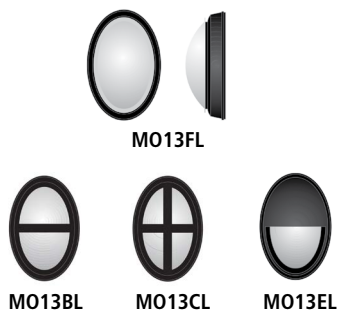


# MILLENIUM™ OVAL

## MO13 SERIES – LOW PROFILE HOUSING

### PRODUCT FEATURES:

- » Surface mount – ceiling (n/a with MO13EL) or wall mount; 9"Wx13"Hx4"D
- » Aluminum baseplate with UV-stabilized high impact lens
- » ADA compliant
- » Peace of Mind Guarantee® against breakage
- » Tested to IESNA LM-79-08 standards



### PROJECT INFORMATION

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

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

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

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

### SPECIFICATIONS

**BASEPLATE:** Marine grade die-cast aluminum. Integral heat sinks. Baseplate flange interlocks and wraps around lens base producing maximum moisture deflection and resistance to prying. Baseplate provided with four-point mounting holes, one wireway hole and temporary junction box mounting capabilities – See Installation Detail. 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 baseplate to mounting surface. Closed cell, silicone "O" ring gaskets positioned and friction secured in gasket channels of lens base, baseplate and optional surface adapter.

**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 Testing Laboratory for Wet Location (listing includes Emergency Battery Pack "LEL" option). UL certified IP64 per IEC 60598. ADA compliant.



### ORDERING INFORMATION (Ex: MO13FL-PP-DB-20L50K-DV)

Model	Lens Type	Finish	Lamp Type	Voltage	Options	Accessories
<b>PP</b>						
<b>Model</b>			<b>Lamp Type</b>		<b>Options</b>	
<b>MO13FL</b>	Full Face		<b>MO13BL/CL/FL</b>		<b>LEL-SA</b>	LED Emergency Battery Backup with Die-cast Surface Adapter (SA) - Non ADA (n/a with 347V)
<b>MO13BL</b>	Bar		<b>10L35K</b>	10 Watt 3500K LED	<b>BPC-SA</b>	Photo Control – Shielded Button Type with Die-cast Surface Adapter (SA) - Non ADA (120V or 277V only)
<b>MO13CL</b>	Cross		<b>10L40K</b>	10 Watt 4000K LED	<b>FS</b>	Single Fuse & Holder
<b>MO13EL</b>	Eyelid		<b>10L50K</b>	10 Watt 5000K LED	<b>NAT</b>	Natorium Environment Option
<b>Lens Type</b>			<b>20L35K</b>	20 Watt 3500K LED		
<b>PP</b>	Pearlescent Polycarbonate		<b>20L40K</b>	20 Watt 4000K LED		
<b>20L50K</b>			<b>20L50K</b>	20 Watt 5000K LED		
<b>Finish</b>			<b>MO13EL</b>		<b>Accessories</b>	
<b>MB</b>	Matte Black		<b>8L35K</b>	8 Watt 3500K LED	<b>SA</b>	Die-Cast Surface Adapter – Non ADA
<b>MW</b>	Matte White		<b>8L40K</b>	8 Watt 4000K LED	<b>9500</b>	Torx® Screwdriver
<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
- \* When 347V is ordered, fixture will be supplied with Die-Cast Surface Adapter (SA) — Non ADA



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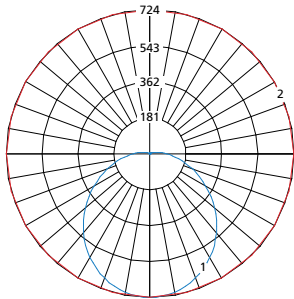
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## MO13 SERIES – LOW PROFILE HOUSING

PERFORMANCE		Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (hrs)
Model	Lamp Type	@ 25°C (lm)	Efficacy (lm/W)			
MO13FL	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
MO13BL	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
MO13CL	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
MO13EL	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

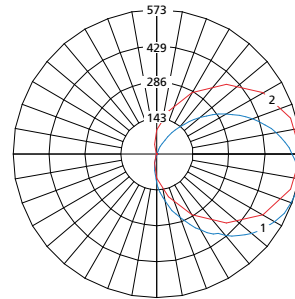
Info subject to change. Visit [www.kenall.com](http://www.kenall.com) for IES files and additional information.

Model: MO13FL-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: MO13EL-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.)



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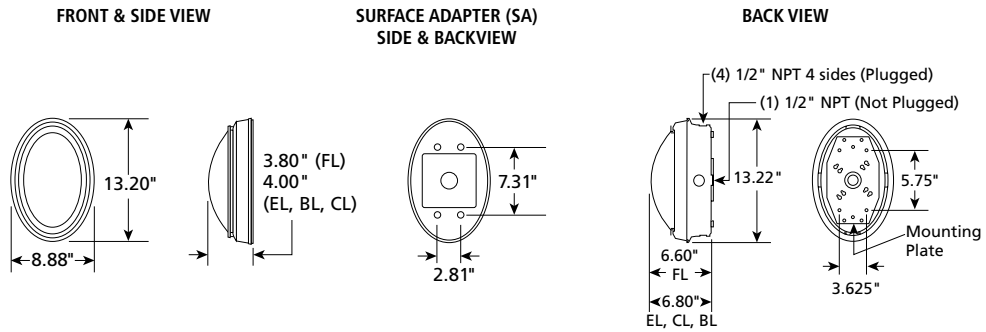
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## MO13 SERIES – LOW PROFILE HOUSING

### DIMENSIONAL DATA



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