



# RECESSED

## FHL320 SERIES



### 2X4, 5" Depth / Premium Grade Trim



- 2x4, 5" Depth / Premium Grade Trim Flange Luminaire
- 22 Gauge Cold Rolled Steel Housing
- One Piece Welded Trim Flange Painted After Fabrication
- 20 Gauge Steel or Extruded Aluminum Door Frame Screwed at Each Corner
- Door Frame Painted After Fabrication
- 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](http://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](http://www.lalighting.com)

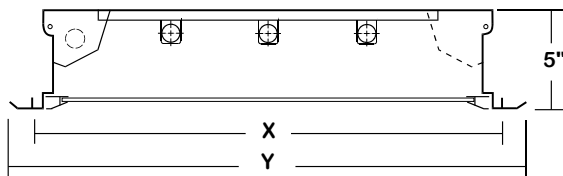
**RECESSED - Fluorescent**

LED Equivalent Products Available on [www.lalighting.com](http://www.lalighting.com)



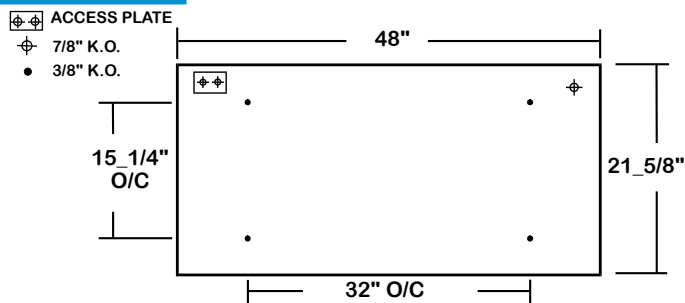
**FHL320 SERIES  
2x4**

**CROSS SECTION**



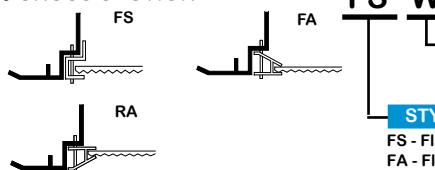
Ceiling Opening X - 24 1/2" x 48 1/2"  
Overall Width By Length Y - 26" x 50"

**BACK PLATE**



**DOOR FRAME INFORMATION**

**CROSS SECTION**



**FINISHES**

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

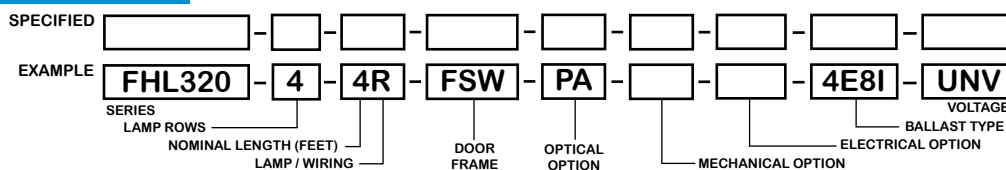
**STYLES**

FS - Flat Steel  
FA - Flat Extruded Aluminum  
RA - 5/8" Regressed Extruded Aluminum  
R2 - 2" Regress

**CATALOG NUMBER**

	NOMINAL WIDTH X LENGTH	TOTAL LAMPS		NOMINAL WIDTH X LENGTH	TOTAL LAMPS
FHL320-2-4M	2' X 4'	2	FHL320-2-4R	2' X 4'	2
FHL320-3-4M	2' X 4'	3	FHL320-3-4R	2' X 4'	3
FHL320-4-4M	2' X 4'	4	FHL320-4-4R	2' X 4'	4
FHL320-5-4M	2' X 4'	5	FHL320-5-4R	2' X 4'	5
FHL320-6-4M	2' X 4'	6	FHL320-6-4R	2' X 4'	6

**ORDERING GUIDE**



**NOTE: LAMP/WIRING\***  
M = Miniature Bi-Pin T5  
R = Medium Bi-Pin T8

**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  
**ELECTRICAL OPTIONS**  
Emergency Battery Pack  
External Line Fusing (HLR/GLR)

**SUFFIX**

TP  
**GSK\***  
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**

Hanger Yokes  
Swing Out Jack

**CAT. NO.**

HS-24 1/2  
SOJ

\*Refer to [www.lalighting.com/resources](http://www.lalighting.com/resources) for more information

**SPECIFICATIONS**

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

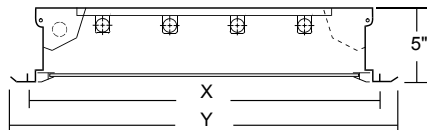
A versatile recessed mounted flanged luminaire.  
22 ga. cold rolled steel housing. (20 ga. housing available as specified)  
Baked white polyester finish, minimum reflectance 86%. (Powder coated finish available.)  
20 gauge cold rolled steel or extruded aluminum in various finishes. T-hinge, positive spring loaded latch.  
One way polyurethane gasketed standard. More options available.  
Clear prismatic acrylic standard. 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. Compatible with UL Fire-Rated Ceiling Assemblies.



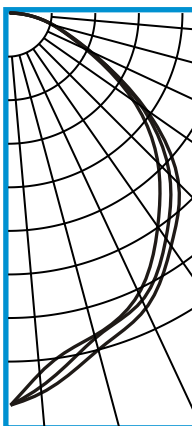
**PHOTOMETRIC DATA**

**FHL320-4-4R-FSW-PA-E8**

TEST NO.=LA-T0263-1  
 LAMP TYPE=FO32T8  
 NO. OF LAMP=4  
 LUMENS PER LAMP=2900  
 WATTS PER LAMP=32  
 BALLAST FACTOR=1  
 PHOTOMETRY TYPE=C



Ceiling Opening X - 24\_ 1/2" X 48\_ 1/2"  
 Overall Width By Length Y - 26" X 50"



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	3301	3301	3301
5	3025	3144	3201
15	2800	2819	2920
25	2582	2651	2724
35	2164	2287	2365
45	1748	1887	1994
55	1244	1326	1367
65	672	713	703
75	352	360	352
85	103	107	106
90	6	6	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	2332	20.1	30.9
0-40	3762	32.4	49.8
0-60	6397	55.2	84.6
0-90	7557	65.1	100.0
90-120	2	0.0	0
90-150	2	0.0	0
90-180	2	0.0	0
0-180	7559	65.2	100.0

Lumen Output = 7559 lumens  
 Luminaire Efficiency = 65.2%

**SPACING CRITERION**

ALONG	ACROSS
1.08	1.15

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