INVITATION TO BID
THIS IS NOT AN ORDER

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JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR: PEMBA Inc.

BUYER: DABRAHAM

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH is expecting all products to be new and all work to be done in workman-like manner, according to standard practices. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES	4 - 6 weeks
INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK	N/A
INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK	N/A

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____

NUMBER: _____

NUMBER: _____

NUMBER: _____

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

*** ALL BIDDERS MUST COMPLETE SECTION BELOW ***

FIRM NAME: PEMBA Inc.		
SIGNATURE: (Must be signed here) *Zale Fradella*	TITLE:	Director
PRINT OR TYPE NAME: Zachary Fradella		
ADDRESS: 104 P. Street		
CITY, STATE: Belle Chasse, LA	ZIP:	70037
TELEPHONE: (504) 613-6362	FAX:	(504) 303-4392
EMAIL ADDRESS: zackf@pemba.biz		

TOTAL PRICE OF ALL BID ITEMS: $ ___$2,096.46___

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			A purchase of indoor light fixtures for the Department of Recreation		
1	7.00	EA	0010 E74-CFP-LED50-CT4-UNV-EBX-WHT Indoor light fixtures Quoted Kenall High Abuse Fixture MLHA8-48-F-MW-PP-45L40K-DCC-DV	$299.49	$2,096.46
2	1.00	EA	0020 Freight - Included in item price		

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
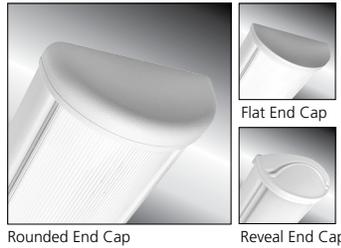
SPECIFICATIONS

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 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, 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, maximum driver source of 500 µA. 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.

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.

LISTINGS: UL and CUL listed for Wet Location – covered ceiling mount. UL certified IP64 in compliance with IEC 60598 – ceiling mount. Corner, horizontal wall and pendant mount installation – damp location only. ADA compliant. Approved by the New York State - Office of Mental Health.

LED   PEACE OF MIND Guarantee®   c UL us   IP64   ADA   ACCEPTED BY COM ✓

In Stock SKU
MLHA8-48-R-MW-PP-2-32-RS-1-DV
MLHA8-48-F-MW-PP-2-32-RS-1/1-DV

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)
(n/a with LED)
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 (Consult Factory)
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 LED Emergency Battery Backup (4' only) (45L max, 32°F minimum operating temperature)
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 (stems by others; damp only)
TN§ • Twin Tube Night Light – 5/7/9 watts (120V only)

Options (continued)
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)

Accessories
CMB‡ Corner Mount Bracket (Must be ordered with DL Option)
9500 Torx® Screwdriver
D-0552 Torx Driver Bit (Required for CMB Option)

TekLink
TL50§ TL50 Control System (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

MILLENIUM STRETCH™

MLHA8 SERIES

PERFORMANCE

| Length	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
		@ 25°C	Efficacy (lm/W)			
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
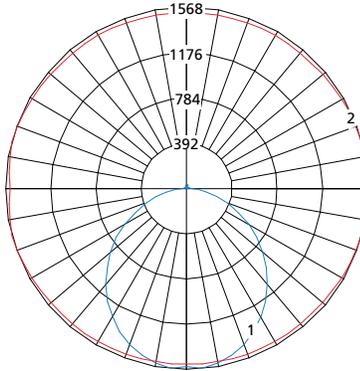
1568
1176
784
392
2
1

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) .12" Dia. Mounting Holes
(2) .89" 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"
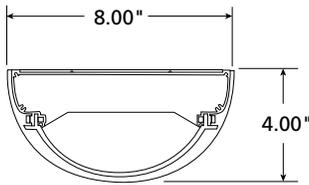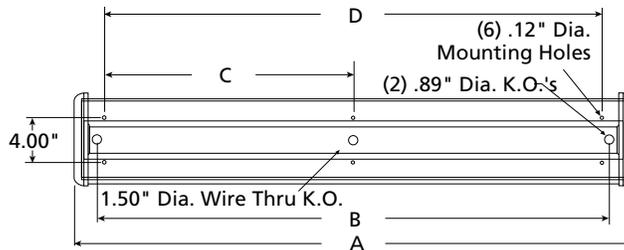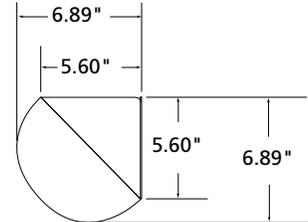
Nominal Two Foot Fixture Legend

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

MLHA8-012418