



METAL SIDED

MHL320 SERIES



2X4 / 2X8, Metal Sided Luminaire



- 2X4 / 2X8, Metal Sided Surface Mounted Luminaire
- Powder Coated Finish / Painted After Fabrication
- Door Frame Screwed at End Corner
- T-Hinges And Spring Loaded Latches
- One Way Polyurethane Gasketed
- Suitable for Damp Locations
- Available with:
 - Fluorescent, LED and LED T8 (Internally Driven)
 - Variety of Lenses
 - Tamper Proof Screws
 - Emergency Battery Pack



Photometric Data and IES Files are Available on www.lalighting.com



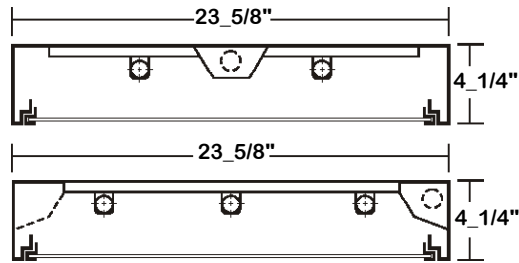
LOS ANGELES LIGHTING MFG. CO.
 10141 OLNEY ST. / EL MONTE, CA 91731
TEL : 626-454-8300 FAX : 626-454-8399
www.lalighting.com



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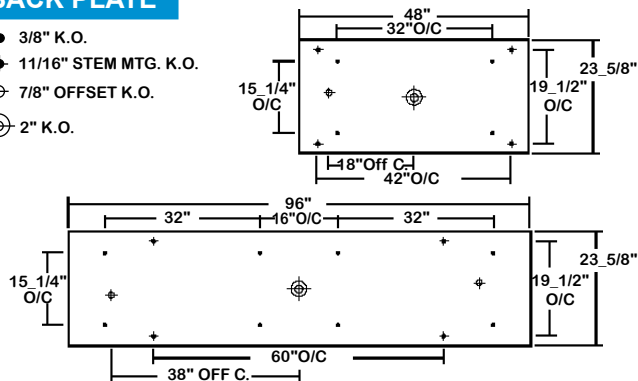
2x4 / 2x8

CROSS SECTION



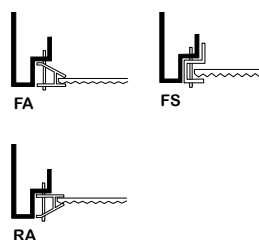
BACK PLATE

- 3/8" K.O.
- ◆ 11/16" STEM MTG. K.O.
- ⊕ 7/8" OFFSET K.O.
- ⊙ 2" K.O.



DOOR FRAME INFORMATION

● CROSS SECTION



FS W

FINISHES

- W - White Enamel
- B - Black Enamel
- N - Natural Anodized Aluminum

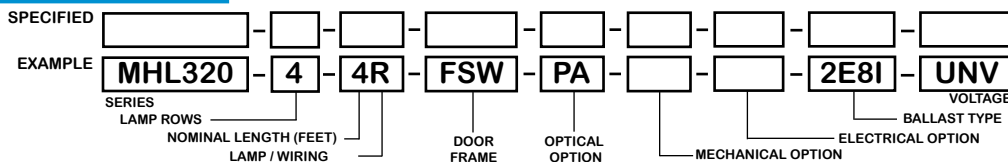
STYLES

- FS - Flat Steel
- FA - Flat Extruded Aluminum
- RA - 5/8" Regressed Extruded Aluminum

CATALOG NUMBER

	NOMINAL WIDTH X LENGTH	TOTAL LAMPS		NOMINAL WIDTH X LENGTH	TOTAL LAMPS
MHL320-2-4M	2' X 4'	2	MHL320-2-4R	2' X 4'	2
MHL320-2-8MT	2' X 8'	4	MHL320-2-8RT	2' X 8'	4
MHL320-3-4M	2' X 4'	3	MHL320-3-4R	2' X 4'	3
MHL320-3-8MT	2' X 8'	6	MHL320-3-8RT	2' X 8'	6
MHL320-4-4M	2' X 4'	4	MHL320-4-4R	2' X 4'	4
MHL320-4-8MT	2' X 8'	8	MHL320-4-8RT	2' X 8'	8

ORDERING GUIDE



NOTE: LAMP/WIRING*

- M= Miniature Bi-Pin T5
- R = Medium Bi-Pin T8
- MT= Miniature Bi-Pin T5, Tandem Wiring
- RT = Medium Bi-Pin T8, Tandem Wiring

OPTIONS AND ACCESSORIES

● OPTICAL OPTIONS

- Clear Acrylic
- Clear Prismatic Acrylic
- Flat White Acrylic
- Polycarbonate Lenses
- High Impact Acrylic
- Note: Other lens available upon request

SUFFIX

- CA
- PA
- FWA
- *
- *

● MECHANICAL OPTIONS

- Tamper Proof Screws (Hex Socket With Post)
- Gasketing

SUFFIX

- TP
- GSK*

● ELECTRICAL OPTIONS

- Emergency Battery Pack
- External Line Fusing (HLR/GLR)

SUFFIX

- BP*
- ELF

● BALLAST OPTIONS*

- Electronic T5
- Electronic T5HO
- Electronic T8 Instant Start
- Electronic T8 Rapid Start
- Electronic T8HO
- x = Number of Lamps per Ballast

SUFFIX

- xE5
- xE5H
- xE8I
- xE8R
- xE8H

● ACCESSORIES

- Fixture Suspension System

CAT. NO.

