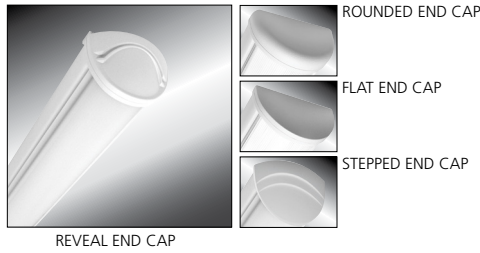


# MILLENNIUM STRETCH™

## MLHA5 SERIES – VANITY

### PRODUCT FEATURES:

- » Surface mount – wall; 5" x 24" and 48"
- » Extruded aluminum housing with decorative end caps
- » Low-profile – ADA compliant
- » Peace of Mind Guarantee® against breakage



### PROJECT INFORMATION

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

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

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

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

### SPECIFICATIONS

**HOUSING:** Marine grade aluminum. Extruded body with die-cast end caps. Housing, with end caps, post assembly TGIC polyester powder coat finished – 5-step pre-treatment. See Ordering Information for standard, optional and custom finishes.

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

**LENS:** UV-stabilized, high impact extruded pearlescent polycarbonate. Smooth exterior, linear prismatic interior. Nominal thickness .156". Lens securely positioned in body channels and end caps. Lens locked in place with tamper-resistant stainless steel Torx® with center pin fasteners and sealed with closed cell gaskets.

**END CAPS:** Marine grade die-cast aluminum. Four styles available: Flat, Rounded, Reveal and Stepped.

**HARDWARE:** Four stainless steel, tamper-resistant Torx® with center pin fasteners secure lens in housing body's lens channel.

**ELECTRICAL:** Available 3500K, 4000K and 5000K color temperatures, 82 CRI. 120-277VAC and 347VAC, 50/60Hz electrical input with serviceable high power factor electronic, constant-current driver (<20% THD, >0.95 PF). Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities; maximum driver source of 165µA. Consult factory for fluorescent options.

**INSTALLATION:** Standard two-point (24" housing) or four-point (48" housing) mounting required for Peace of Mind Guarantee®.

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

**WARRANTY:** limited ten (10) year warranty for LED Lamps. Peace of Mind Guarantee against breakage.

**LISTINGS:** Luminaire is certified to UL Standards by Intertek Testing Laboratory for Damp Location— horizontal and vertical wall mount. ADA compliant.



### ORDERING INFORMATION (Ex: MLHA5V-48-F-MB-PP-45L40K-DCC-DV-FS)

| Model           | Length                         | End Cap | Finish | Lens | Lamp Type                           | Driver     | Voltage | Options | Accessories |  |  |  |  |  |
|-----------------|--------------------------------|---------|--------|------|-------------------------------------|------------|---------|---------|-------------|--|--|--|--|--|
| <b>MLHA5V</b>   |                                |         |        |      |                                     | <b>DCC</b> |         |         |             |  |  |  |  |  |
| <b>Length</b>   |                                |         |        |      | <b>Lamp Type</b>                    |            |         |         |             | <b>Options</b>   |  |  |  |  |
| 24              | 2'                             |         |        |      | <b>2' Lengths</b>                   |            |         |         |             | <b>LEL</b> Integral 8.4W Emergency Battery Backup (45L only; 0°C minimum operating temperature; n/a with 347V) |  |  |  |  |
| 48              | 4'                             |         |        |      | <b>25L35K</b> 25 Watt 3500K LED     |            |         |         |             | <b>CDF</b> Captive Diffuser Fasteners  |  |  |  |  |
|                 |                                |         |        |      | <b>25L40K</b> 25 Watt 4000K LED     |            |         |         |             | <b>FS</b> Single Fuse & Holder   |  |  |  |  |
|                 |                                |         |        |      | <b>25L50K</b> 25 Watt 5000K LED     |            |         |         |             | <b>NAT</b> Natatorium Environment Option   |  |  |  |  |
| <b>End Caps</b> |                                |         |        |      | <b>4' Lengths</b>                   |            |         |         |             | <b>PH</b> Phillips Head Fasteners  |  |  |  |  |
| F               | Flat                           |         |        |      | <b>45L35K</b> 45 Watt 3500K LED     |            |         |         |             | <b>Accessories</b>   |  |  |  |  |
| R               | Rounded                        |         |        |      | <b>45L40K</b> 45 Watt 4000K LED     |            |         |         |             | <b>9500</b> Torx® Screwdriver  |  |  |  |  |
| RV              | Reveal                         |         |        |      | <b>45L50K</b> 45 Watt 5000K LED     |            |         |         |             | <b>D-0552</b> Torx® Driver Bit (Required for CMB Option)   |  |  |  |  |
| SP              | Stepped                        |         |        |      |                                     |            |         |         |             |  |  |  |  |  |
| <b>Finish</b>   |                                |         |        |      | <b>Driver</b>                       |            |         |         |             |  |  |  |  |  |
| MW              | Matte White                    |         |        |      | <b>DCC</b> Dimming Constant Current |            |         |         |             |  |  |  |  |  |
| MB              | Matte Black                    |         |        |      |                                     |            |         |         |             |  |  |  |  |  |
| LG              | Light Gray                     |         |        |      | <b>Voltage</b>                      |            |         |         |             |  |  |  |  |  |
| CC              | Custom Color (Consult Factory) |         |        |      | <b>120</b> 120 Volts                |            |         |         |             |  |  |  |  |  |
| <b>Lens</b>     |                                |         |        |      | <b>277</b> 277 Volts                |            |         |         |             |  |  |  |  |  |
| PP              | Pearlescent Polycarbonate      |         |        |      | <b>347</b> 347 Volts                |            |         |         |             |  |  |  |  |  |
|                 |                                |         |        |      | <b>DV</b> 120-277 Volts             |            |         |         |             |  |  |  |  |  |



