



RECESSED FHB 100 (4FT)

SERIES (8' AVAILABLE)
HIGH IMPACT FLAT TRIM FLANGED HANDBALL/RACQUETBALL COURT LUMINAIRE

LED

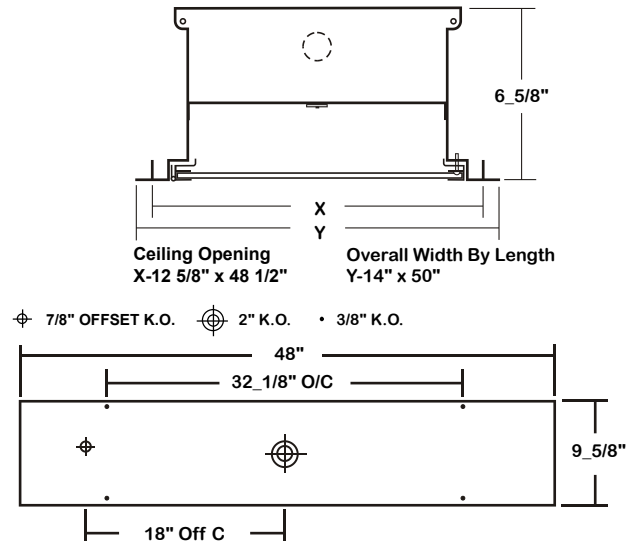
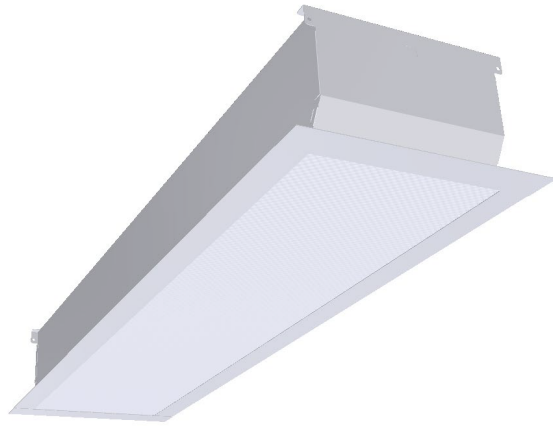
DATE

JOB

WWW.LALIGHTING.COM
626-454-8300

RECESSED MOUNTED LED LUMINAIRE

DIMENSIONS



APPLICATIONS

- Handball Court, Racquetball Court, Commercial

FEATURES

- 0-10V dimming driver standard
- Supports California Title 24 compliance

OPTIONS

- Continuous row mounting available upon request
- Full customization available upon request
- Additional lumen packages and color temperatures available
- Wireless control options available
- Variety of lenses available
- Emergency battery pack available
- Tamper proof screws available
- Hanger yokes available
- Swing-out jacks available

SPECIFICATIONS

CONSTRUCTION

- 22 ga. cold rolled steel housing (20 ga. housing available as specified)
- 20 ga. cold rolled steel door frame secured by full length piano hinge and 2 captive screws
- One way polyurethane gasket (additional gasket options available)

FINISH

- Baked white polyester finish / powder coated finish available / minimum reflectance 86%
- Trim flange: painted after fabrication
- Door frame: painted after fabrication

OPTICAL

- Inverted high impact clear prismatic "DR" formulated acrylic lens (nominal 0.187)

ELECTRICAL

- High efficiency drivers coupled with long-life LEDs
- Service life greater than 50,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) $\leq 20\%$

LISTING

- UL USA and Canada listed / suitable for damp locations

WARRANTY

- 5-year limited warranty



Los Angeles Lighting Mfg. Co.
Contact Us
T: 626-454-8300 10141 Olney Street
F: 626-454-8399 El Monte, CA 91731
www.lalighting.com Made in the USA



Due to continued product improvements and enhancements, Los Angeles Lighting Manufacturing Company reserves the right to alter specifications, dimensions, data, and/or materials without notice. Please visit our website to view the most current information.