*

*Refer to www.lalighting.com/resources for more information

SPECIFICATIONS

- TYPE
- CONSTRUCTION
- FINISH
- DOOR FRAME
- GASKET
- OPTICS

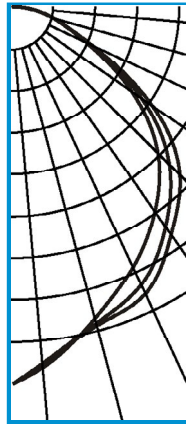
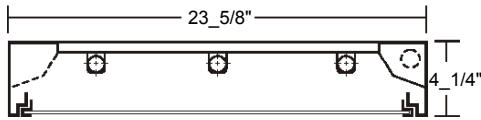
Surface mounted, metal sided, modular luminaire. Available in various lengths.
 20 ga. cold rolled steel welded housing.
 Baked white powder coated finish, minimum reflectance 90%, painted after fabrication.
 20 gauge cold rolled steel or extruded aluminum in various finishes. T-hinges, positive spring loaded latches.
 One way polyurethane gasketed standard. More options available.
 Clear prismatic acrylic standard. Lenses on 2x8 fixtures supplied two-piece unless otherwise specified.
 Extensive variety of lenses, diffusers and louvers available.
 120v 60Hz., 277v 60Hz., UNV (universal voltage 120v thru 277v.) or as otherwise specified.
 U.L. Listed. Suitable for damp locations.

- WIRING
- LABELS



PHOTOMETRIC DATA

MHL320-3-4R-FSW-PA-E8
 TEST NO.=LA-T0456
 LAMP TYPE=FO32T8
 NO. OF LAMP=3
 LUMENS PER LAMP=2900
 WATTS PER LAMP=32
 BALLAST FACTOR=1
 PHOTOMETRY TYPE=C



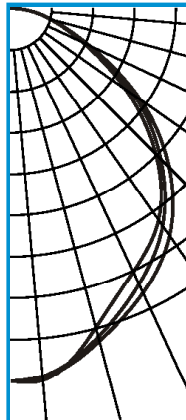
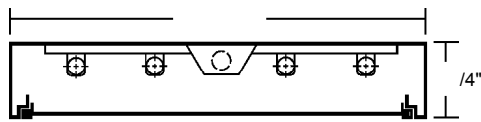
CANDLEPOWER			
ANGLE	END	45	CROSS
0	2408	2408	2408
5	2307	2279	2282
15	2049	2085	2100
25	1824	1949	2014
35	1580	1698	1759
45	1301	1404	1501
55	910	987	1069
65	500	521	534
75	255	263	263
85	75	83	86
90	6	7	7
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	1704	19.6	30.4
0-40	2761	31.7	49.3
0-60	4734	54.4	84.6
0-90	5594	64.3	100.0
90-120	2	0.0	0
90-150	2	0.0	0
90-180	2	0.0	0
0-180	5596	64.3	100.0

Lumen Output = 5596 lumens
 Luminaire Efficiency = 64.3%

SPACING CRITERION	
ALONG	ACROSS
1.06	1.17

MHL320-4-4R-FSW-PA-E8
 TEST NO.=LA-T0457
 LAMP TYPE=FO32T8
 NO. OF LAMP=4
 LUMENS PER LAMP=2900
 WATTS PER LAMP=32
 BALLAST FACTOR=1
 PHOTOMETRY TYPE=C



CANDLEPOWER			
ANGLE	END	45	CROSS
0	2937	2937	2937
5	2940	2907	2917
15	2597	2675	2710
25	2286	2394	2470
35	2028	2085	2179
45	1607	1664	1756
55	1094	1179	1233
65	612	652	664
75	312	323	321
85	95	99	100
90	9	8	12
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	2138	18.4	31.2
0-40	3454	29.8	50.3
0-60	5800	50.0	84.5
0-90	6861	59.1	100.0
90-120	2	0.0	0
90-150	2	0.0	0
90-180	2	0.0	0
0-180	6863	59.2	100.0

Lumen Output = 6863 lumens
 Luminaire Efficiency = 59.2%

SPACING CRITERION	
ALONG	ACROSS
1.10	1.18

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