



RECESSED LED

FHB 100 (8FT) SERIES (4' AVAILABLE)

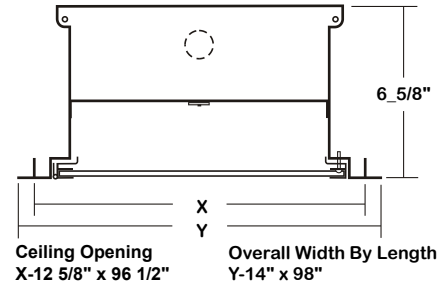
HIGH IMPACT FLAT TRIM FLANGED HANDBALL/RACQUETBALL COURT LUMINAIRE

DATE	
JOB	

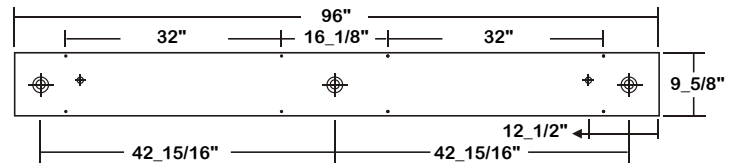
WWW.LALIGHTING.COM
626-454-8300

RECESSED MOUNTED LED LUMINAIRE

DIMENSIONS



⌀ 7/8" OFFSET K.O. ⌀ 2" K.O. • 3/8" K.O.



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 / two 4' door frames per 8' fixture
- 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) / two 4' lenses per 8' fixture

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) ≤ 20%

LISTING

- UL USA and Canada listed / suitable for damp locations

WARRANTY

- 5-Year limited warranty standard. 10-Year limited warranty also available



Los Angeles Lighting Mfg. Co.

Contact Us
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www.lalighting.com Made in the USA



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Revised: 06/27/23



MADE IN THE USA
BAA Compliant

ORDERING INFORMATION

EXAMPLE: FHB100-8-8L-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			8L					DRDM	UNV	1	
FHB100 High Impact Flat Trim Flanged Handball / Racquetball Court LED Luminaire	4 Nom. 4000 Lumens 8 Nom. 8000 Lumens 12 Nom. 12000 Lumens 16 Nom. 16000 Lumens *Additional Lumen Packages Available	(Blank) Standard HE High Efficacy (Only 4000 / 8000 / 12000 lumens Systems)	8L 8'	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	BPL1.5 1500lm Emergency Battery Pack WLC(LED RU) EnOcean Wireless Control *Leave Blank if Not Specified	DRDM 0-10V Dimming Driver	UNV 120V-277V	1 One LED Row	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 FBH100 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
4000 Lumens (Nominal)	FHB100-4-8L-FSW-DRP8-DRDM-UNV-1/840	3573 lm	31.4 W	113.6 lm/W	-20°C / 35°C	2-F32T8	*
8000 Lumens (Nominal)	FHB100-8-8L-FSW-DRP8-DRDM-UNV-1/840	6825 lm	65.1 W	104.8 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	LA-T3285
12000 Lumens (Nominal)	FHB100-12-8L-FSW-DRP8-DRDM-UNV-1/840	9755 lm	104.6 W	93.2 lm/W	-20°C / 35°C	6-F32T8	*
16000 Lumens (Nominal)	FHB100-16-8L-FSW-DRP8-DRDM-UNV-1/840	12734 lm	97.7 W	130.4 lm/W	-20°C / 35°C	8-F32T8, 4-F54T5HO	LA-T3286

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
4000 Lumens (Nominal)	FHB100-4HE-8L-FSW-DRP8-DRDM-UNV-1/840	3440 lm	24.1 W	142.9 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	*
8000 Lumens (Nominal)	FHB100-8HE-8L-FSW-DRP8-DRDM-UNV-1/840	6773 lm	49.6 W	136.5 lm/W	-20°C / 35°C	3-F32T8	*
12000 Lumens (Nominal)	FHB100-12HE-8L-FSW-DRP8-DRDM-UNV-1/840	9872 lm	75.8 W	130.3 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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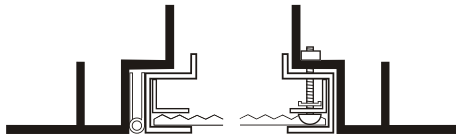
OPTICAL OPTIONS

STANDARD LENSES FOR FHB100

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

DOOR FRAME

CROSS SECTION



FEATURES

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

FS W

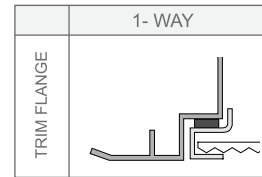
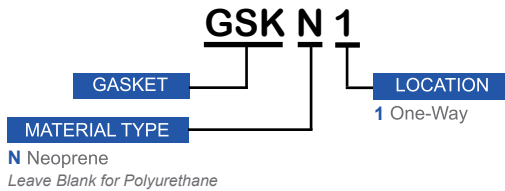
FINISHES