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Revised: 06/19/23



ORDERING INFORMATION

EXAMPLE: FHB100-8-4L-FSW-DRP8-TP-BPL1.5-DRDM-UNV-1/840

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	DOOR FRAME	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
FHB100			4L					DRDM	UNV		
FHB100 High Impact Flat Trim Flanged Handball / Racquetball Court LED Luminaire	2 Nom. 2000 Lumens 4 Nom. 4000 Lumens 6 Nom. 6000 Lumens 8 Nom. 8000 Lumens 12 Nom. 12000 Lumens *Additional Lumen Packages Available	(Blank) Standard HE High Efficacy (Only 2000 / 4000 / 6000 / 12000 lumens Systems)	4L 4'	FSW Flat Steel White Enamel	DRP8 High Impact Clear Prismatic Acrylic Nominal 0.187 PPC8 Clear Prismatic Polycarbonate Nominal 0.187	TP Tamper Proof Screws (Hex Socket with Post) GSKN1 One Way Neoprene Gasket *Leave Blank if Not Specified <u>Additional Mechanical Options</u>	BPL1.5 1500lm Emergency Battery Pack WLC(LED RU) EnOcean Wireless Control *Leave Blank if Not Specified <u>Additional Electrical Options</u>	DRDM 0-10V Dimming Driver	UNV 120V-277V	1 One LED Row (Only 2000 / 4000 / 6000 / 8000 lumens Systems) 2 Two LED Rows (Only 12000 lumens System)	830 80+CRI / 3000K Color Temp. 835 80+CRI / 3500K Color Temp. 840 80+CRI / 4000K Color Temp. 850 80+CRI / 5000K Color Temp. *Additional Color Temp. Available
Standard options for FHB100 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.											

SYSTEM DATA

THESE ARE THE MOST POPULAR LUMEN PACKAGES. PLEASE CONSULT FACTORY FOR ADDITIONAL SYSTEM DATA.

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	FHB100-2-4L-FSW-DRP8-DRDM-UNV-1/840	1756 lm	15.7 W	111.7 lm/w	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	FHB100-4-4L-FSW-DRP8-DRDM-UNV-1/ 840	3354 lm	33.3 W	100.6 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	*
6000 Lumens (Nominal)	FHB100-6-4L-FSW-DRP8-DRDM-UNV-1/ 840	4794 lm	52.3 W	91.6 lm/W	-20°C / 35°C	3-F32T8	*
8000 Lumens (Nominal)	FHB100-8-4L-FSW-DRP8-DRDM-UNV-1/840	6261 lm	49.7 W	126.0 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	LA-T3281
12000 Lumens (Nominal)	FHB100-12-4L-FSW-DRP8-DRDM-UNV-2/840	9589 lm	104.6 W	91.6 lm/W	-20°C / 35°C	6-F32T8	*

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	FHB100-2HE-4L-FSW-DRP8-DRDM-UNV-1/840	1691 lm	12.0 W	140.5 lm/W	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	FHB100-4HE-4L-FSW-DRP8-DRDM-UNV-1/ 840	3330 lm	24.8 W	134.2 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	*
6000 Lumens (Nominal)	FHB100-6HE-4L-FSW-DRP8-DRDM-UNV-1/ 840	4853 lm	37.9 W	128.1 lm/W	-20°C / 35°C	3-F32T8	*
12000 Lumens (Nominal)	FHB100-12HE-4L-FSW-DRP8-DRDM-UNV-2/ 840	9707 lm	75.8 W	128.1 lm/W	-20°C / 35°C	6-F32T8	*

NOTE:

System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application.

This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range noted in the system data table.

Additional lumen packages and color temperatures available.



