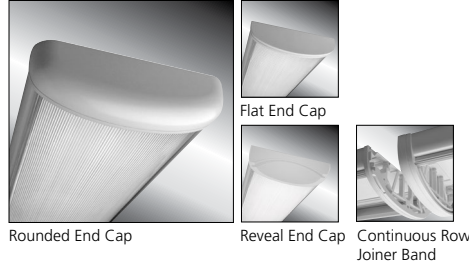


MILLENIUM STRETCH™

MLHA12 SERIES – STRAIGHT CONTINUOUS RUN

PRODUCT FEATURES:

- » Surface mount – ceiling or wall; 12" x 48"
- » Continuous row mount luminaires
- » 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 finishes. Each linear run of luminaires consists of one Beginning of Run Luminaire (B), one or multiple Middle Luminaire(s) (M), and one End of Run Luminaire (E). Specify and/or order systems per linear run (i.e. (1)B48, (5)M48, (1)E48). NOTE: Contact factory for custom lengths.

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. Three styles available: Flat, Rounded and Reveal. Conduit and "Wiremold™ ready" knockouts visible only from interior of end cap (Flat and Rounded styles only).

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

SOCKETS: Shock-resistant sockets with internal locking collar to ensure positive lamp retention.

HARDWARE: Four stainless steel, tamper-resistant Torx® T-20 with center pin fasteners secure lens in housing body's lens channel. Electrical Quick Connector supplied (Specify Circuit Qty, see below).

ELECTRICAL: LED: 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 330µA. LE: Class P ballasts. Fluorescent electronic 120/277/347 and dual voltage ballasts high power factor.

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

INSTALLATION: Standard six-point mounting per fixture 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.

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

LISTINGS: Luminaire is certified to UL standards by Intertek Testing Laboratories for non-IC and Wet Location installations. IP64 rating per IEC60598 – ceiling mount. ADA compliant. Corner, horizontal wall and pendant mount installation – Damp Location only. Suitable for use as a raceway. Suitable for use in continuous row.



ORDERING INFORMATION (Ex: MLHA12S-B48-2/M48-E48-R-MW-PP-45L40K-DCC-120-FS)

Model	Begin. Hsg.	Mid. Hsg.	End. Hsg.	End Cap	Finish	Lens	Lamp Qty	Lamp Type	Ballast/Driver	Circuit Qty	Voltage	Options
MLHA12S	B48	/M48	E48			PP						
Beginning of Run Housing Style	Lamp Type		Voltage		Accessories							
B48 Nominal 48" housing	45L35K 45 Watt 3500K LED	120 120 Volts	CMB§ Corner Mount Bracket (Must be ordered with DL Option)									
	45L40K 45 Watt 4000K LED	277 277 Volts										
	45L50K 45 Watt 5000K LED	347 347 Volts										
Middle Fixture(s) Housing Style	67L35K 67 Watt 3500K LED	DV 120-277 Volts										
(replace "x" with qty)	67L40K 67 Watt 4000K LED											
(x)/M48 Nominal 48" housing(s)	67L50K 67 Watt 5000K LED											
Ending of Run Housing Style	90L35K 90 Watt 3500K LED	Options										
E48 Nominal 48" housing	90L40K 90 Watt 4000K LED	1RW First Isolated Raceway										
	90L50K 90 Watt 5000K LED	2RW Second Isolated Raceway (2 fluorescent lamps only)										
End Caps	28 F28T5 (rapid start only)	CDF Captive Diffuser Fasteners										
R Rounded	32 F32T8	DL Damp Location (Interior use NO gasketing)										
F Flat	44 F48T8HO (2 lamp only)	EL*† 500 Minimum Lumen Battery Pack – Specify Qty (n/a 347V; 90 Minutes; 32°F Starting Temperature)										
RV Reveal	54 F54T5HO (rapid start only)	PEL*† 1100 Minimum Lumen Battery Pack – Specify Qty (n/a 347V; 90 Minutes; 32°F Starting Temperature)										
	54A F54T5HO amalgam (rapid start only)	LEL Integral 10W Emergency Battery Backup (45L max, 0°C minimum operating temperature, n/a with 347V)										
Finish	Ballast/Driver Type	FS Single Fuse & Holder										
MW Matte White	DCC Dimming Constant Current (LED)	NAT Natatorium Environment Option										
MB Matte Black	IS Instant Start Electronic <10% THD (T8, T8HO)	PH Phillips Head Fasteners										
LG Light Gray	RS Rapid Start Electronic <10% THD (T8, T8HO, T5, T5HO)	PM§ Pendant Mount (Max. 3/8NPT stems by others; damp only)										
CC Custom Color (Consult Factory)	SB Specified Ballast	UC† Uplight Component (Pendant Mount only; stems by others; damp only)										
Lens		XC Auxiliary Circuit										
PP Pearlescent Polycarbonate		NLW• 2700K White LED Night Light										
		NLA• Amber LED Night Light										
Lamp Quantity (Cross Section)†	Circuit Quantity†											
1 One	1 One											
2 Two	2^ Two											
3 Three												
4 Four												



