

# MILLENIUM™ OVAL

## MO13 SERIES – HORIZONTAL LOW PROFILE

### PRODUCT FEATURES:

- » Surface mount – ceiling; 13"W×9"H×4"D
- » Aluminum baseplate with UV-stabilized high impact lens
- » Peace of Mind Guarantee® against breakage
- » ADA Compliant
- » 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. 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.

**EYELID:** High impact resistant, injection molded opaque black, bronze or white polycarbonate. Internal rib reinforced design. Eyelid shields lamp from viewing angle and provides backlight. For optional chemically bonding, impact resistant finishes, see Ordering Information.

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



### ORDERING INFORMATION (Ex: MO13HL-PP-DB-16L40K-DV)

Model	Lens Type	Finish	Lamp Type	Voltage	Options	Accessories
<b>PP</b>						
<b>Model</b>			<b>Lamp Type</b>		<b>Options</b>	
MO13HL	Eyelid		<b>MO13HL</b>		<b>LEL-SA</b>	LED Emergency Battery Backup with Die-cast Surface Adapter (SA) - Non ADA (n/a with 347V)
MO13HBL	Bar		<b>8L35K</b>	8 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>8L40K</b>	8 Watt 4000K LED	<b>FS</b>	Single Fuse & Holder
			<b>8L50K</b>	8 Watt 5000K LED	<b>NAT</b>	Natorium Environment Option
<b>Lens Type</b>			<b>16L35K</b>	16 Watt 3500K LED		
PP	Pearlescent Polycarbonate		<b>16L40K</b>	16 Watt 4000K LED		
			<b>16L50K</b>	16 Watt 5000K LED		
<b>Finish</b>			<b>MO13HBL</b>		<b>Accessories</b>	
DB	Dark Bronze		<b>10L35K</b>	10 Watt 3500K LED	<b>SA</b>	Die-Cast Surface Adapter – Non ADA
FG	Forest Green		<b>10L40K</b>	10 Watt 4000K LED	<b>9500</b>	Torx® Screwdriver
LG	Light Gray		<b>10L50K</b>	10 Watt 5000K LED		
MB	Matte Black		<b>20L35K</b>	20 Watt 3500K LED		
MW	Matte White		<b>20L40K</b>	20 Watt 4000K LED		
SL	Silver		<b>20L50K</b>	20 Watt 5000K LED		
CC	Custom Color (Consult factory)					
			<b>Voltage</b>			
			120	120 Volts		
			277	277 Volts		
			347†*	347 Volts		
			DV†	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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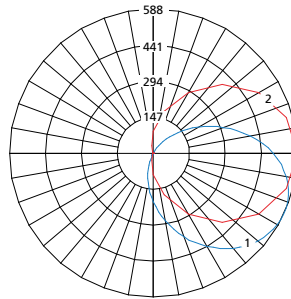
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## MO13 SERIES – HORIZONTAL LOW PROFILE

PERFORMANCE		Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (hrs)
Model	Lamp Type	@ 25°C (lm)	Efficacy (lm/W)			
MO13HL	8L35K	963	84	11	75	85,000
	8L40K	963	84	11	75	85,000
	8L50K	1,050	92	11	75	85,000
	16L35K	1,574	79	20	150	85,000
	16L40K	1,574	79	20	150	85,000
	16L50K	1,716	86	20	150	85,000
MO13HBL	10L35K	931	71	13	75	85,000
	10L40K	931	71	13	75	85,000
	10L50K	1015	77	13	75	85,000
	20L35K	1796	75	24	150	85,000
	20L40K	1796	75	24	150	85,000
	20L50K	1958	82	24	150	85,000

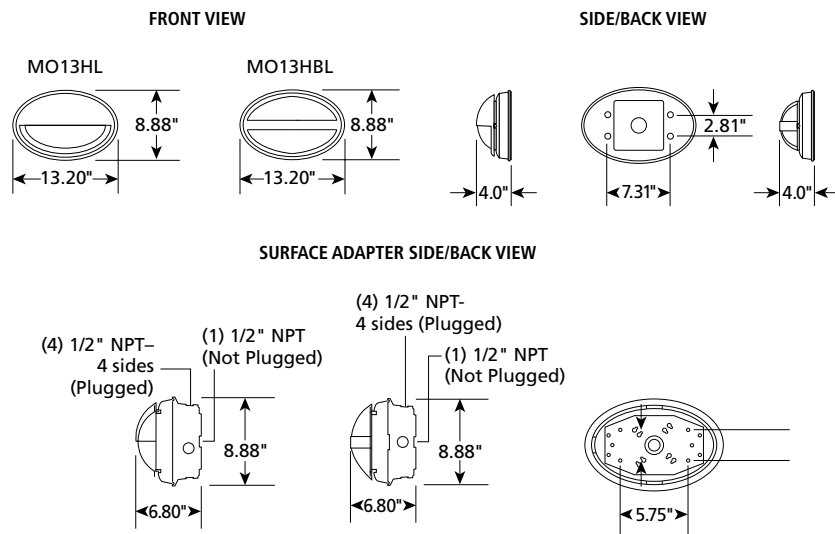
Info subject to change. Visit [www.kenall.com](http://www.kenall.com) for IES files and additional information.

Model: MO13HL-PP-MW-16L40K-DV



Max Candela = 588 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.)

### DIMENSIONAL DATA



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