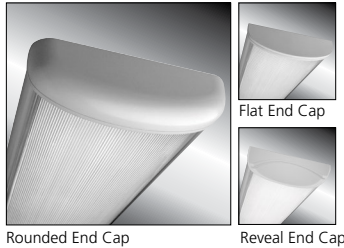


MILLENNIUM STRETCH™

MLHA12 SERIES using Indigo-Clean Technology

PRODUCT FEATURES:

- » Provides on-demand environmental disinfection via LED light
- » Single, white disinfection mode
- » Independent laboratory tested to kill harmful bacteria, including Staph*, such as MRSA**
- » Effective and efficient lighting performance
- » Extruded and die-cast aluminum construction
- » 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 available finishes.

OPTIC: High-impact extruded diffuser. Smooth exterior, linear prismatic interior. Nominal thickness .156". Lens securely positioned in body channels and end caps. Lens locked in place with four (4) tamper-resistant stainless steel Torx® with center pin fasteners and sealed with closed cell gaskets. Full reflector/wire cover with 92% reflectivity.

END CAPS: Marine grade die-cast aluminum. Three styles available: Flat, Rounded and Reveal. Conduit and "Wiremold™ ready" knockouts visible only from interior of end cap (Flat and Rounded styles only).

ELECTRICAL: Serviceable mid-power white and 405nm Indigo LED array. Available 3200K, 3700K and 4300K color temperatures with 3-step MacAdam variation allowance. Minimum 82 CRI standard. 120-277VAC and 347VAC electrical input with serviceable high power factor electronic, constant-current drivers (<10% THD, >0.90 PF). Minimum 85% driver efficiency. Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities. 330µA maximum source current. Single, white disinfection mode.

INSTALLATION: Standard six-point mounting required for Peace of Mind Guarantee®. Suitable for installation into -30°C to 40°C ambient environments, unless otherwise noted.

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.

WARRANTY: Limited five (5) year LED warranty

LISTINGS: Luminaire is certified to UL Standards by Intertek Testing Laboratory for Wet Location – covered ceiling mount. ETL certified IP64 per IEC 60598. Damp rated – ceiling mount. Corner, horizontal wall and pendant mount installation – Damp Location only. ADA compliant. EPA Est. No. 99283-WI-1.

* Per independent lab report #SGS-09S17036476. Contact Kenall for a copy of this report.

**Antimicrobial Activity of a Continuous Visible Light Disinfection System by Rutala, et. al, ID Week 2016.



ORDERING INFORMATION (Ex: MLHA12-48-F-MB-FA-82C43K-DCC-DV-FS-9500)

Model	Length	End Cap	Finish	Lens	Lamp Type	Driver Type	Voltage	Options	Accessories
MLHA12	48			FA		DCC			
	Length 48 4'			Lens FA Frosted DR Acrylic			Voltage DV 120-277 Volts, 50/60Hz 347 347 Volts, 60Hz		
	End Caps F Flat R Rounded RV Reveal			Lamp Type 55C32K 55 Watt 3200K White & Indigo LED 55C37K 55 Watt 3700K White & Indigo LED 55C43K 55 Watt 4300K White & Indigo LED 82C32K 82 Watt 3200K White & Indigo LED 82C37K 82 Watt 3700K White & Indigo LED 82C43K 82 Watt 4300K White & Indigo LED 110C32K 110 Watt 3200K White & Indigo LED 110C37K 110 Watt 3700K White & Indigo LED 110C43K 110 Watt 4300K White & Indigo LED			Options LEL† Integral 8.4W Emergency Battery Backup CDF Captive Diffuser Fasteners DL Damp Location (Interior use NO gasketing) FS Single Fuse & Holder (one per circuit) PH Phillips Head Fasteners PM§ Pendant Mount (Max. 3/8NPT stems by others; damp only)		
	Finish LG Light Gray MB Matte Black MW Matte White CC Custom Color (Consult Factory)			Driver Type DCC 0-10V Dimming Constant Current				Accessories CMB§ Corner Mount Bracket (Must be ordered with DL Option) 9500 Torx® Screwdriver D-0552 Torx Driver Bit (Required for CMB Option)	

† 55C lamp max, 0°C minimum operating temperature n/a with 347V
§ PM and CMB not available in conjunction



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

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. Content of specification sheets is subject to change; please consult www.kenall.com for current product details. ©2019 Kenall Mfg. Co.

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MILLENIUM STRETCH™

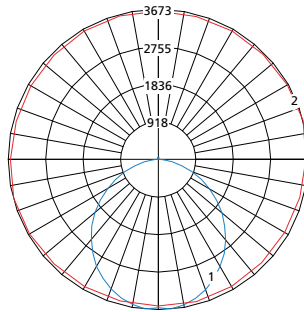
MLHA12 SERIES – with Indigo-Clean Technology

PERFORMANCE

Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
	@ 25°C	Efficacy (lm/W)			
55C32K	5,652	90	63	125	80,000
55C37K	5,799	92	63	125	80,000
55C43K	5,858	93	63	125	80,000
82C32K	8,536	92	93	93	80,000
82C37K	8,757	94	93	93	80,000
82C43K	8,846	95	93	93	80,000
110C32K	10,519	83	125	125	80,000
110C37K	10,791	85	125	125	80,000
110C43K	10,901	86	125	125	80,000

Displayed information above is for FA lens type. Information subject to change without notice. Visit www.kenall.com for IES files and additional information.

Model: MLHA12-48-X-MW-FA-110C37K-DCC-DV

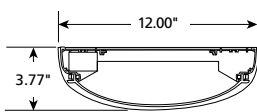


Maximum Candela = 3673 Located At Horizontal Angle = 15, Vertical Angle = 5

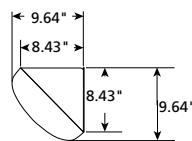
- 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

DIMENSIONAL DATA

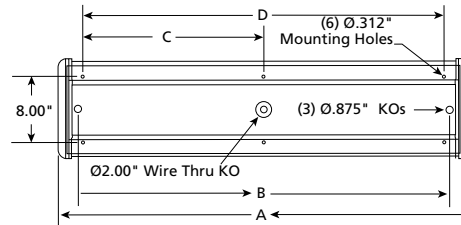
CROSS SECTION/DETAILS



CORNER MOUNT BRACKET



MOUNTING HOLES



Nominal Four Foot Fixture Legend				
End Cap	A	B	C	D
R	51.13	46.31	22.50	45.00
F	49.31	46.31	22.50	45.00
RV	53.84	46.31	22.50	45.00



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