

MILLENIUM STRETCH™

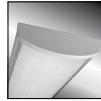
MLHA12 SERIES – GEOMETRIC/CONTINUOUS RUN

PRODUCT FEATURES:

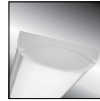
- » Surface mount – ceiling or wall; 12" x 48"
- » Extruded aluminum housing with die-cast end caps
- » Low-profile, ADA compliant
- » Peace of Mind Guarantee® against breakage



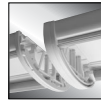
Rounded End Cap



Flat End Cap



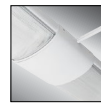
Reveal End Cap



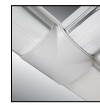
Continuous Row Joiner Band



Node "L" 2-Way



Node "N" Inline



Node "T" 3-Way



Node "X" 4-Way

PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

SPECIFICATIONS

HOUSING: Marine grade aluminum. Extruded body with flat or rounded die-cast end caps. TGIC polyester powder coat finished – 5-step pre-treatment. See Ordering Information for finishes. Each pattern run of luminaires consists of one or more "L", "N", "T", or "X" node. See ordering information to specify quantities. NOTE: Contact factory for pattern layout details.

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.

NODES: Marine grade cast aluminum cover mounted to 18-gauge mounting plate. Cover includes knockouts for Wiremold™ entry (not available in "X" 4-way node).

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

HARDWARE: Four stainless steel, tamper-resistant Torx fasteners secure lens in housing body's lens channel. Torx screwdriver ordered separately.

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 330µA. Consult factory for fluorescent option.

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®.

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 Laboratories for Damp Location installations. Suitable for use as a raceway, consult factory. Suitable for use in continuous row. ADA compliant. Luminaire tested to an IK10 impact protection rating per IEC 60068-2-75:1997-08. Build America, Buy America Act compliant.



ORDERING INFORMATION (Ex: MLHA12GMS-4/48-4/X-R-MB-PP-45L35K-DCC-120-FS)

Model	Fixture Qty	Node L	Node T	Node X	Node N	End Cap	Finish	Lens	Lamp Type	Driver	Voltage	Options
MLHA12GMS	/48	/L	/T	/X	/N							

Fixture Quantity (replace "x" with qty)
(x)/48 Nominal 48" housing

Node L (replace x with qty)
(x)/L Node "L" 2-Way Intersecting

Node T (replace x with qty)
(x)/T Node "T" 3-Way Intersecting

Node X (replace x with qty)
(x)/X Node "X" 4-Way Intersecting

Node N (replace x with qty)
(x)/N Node "N" Inline

End Caps (if required)

R Rounded
F Flat
RV Reveal

Finish

MW Matte White
MB Matte Black
LG Light Gray
CC Custom Color (Consult Factory)

Lens

PP Pearlescent Polycarbonate

Lamp Type

45L35K 45 Watt 3500K LED
45L40K 45 Watt 4000K LED
45L50K 45 Watt 5000K LED
67L35K 67 Watt 3500K LED
67L40K 67 Watt 4000K LED
67L50K 67 Watt 5000K LED
90L35K 90 Watt 3500K LED
90L40K 90 Watt 4000K LED
90L50K 90 Watt 5000K LED

Driver Type

DCC Dimming Constant Current Driver

Voltage

120 120 Volts
277 277 Volts
347 347 Volts
DV 120-277 Volts

Options

FS Single Fuse & Holder
PH Phillips Head Fasteners
PM Pendant Mount (Max. 3/8NPT stems by others; damp only)
XC Auxiliary Circuit



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This product is able to comply with the latest domestic preference legislation, such as the Buy American Act (BAA), Trade Agreement Act (TAA), Build America, Buy America Act (BABA), and others. 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. ©2025 Kenall Mfg. Co.

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MLHA12GMS-050725

MILLENNIUM STRETCH™

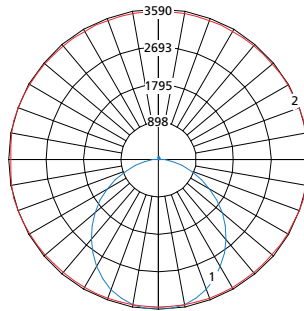
MLHA12 SERIES – GEOMETRIC/CONTINUOUS RUN

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.

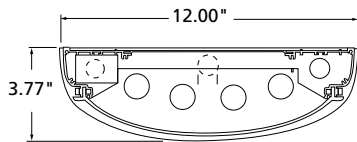
Model: MLHA12-48-F-MW-PP-90L40K-DCC-1-DV



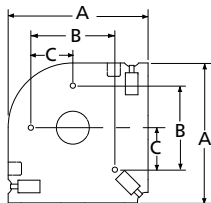
Maximum Candela = 3590 Located At Horizontal Angle = 15, Vertical Angle = 5

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

DIMENSIONAL DATA



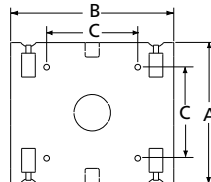
Please provide reflected ceiling plans to factory for dimensional data and factory supplied fixture layout with mounting information. Dimensions A and B are outside dimensions. Dimension C is mounting holes.



"L" NODE

Dimensions

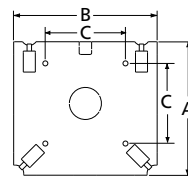
A	B	C
12.33"	5.00"	2.50"



"N" NODE

Dimensions

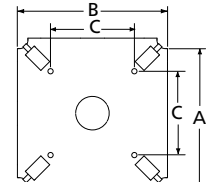
A	B	C
11.70"	10.00"	5.00"



"T" NODE

Dimensions

A	B	C
12.33"	12.95"	5.00"



"X" NODE

Dimensions

A	B	C
12.95"	12.95"	5.00"

The inline node's internal Wiremold™ ready knockouts allow access to power. A second internal knockout is available for access to raceway(s). The internal knockouts are not visible from the exterior of the node.

