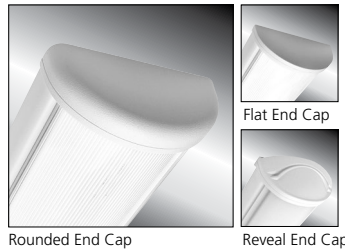# MILLENIUM STRETCH™

MLHA8 SERIES

PRODUCT FEATURES:

» Surface mount – wall or ceiling; nominal 8"×24", 8"×36" 8"×48", 8"×72", 8"×96"

» Extruded aluminum housing with decorative end caps

» Peace of Mind Guarantee® against breakage

» ADA compliant

Flat End Cap

Rounded End Cap

Reveal End Cap

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, architectural and custom finishes.

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

LENS: UV-stabilized, high impact extruded clear or 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).

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

HARDWARE: Stainless steel, tamper-resistant Torx T-20 center pin fasteners secure lens in housing body's lens channel (four on 24", 36", and 48" housings; eight on 72" and 96" housings).

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. Optional embedded microwave motion sensor (MS) has factory default settings of 20 minute time out, dims down to 30%. LF: Class P ballasts. Fluorescent electronic 120/277/347 and dual voltage ballasts high power factor.

INSTALLATION: Standard four-point (24" housing), six-point (36" and 48" housing) and twelve-point (72" and 96" housing) mounting required for Peace of Mind Guarantee®. LED product ambient temperature is -30°C to 40°C, unless otherwise noted.

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

TEKLINK™ TL50: An independent lighting control system embedded in the luminaire, featuring its own occupancy sensor, daylight harvesting and adjustable time-out/dimming settings.

TEKLINK™ TL100: Centralized, wired zonal occupancy and closed-loop daylight harvesting control system. TL100 controllers are standalone devices and ordered separately for luminaire. Click here for specifications.

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.

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 non-IC and Wet Location installations. IP64 rating per IEC60598 – ceiling mount. Corner, horizontal wall and pendant mount installation – damp location only. ADA compliant. Luminaire tested to an IK10 impact protection rating per IEC 60068-2-75:1997-08.

LED | PEACE OF MIND Guarantee® | ETL Intertek Listed c us | IP64 | ADA | IK10

ORDERING INFORMATION (Ex: MLHA8-48-F-MB-PP-45L40K-DCC-DV-FS-9500)

Model	Length	End Cap	Finish	Lens	Lamp Qty	Lamp Type	Ballast/Driver	Circuit Qty	Voltage	Options	Accessories	TekLink	Controls Kit
MLHA8	___	___	___	___	___	___	___	___	___	___	___	___	< ___ >

Length
24	2'
36	3'
48	4'
72	Two 3' (factory connected)
96	Two 4' (factory connected)

End Caps
F	Flat
R	Rounded
RV	Reveal

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

Lens
CP•	Clear Polycarbonate
PP	Pearlescent Polycarbonate

Lamp Quantity (Cross Section)•
1	One
2	Two
3	Three (T8 or T5 only)

Lamp Type

2' Lengths
25L35K	25 Watt 3500K LED
25L40K	25 Watt 4000K LED
25L50K	25 Watt 5000K LED
14	F14T5 (rapid start only)
17	F17T8
24▲	F24T5HO (rapid start only)

3' Lengths
21	F21T5 (rapid start only)
25	F25T8
39	F39T5HO (rapid start only)

4' Lengths
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
28	F28T5 (rapid start only)
32	F32T8
54	F54T5HO (rapid start only)
54A	F54T5HO amalgam (rapid start only)

Ballast/Driver Type
IS	Instant Start Electronic <10% THD (T8)
RS	Rapid Start Electronic <10% THD (T8,T5,T5HO)
SB	Specified Ballast
DCC	Dimming Constant Current (LED)

Circuit Quantity (n/a with LED)
1	One
2†	Two (2 Ballast minimum)

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

Options
EL▲▼•§	500 Minimum Lumen Battery Pack (90 Minutes; 32°F Starting Temp)
PEL▲■•§	1100 Minimum Lumen Battery Pack (90 Minutes; 32°F Starting Temp)
LEL	Integral 10W Emergency Battery Backup (4' length only, 45L max, 0°C minimum operating temperature, n/a with 347V)
CDF	Captive Diffuser Fasteners
DL	Damp Location (Interior use NO gasketing)
FS	Single Fuse & Holder (one per circuit)
NAT§	Natatorium Environment Option
PH	Phillips Head Fasteners
PM§‡	Pendant Mount (Max. 3/8NPT stems by others; damp only)
UC§ •	Uplight Component (Pendant Mount only; stems by others; damp only)
MS	Motion Sensor (2' and 4' LED only) (n/a with 347 Voltage Option)
NLW∞	2700K White LED Night Light
NLA∞	Amber LED Night Light

Accessories
CMB‡	Corner Mount Bracket (Must be ordered with DL Option)

TekLink
TL50*	TL50 Control System (n/a with 347V) (Click here for specifications)
TL100	TL100 Control System (Click here for specifications)

Please consult Kenall Applications when ordering controls. Mounting heights above 14' may require alternate sensing technology.

