

# LED T8 - SPECIAL PURPOSE

## FHB100 SERIES

### Handball and Racquetball Luminaire



- Handball & Racquetball Court Luminaire For LED T8 Internal Driver Light Tube (by Others)
- Full Length Piano Hinge & Recessed Captive Screws
- Internal Frame Rail
- Flat Trim Flange

- Available with:  
Heavy Duty Safety Switch



**LOS ANGELES LIGHTING MFG. CO.**

10141 OLNEY ST. / EL MONTE, CA 91731

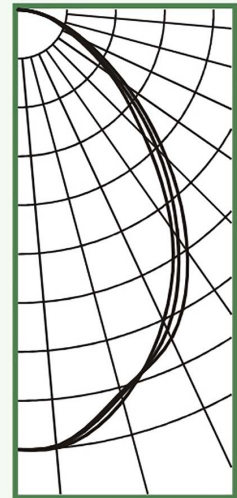
<http://www.lalighting.com>

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



FHB100-4-4L-PA-LED8

TEST NO.=LA-T1823  
LAMP TYPE=LED T8, 4'  
NO. OF LAMP=4  
LUMENS PER LAMP=1300  
WATTS PER LAMP=15  
BALLAST FACTOR=1  
PHOTOMETRY TYPE=C



#### CANDLEPOWER

| Angle | End  | 45   | Cross |
|-------|------|------|-------|
| 0     | 1673 | 1673 | 1673  |
| 5     | 1667 | 1668 | 1674  |
| 15    | 1509 | 1520 | 1541  |
| 25    | 1380 | 1345 | 1309  |
| 35    | 1123 | 1061 | 1019  |
| 45    | 799  | 749  | 678   |
| 55    | 502  | 459  | 432   |
| 65    | 282  | 250  | 236   |
| 75    | 143  | 135  | 129   |
| 85    | 40   | 37   | 33    |
| 90    | 2    | 2    | 3     |
| 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    | 1213   | 23.3   | 36.7      |
| 0-40    | 1883   | 36.2   | 57.0      |
| 0-60    | 2874   | 55.3   | 87.1      |
| 0-90    | 3301   | 63.5   | 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   | 3302   | 63.5   | 100.0     |

Luminaire Efficiency = 63.5%

#### SPACING CRITERION

| ALONG | ACROSS |
|-------|--------|
| 1.12  | 1.06   |

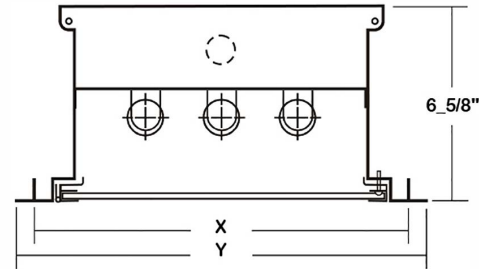
**LED T8 - SPECIAL PURPOSE**

**HANDBALL / RACQUETBALL COURT**



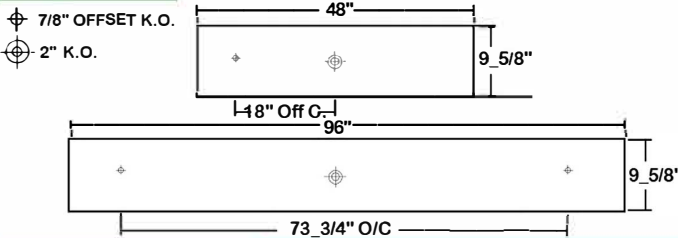
**FHB100 SERIES - LED T8**

**CROSS SECTION**



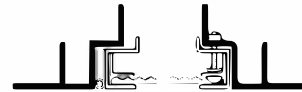
Ceiling Opening X - 12 5/8" x 48 1/2" or 12 5/8" x 96 1/2"  
Overall Width By Length Y - 14" x 50" or 14" x 98"