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Revised: 06/19/23

MADE IN THE USA
BAA Compliant

OPTICAL OPTIONS

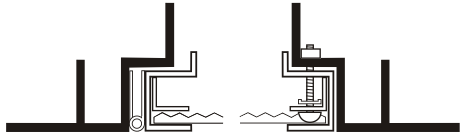
STANDARD LENSES FOR FHB100

DRP8	High Impact Clear Prismatic Acrylic, Nominal 0.187 Thickness
PPC8	Clear Prismatic Polycarbonate, Nominal 0.187 Thickness

[CLICK HERE FOR FULL OPTICAL OPTIONS LIST](#)

DOOR FRAME

CROSS SECTION



FEATURES

- Full Length Piano Hinge
- Inner Frame Lens Retainer Rail
- Sealed with Neoprene Gasket
- Inverted Lens

FS W

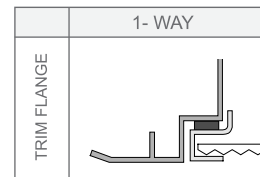
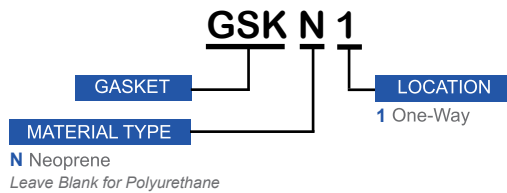
FINISHES

- W** White Enamel
- B** Black Enamel

STYLES

- FS** Flat Steel

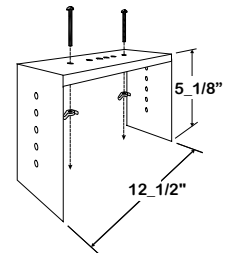
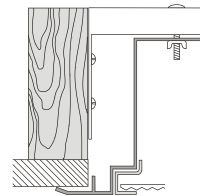
GASKET



ACCESSORIES

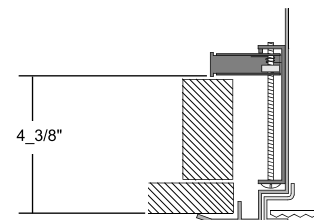
HS-12_1/2

- Hanger Yokes
- Compatible with all types of recessed flanged fixtures
- 1/4 - 20 x 3" machine screws locate into knockout on back of fixture housing
- Two (2) per fixture



SOJ

- Swing-Out Jacks
- Compatible with selected types of recessed flanged fixtures
- Spring loaded adjustable mounting bracket for mounting in drywall or plaster type ceiling
- Two (2) brackets on each side of fixture housing
- Four (4) per fixture



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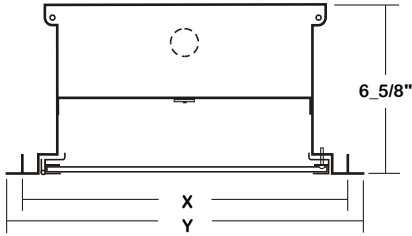
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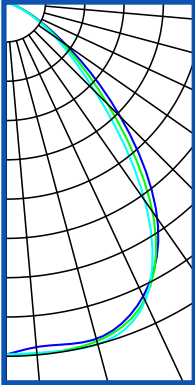
PHOTOMETRIC DATA - FHB100 - 4'

FHB100-8-4L-FSW-DRP8-DRDM-UNV-1/840

TEST NO. = LA-T3281
LED TYPE = 48 LED MODULE
NO. OF MODULE = 2
SYSTEM WATT (W) = 49.7
CRI ≥ 80
L70(Hrs.) ≥ 50,000
PHOTOMETRY TYPE = C



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



CANDLEPOWER

ANGLE	END	45	CROSS
0	3410	3410	3410
5	3351	3415	3408
15	3374	3397	3428
25	3141	3176	3188
35	2554	2473	2343
45	1567	1392	121
55	702	635	579
65	247	231	217
75	70.3	66.5	62.7
85	9.9	8.9	7.9
90	0.5	0.3	0.2
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	2755	34.5	44.00
0-40	4301	53.8	68.70
0-60	5952	74.4	95.10
0-90	6260	78.3	100.00
90-120	0.10	0.00	0.00
90-150	0.10	0.00	0.00
90-180	0.10	0.00	0.00
0-180	6260	78.3	100

Luminaire Output = 6259.9 lm
Luminaire Efficacy = 126 lm/W

SPACING CRITERION

ALONG	ACROSS
1.23	1.19

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