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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.

# MILLENNIUM STRETCH™

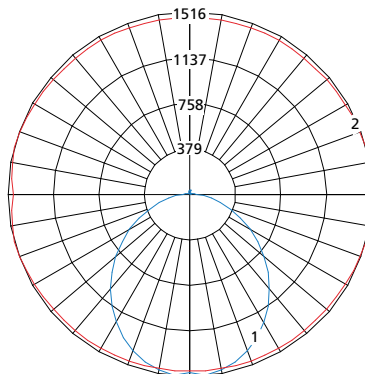
## MLHA5 SERIES – VANITY

### PERFORMANCE

| Length | Lamp Type | Initial Delivered Lumens |                 |                 | Drive Current (mA) | Estd. L70 LED Life (Hrs) |
|--------|-----------|--------------------------|-----------------|-----------------|--------------------|--------------------------|
|        |           | @ 25°C                   | Efficacy (lm/W) | Input Power (W) |                    |                          |
| 2'     | 25L35K    | 2,374                    | 95              | 25              | 100                | 150,000                  |
|        | 25L40K    | 2,531                    | 101             | 25              | 100                | 150,000                  |
|        | 25L50K    | 2,531                    | 101             | 25              | 100                | 150,000                  |
| 4'     | 45L35K    | 4,748                    | 97              | 49              | 100                | 150,000                  |
|        | 45L40K    | 5,062                    | 103             | 49              | 100                | 150,000                  |
|        | 45L50K    | 5,062                    | 103             | 49              | 100                | 150,000                  |

Information above is valid for the recommended Type PP lens type and is subject to change without notice. Visit [www.kenall.com](http://www.kenall.com) for additional information.

Model: MLHA5-48-F-MW-PP-1-45L40K-DCC-1-DV

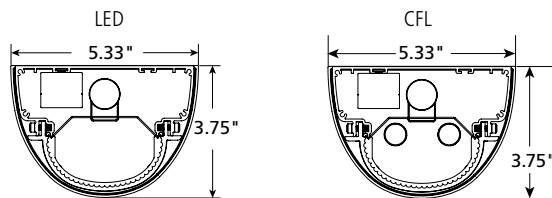


Maximum Candela = 1516 Located At Horizontal Angle = 15, Vertical Angle = 5

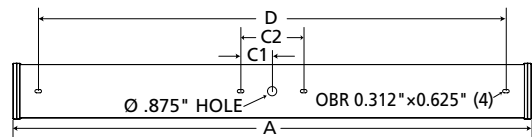
- 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

### DIMENSIONAL DATA

#### CROSS SECTION/DETAILS



#### MOUNTING HOLES



#### Nominal Two Foot Fixture Legend

|    | A      | B      | C1  | C2  | D      |
|----|--------|--------|-----|-----|--------|
| R  | 26.524 | 22.250 | N/A | N/A | 20.480 |
| F  | 25.308 | 22.250 | N/A | N/A | 20.480 |
| SP | 28.131 | 22.250 | N/A | N/A | 20.480 |
| RV | 27.674 | 22.250 | N/A | N/A | 20.480 |

#### Nominal Four Foot Fixture Legend

|    | A      | B      | C1    | C2    | D      |
|----|--------|--------|-------|-------|--------|
| R  | 50.524 | 46.250 | 3.000 | 6.000 | 44.480 |
| F  | 49.308 | 46.250 | 3.000 | 6.000 | 44.480 |
| SP | 52.131 | 46.250 | 3.000 | 6.000 | 44.480 |
| RV | 51.674 | 46.250 | 3.000 | 6.000 | 44.480 |