**BACK PLATE**



**DOOR FRAME INFORMATION**

**CROSS SECTION**



**EXPLANATION**

1. Full Length Piano Hinge.
2. Inner Frame Lens Retainer Rail.
3. Sealed With Neoprene Gasket.
4. Inverted Lens.

**FS W**

**FINISHES**

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

**STYLES**

- FS - Flat Steel

**CATALOG NUMBER**

|              | NOMINAL LENGTH | TOTAL LAMPS |               | NOMINAL LENGTH | TOTAL LAMPS |
|--------------|----------------|-------------|---------------|----------------|-------------|
| FHB100-2-4LI | 4'             | 2           | FHB100-2-8LIT | 8'             | 4           |
| FHB100-2-4LR | 4'             | 2           | FHB100-2-8LRT | 8'             | 4           |
| FHB100-2-4LO | 4'             | 2           | FHB100-2-8LOT | 8'             | 4           |
| FHB100-3-4LI | 4'             | 3           | FHB100-3-8LIT | 8'             | 6           |
| FHB100-3-4LR | 4'             | 3           | FHB100-3-8LRT | 8'             | 6           |
| FHB100-3-4LO | 4'             | 3           | FHB100-3-8LOT | 8'             | 6           |
| FHB100-4-4LI | 4'             | 4           | FHB100-4-8LIT | 8'             | 8           |
| FHB100-4-4LR | 4'             | 4           | FHB100-4-8LRT | 8'             | 8           |
| FHB100-4-4LO | 4'             | 4           | FHB100-4-8LOT | 8'             | 8           |

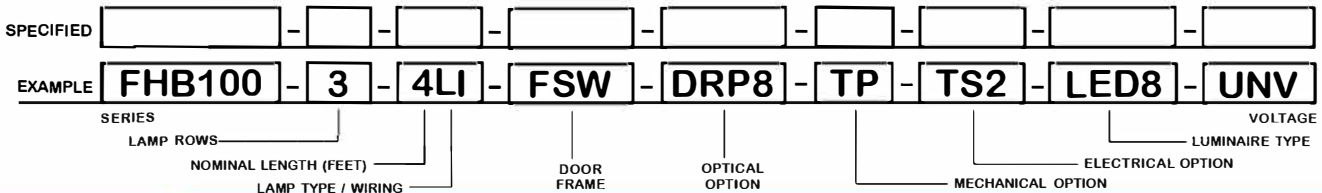
**SAFETY SWITCH**

**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**



**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.



**LO = LED T8 internal driver light tube.**  
Both ends powered, one wire connects lampholders together from each side.  
Non-shunted sockets used.



**OPTIONS AND ACCESSORIES**

- **OPTICAL OPTIONS**  
Polycarbonate Lenses  
High Impact Acrylic

**SUFFIX**  
PPC8  
DRP8

- **MECHANICAL OPTIONS**  
Tamper Proof Screw  
Gasketing

**SUFFIX**  
TP  
GSK

- **ELECTRICAL OPTIONS**  
LED Luminaire ON/OFF Safety Switch

**SUFFIX**  
TS2

- **ACCESSORIES**  
Hanger Yokes  
Swing Out Jack

**SUFFIX**  
HS-12 1/2  
SOJ

\*See Appropriate Reference Page

**SPECIFICATIONS**

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

Recessed mounted, 12" wide luminaires designed for handball and racquetball courts for LED T8 internal driver light tube (s)\*\*.  
22 ga. cold rolled steel housing. (20 ga. housing available as specified)  
Baked white polyester finish, minimum reflectance 86%. (Powder coated finish available.)  
20 gauge cold rolled steel. Full length piano hinge. Captive screw catch.  
.187 High impact "DR" formulated acrylic.  
Operates LED T8 internal driver light tube(s)\*\*.  
U.L. Listed. Suitable for damp locations.

\*\* Lamp(s) by others.

