 | 130,000                  |
|             | 10L50K    | 950                      | 73              | 13              | 94                 | 130,000                  |
|             | 20L35K    | 1,682                    | 72              | 24              | 94                 | 130,000                  |
|             | 20L40K    | 1,682                    | 72              | 24              | 94                 | 130,000                  |
|             | 20L50K    | 1,833                    | 78              | 24              | 94                 | 130,000                  |

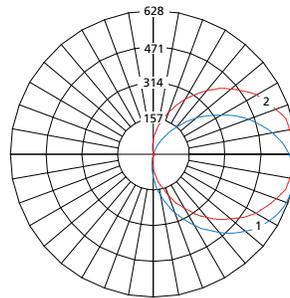
Info subject to change. Visit [www.kenall.com](http://www.kenall.com) for IES files and additional information.

Model: MR13FSR-PP-MW-20L40K-DV



Max Candela = 738 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: MR13ESR-PP-MW-20L40K-DV



Max Candela = 628 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.)



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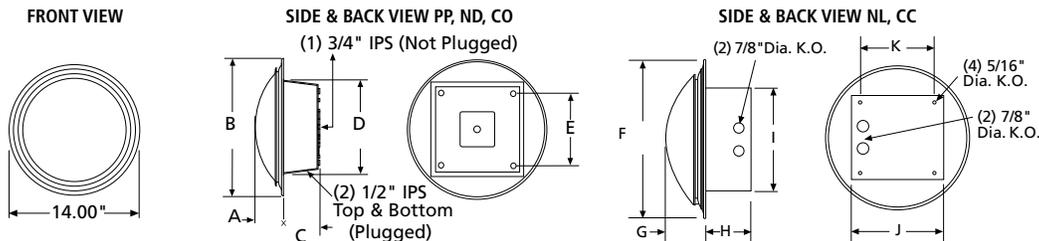
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### DIMENSIONAL DATA



**DIMENSIONAL DATA (IN INCHES)**

|            | A    | B     | C    | D    | E    | F     | G    | H    | I    | J    | K    |
|------------|------|-------|------|------|------|-------|------|------|------|------|------|
| <b>FSR</b> | 2.80 | 14.00 | 4.10 | 9.00 | 6.40 | 14.00 | 2.80 | 3.80 | 8.88 | 8.88 | 7.00 |
| <b>BSR</b> | 3.00 | 14.00 | 4.10 | 9.00 | 6.40 | 14.00 | 3.00 | 3.80 | 8.88 | 8.88 | 7.00 |
| <b>CSR</b> | 3.00 | 14.00 | 4.10 | 9.00 | 6.40 | 14.00 | 3.00 | 3.80 | 8.88 | 8.88 | 7.00 |
| <b>ESR</b> | 3.00 | 14.00 | 4.10 | 9.00 | 6.40 | 14.00 | 3.00 | 3.80 | 8.88 | 8.88 | 7.00 |