Controls Kit
< >	Factory Assigned Internal Code

† n/a on 2' T5/T5HO or 3' T5HO fixtures with EL, PEL or TN options
▲ n/a with 347V
▼ 2' Fixtures have minimum 350-450 lumen battery pack
■ n/a on 2' fixtures
§ n/a with 3 lamps
• n/a with LED Lamp Type
‡ PM and CMB not available in conjunction
* LED only. N/A with with MS or CMB options. N/A with 72" or 96" length.
∞ LED only. n/a with 347V

MILLENIUM STRETCH™

MLHA8 SERIES

PERFORMANCE

Length	Lamp Type	Initial Delivered Lumens @ 25°C	Efficacy (lm/W)	Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
2'	25L35K	2,379	95	25	100	150,000
	25L40K	2,536	101	25	100	150,000
	25L50K	2,536	101	25	100	150,000
4'	45L35K	4,758	97	49	100	150,000
	45L40K	5,072	104	49	100	150,000
	45L50K	5,072	104	49	100	150,000
	67L35K	7,284	100	73	75	150,000
	67L40K	7,765	106	73	75	150,000
	67L50K	7,765	106	73	75	150,000
	90L35K	9,252	94	98	100	150,000
	90L40K	9,864	101	98	100	150,000
	90L50K	9,864	101	98	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 for IES files and additional information.
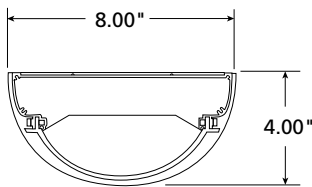
Model: MLHA8-48-F-MW-PP-45L40K-DCC-DV
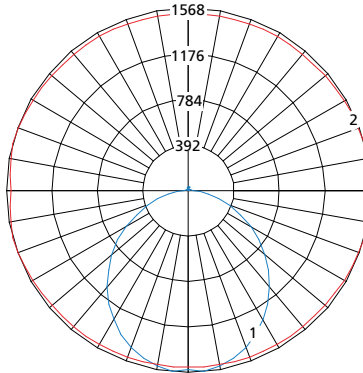
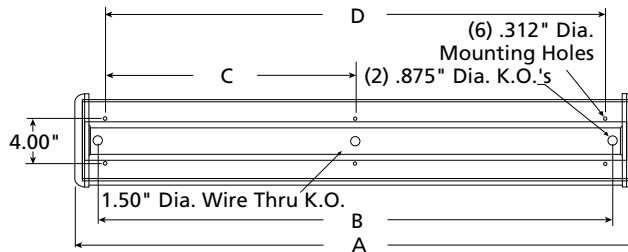Maximum Candela = 1568 Located At Horizontal Angle = 15, Vertical Angle = 5

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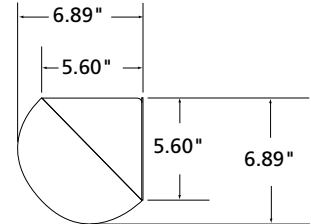
DIMENSIONAL DATA

CROSS SECTION/DETAILS

8.00"
4.00"

MOUNTING HOLES

D
C
(6) .312" Dia. Mounting Holes
(2) .875" Dia. K.O.'s
4.00"
1.50" Dia. Wire Thru K.O.
B
A

CORNER MOUNT BRACKET

6.89"
5.60"
5.60"
6.89"

Nominal Two Foot Fixture Legend

LMP	End Cap	A	B	C	D
T8	R	26.524	22.312	N/A	21.000
T8	F	25.308	22.312	N/A	21.000
T8	RV	28.632	22.312	N/A	21.000
T5	R	24.940	20.728	N/A	20.875
T5	F	23.724	20.728	N/A	20.875
T5	RV	27.048	20.728	N/A	20.875

Nominal Three Foot Fixture Legend

LMP	End Cap	A	B	C	D
T8	R	38.524	34.312	16.500	33.000
T8	F	34.312	34.312	16.500	33.000
T8	RV	40.632	34.312	16.500	33.000
T5	R	36.751	32.540	16.344	32.688
T5	F	35.535	32.540	16.344	32.688
T5	RV	38.859	32.540	16.344	32.688

Nominal Four Foot Fixture Legend

LMP	End Cap	A	B	C	D
T8/LED	R	50.524	46.312	22.500	45.000
T8/LED	F	49.308	46.312	22.500	45.000
T8/LED	RV	52.632	46.312	22.500	45.000
T5	R	48.562	44.350	22.250	44.500
T5	F	47.346	44.350	22.250	44.500
T5	RV	50.670	44.350	22.250	44.500