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

STYLES

- FS** Flat Steel

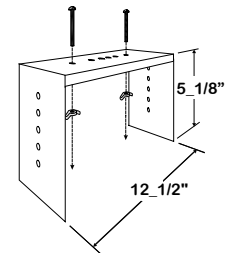
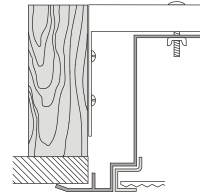
GASKET



ACCESSORIES

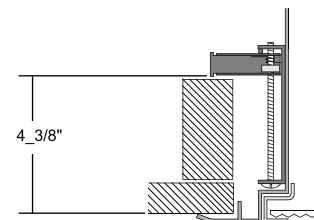
HS-12_1/2

- 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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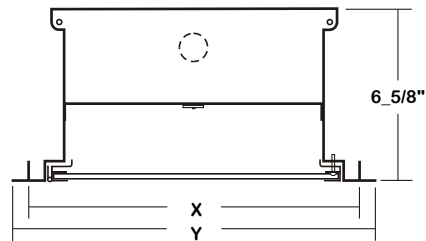
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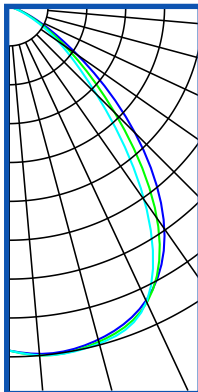
PHOTOMETRIC DATA - FHB100 - 8'

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

TEST NO. = LA-T3285
 LED TYPE = 48 LED MODULE
 NO. OF MODULE = 4
 SYSTEM WATT (W) = 65.1
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE = C



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



CANDLEPOWER

ANGLE	END	45	CROSS
0	3572	3572	3572
5	3621	3637	3635
15	3581	3604	3622
25	3368	3390	3382
35	2815	2682	2452
45	1853	1554	1287
55	870	718	623
65	309	266	230
75	86.89	74.94	66.71
85	11.77	10.07	8.32
90	0.64	0.28	0.12
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	2933	34.24	42.98
0-40	4603	53.72	67.45
0-60	6469	75.51	94.80
0-90	6824	79.65	100.00
90-120	0.09	0.00	0.00
90-150	0.09	0.00	0.00
90-180	0.09	0.00	0.00
0-180	6824	79.65	100

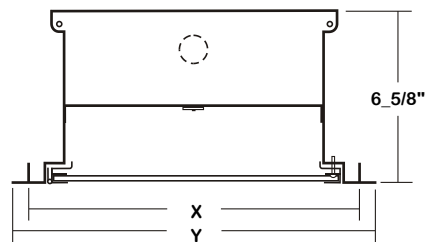
Luminaire Output = 6824.1 lm
 Luminaire Efficacy = 104.8 lm/W

SPACING CRITERION

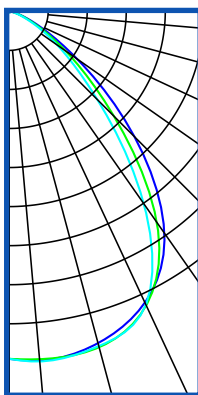
ALONG	ACROSS
1.26	1.19

FHB100-16-8L-FSW-DRP8-DRDM-UNV-1/840

TEST NO. = LA-T3286
 LED TYPE = 48 LED MODULE
 NO. OF MODULE = 4
 SYSTEM WATT (W) = 97.7
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE = C



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



CANDLEPOWER

ANGLE	END	45	CROSS
0	6762	6762	6762
5	6821	6795	6839
15	6685	6767	6743
25	6253	6314	6299
35	5268	5012	4571
45	3451	2884	2430
55	1618	1344	1151
65	576	465	429
75	157	142	124
85	20.38	18.90	16.33
90	0.73	0.53	0.23
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	5474	34.23	42.99
0-40	8594	53.74	67.49
0-60	12073	75.50	94.82
0-90	12733	79.62	100.00
90-120	0.14	0.00	0.00
90-150	0.14	0.00	0.00
90-180	0.14	0.00	0.00
0-180	12733	79.65	100

Luminaire Output = 12732.8 lm
 Luminaire Efficacy = 130.3 lm/W

SPACING CRITERION

ALONG	ACROSS
1.26	1.19

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