

# LED T8 - METAL SIDED

## MHL310 SERIES

### 1X4 & 1X8 Metal Sided Luminaire



- 1x4 & 1x8 Metal Sided Luminaire For LED T8 Light Tube (by Others)
- T-Hinge And Spring Loaded Latch
- Door Frame Screwed At Each Corner
- Welded And Painted After Fabrication

- Available with:

Heavy Duty Safety Switch  
Extensive Variety of Lenses



**LOS ANGELES LIGHTING MFG. CO.**

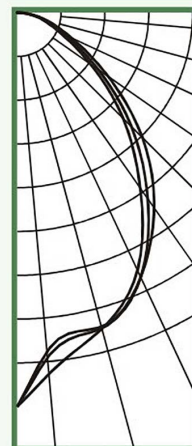
10141 OLNEY ST. / EL MONTE, CA 91731

<http://www.lalighting.com>

**TEL : 626-454-8300 FAX : 626-454-8399**

#### MHL310-3-4L-PA-LED8

TEST NO.=LA-T1851  
LAMP TYPE=LED T8, 4'  
NO. OF LAMP=3  
LUMENS PER LAMP=1300  
WATTS PER LAMP=15  
BALLASTFACTOR=1  
PHOTOMETRY TYPE=C



#### CANDLEPOWER

| Angle | End  | 45   | Cross |
|-------|------|------|-------|
| 0     | 1328 | 1328 | 1328  |
| 5     | 1146 | 1167 | 1222  |
| 15    | 1096 | 1101 | 1102  |
| 25    | 983  | 984  | 958   |
| 35    | 803  | 766  | 721   |
| 45    | 596  | 544  | 504   |
| 55    | 372  | 331  | 299   |
| 65    | 202  | 180  | 159   |
| 75    | 105  | 95   | 83    |
| 85    | 30   | 29   | 27    |
| 90    | 3    | 2    | 2     |
| 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

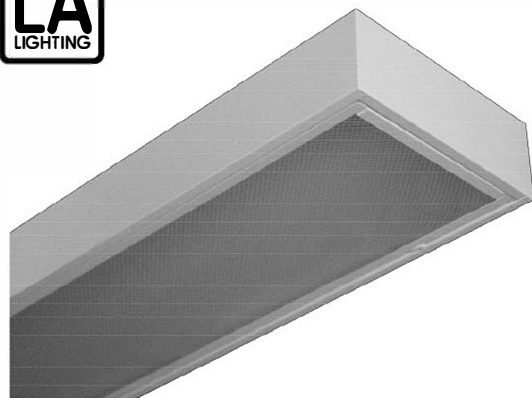
| DEGREES | LUMENS | % LAMP | % FIXTURE |
|---------|--------|--------|-----------|
| 0-30    | 877    | 22.5   | 36.8      |
| 0-40    | 1357   | 34.8   | 56.9      |
| 0-60    | 2080   | 53.3   | 87.3      |
| 0-90    | 2383   | 61.1   | 100.0     |
| 90-120  | 1      | 0.0    | 0.0       |
| 90-150  | 1      | 0.0    | 0.0       |
| 90-180  | 1      | 0.0    | 0.0       |
| 0-180   | 2384   | 61.1   | 100.0     |

Luminaire Efficiency = 61.1%

#### SPACING CRITERION

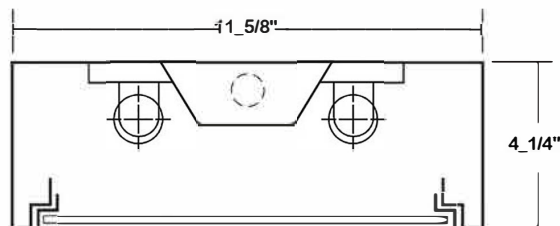
| ALONG | ACROSS |
|-------|--------|
| 1.02  | 0.99   |

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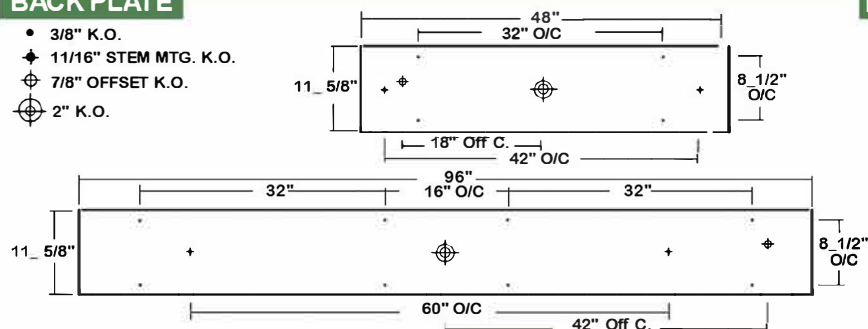
## MHL310 SERIES - LED T8