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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. Content of specification sheets is subject to change; please consult www.kenall.com for current product details. ©2022 Kenall Mfg. Co.

MILLENIUM STRETCH™

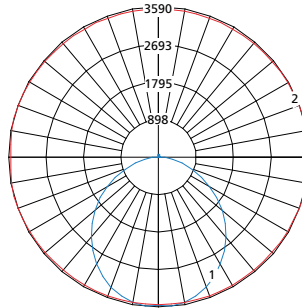
MLHA12 SERIES – STRAIGHT CONTINUOUS RUN

PERFORMANCE

Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
	@ 25°C	Efficacy (lm/W)			
45L35K	5,014	102	49	100	175,000
45L40K	5,345	109	49	100	175,000
45L50K	5,345	109	49	100	175,000
67L35K	7,717	106	73	75	175,000
67L40K	8,227	113	73	75	175,000
67L50K	8,227	113	73	75	175,000
90L35K	9,894	101	98	100	175,000
90L40K	10,548	108	98	100	175,000
90L50K	10,548	108	98	100	175,000

Information above is valid for the recommended Type PP lens type and is subject to change without notice. Visit www.kenall.com for IES files and additional information.

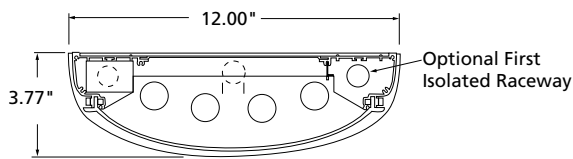
Model: MLHA12-48-F-MW-PP-90L40K-DCC-1-DV



Maximum Candela = 3590 Located At Horizontal Angle = 15, Vertical Angle = 5

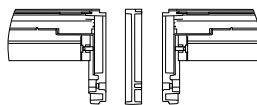
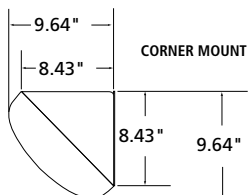
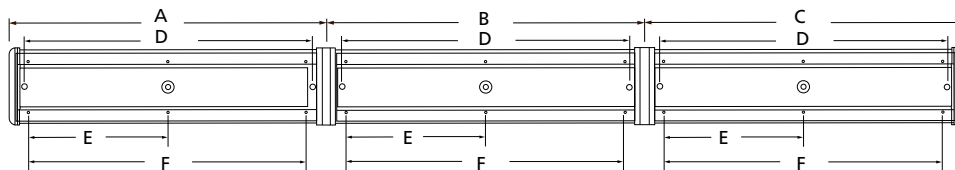
- 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

DIMENSIONAL DATA



Nominal Four Foot Fixture Legend

LMP	End Cap	A	B	C	D	E	F
T8/LED	R	50.23	49.34	50.23	46.31	22.50	45.00
T8/LED	F	49.32	49.34	49.32	46.31	22.50	45.00
T8/LED	RV	51.59	49.34	51.59	46.31	22.50	45.00
T5	R	48.27	47.37	48.27	44.35	22.25	44.50
T5	F	47.36	47.37	47.36	44.35	22.25	44.50
T5	RV	49.63	47.37	49.63	44.35	22.25	44.50



JOINER BAND – REQUIRED FOR ROW MOUNTING (SUPPLIED)



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