## CROSS SECTION



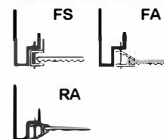
## BACK PLATE

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



## DOOR FRAME INFORMATION

## • CROSS SECTION



## 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 TOTAL<br>LENGTH LAMPS |    |   | NOMINAL TOTAL<br>LENGTH LAMPS |    |   | NOMINAL TOTAL<br>LENGTH LAMPS |    |   |
|-------------------------------|----|---|-------------------------------|----|---|-------------------------------|----|---|
| MHL310-1-4LI                  | 4' | 1 | MHL310-2-8LIT                 | 8' | 4 | MHL310-4-4LI                  | 4' | 4 |
| MHL310-1-4LR                  | 4' | 1 | MHL310-2-8LRT                 | 8' | 4 | MHL310-4-4LR                  | 4' | 4 |
| MHL310-1-8LIT                 | 8' | 2 | MHL310-3-4LI                  | 4' | 3 | MHL310-4-8LIT                 | 8' | 8 |
| MHL310-1-8LRT                 | 8' | 2 | MHL310-3-4LR                  | 4' | 3 | MHL310-4-8LRT                 | 8' | 8 |
| MHL310-2-4LI                  | 4' | 2 | MHL310-3-8LIT                 | 8' | 6 |                               |    |   |
| MHL310-2-4LR                  | 4' | 2 | MHL310-3-8LRT                 | 8' | 6 |                               |    |   |

## SAFETY SWITCH



## TS2 - LED Luminaire On/Off Safety Switch

- Easily accessible on exterior of wire way.
- Allows individual fixture to be switched ON/OFF during re-lamping or Maintenance.
- Prevents damage to lamp and electrical shock during lamping and re-lamping.
- Allows safe entry to wire way channel where power connector can be disconnected for maintenance to fixture.

## ORDERING GUIDE

|           |        |   |           |   |                       |   |                    |   |            |   |                |   |                   |   |                |   |         |
|-----------|--------|---|-----------|---|-----------------------|---|--------------------|---|------------|---|----------------|---|-------------------|---|----------------|---|---------|
| SPECIFIED |        | - |           | - |                       | - |                    | - |            | - |                | - |                   | - |                | - |         |
| EXAMPLE   | MHL310 | - | 2         | - | 4LI                   | - | FSW                | - | PA         | - |                | - | TS2               | - | LED8I          | - | UNV     |
|           | SERIES |   | LAMP ROWS |   | NOMINAL LENGTH (FEET) |   | LAMP TYPE / WIRING |   | DOOR FRAME |   | OPTICAL OPTION |   | ELECTRICAL OPTION |   | LUMINAIRE TYPE |   | VOLTAGE |

## LAMP TYPE

## LI = LED T8 internal driver light tube.

Both ends powered.  
Shunted sockets used.



## LR = LED T8 internal driver light tube.

Single end powered.  
Non-shunted sockets used.



## OPTIONS AND ACCESSORIES

## • OPTICAL OPTIONS

Parabolic Plastic Louvers  
Polycarbonat Lenses  
High Impact Acrylic  
Flat Frosted White Acrylic  
Clear Prismatic Acrylic

## SUFFIX

\*  
\*  
\*  
FFWA  
PA

## • MECHANICAL OPTIONS

Gasketing

## SUFFIX

GSK

## • ELECTRICAL OPTIONS

LED Luminaire ON/OFF Safety Switch

## SUFFIX

TS2

## • ACCESSORIES

Fixture Suspension System

## CAT.NO.

\*

\*See Appropriate Reference Page

## SPECIFICATIONS

\*\* Lamp(s) by others.

- TYPE
- CONSTRUCTION
- FINISH
- DOOR FRAME
- OPTICS
- WIRING
- LABELS

Surface mounted, metal sided, modular luminaire for LED T8 light tube (s)\*\* with internal driver. 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-hinge, positive spring loaded latch.  
Clear prismatic acrylic standard. Extensive variety of lenses, diffusers and louvers available.  
Operates T8 LED light tube(s)\*\*.  
U.L. Listed. Suitable for damp locations.

