

# L1FB

## LED HIGH BAY LUMINAIRE

Stanpro's L1FB is ideally suited for high ceiling applications where uniform and efficient lighting is required. The L1FB High Bay is a perfect solution for industrial and commercial applications that require low maintenance and high performance.

### APPLICATIONS

- Warehouses
- Factories
- Sports arenas
- Large stores
- Distribution facilities

### FEATURES AND SPECIFICATIONS

#### Housing

- Housing made with 22-gauge rolled steel with enamel powder coating applied post-production
- Easy to install for suspended mounting
- Specular reflectors with high reflectance
- Wireguard is optional and is secured to the luminaire with screws
- Easy driver access from the top of the luminaire
- 6 ft of cable standard

#### Mounting

Hook mount standard. Aircraft cables available separately.

#### Ambient temperature

- S1A, S2A & S3A:** -40°C to +55°C
- S4A:** -40°C to +45°C
- S5A & S6A:** -40°C to +40°C

#### • Compliances

- Suitable for damp locations
- cCSAus

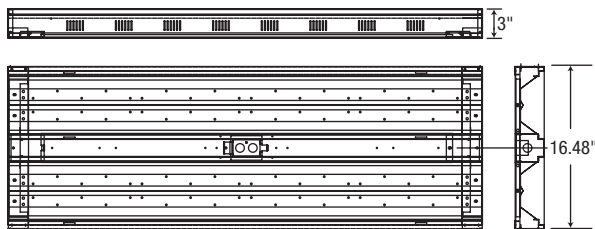
#### • Specifications

##### Driver

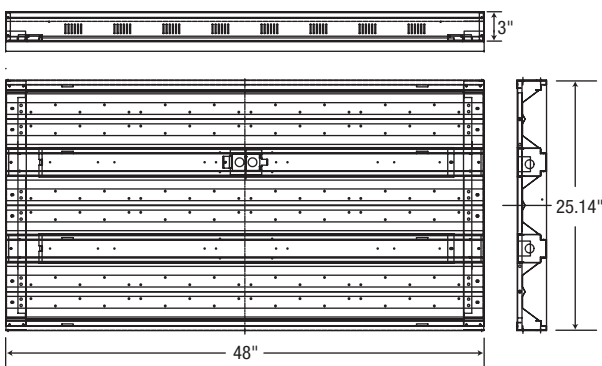
- 120-277V, 347V
- 0-10V dimming driver standard

### DIMENSIONS

S1A, S2A, S3A, S4A



S5A, S6A



Project: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Catalogue #: \_\_\_\_\_  
 Drawn by: \_\_\_\_\_  
 Date: \_\_\_\_\_



Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/search](http://www.designlights.org/search).

### OVERVIEW

Light source	LED
Wattage	86W - 405W
Lumens	12,085lm - 54,396lm
lm/W	126.5lm/W - 149.9lm/W
Colour temperature	3000K, 3500K, 4000K, 5000K
CRI	80+
Weight	15.23lbs

**ORDERING GUIDE**

L1FB — L — — — / — /

Series	Lamp type	Lumens	Voltage	Colour temperature	Options
L1FB	L - LED	<b>S1A</b> - 12,832 lumens (86W)* <b>S2A</b> - 20,139 lumens (137W)* <b>S3A</b> - 26,160 lumens (187W)* <b>S4A</b> - 33,559 lumens (246W)* <b>S5A</b> - 46,196 lumens (327W)* <b>S6A</b> - 54,396 lumens (405W)*	<b>W</b> - 120-277V <b>H</b> - 347V	<b>30K</b> - 3000K <b>35K</b> - 3500K <b>40K</b> - 4000K <b>50K</b> - 5000K	<b>DIM1</b> - 5 wire cable for AC and 0-10V dimming** <b>L10</b> - 10' white power cord <b>L10-BK</b> - 10' black power cord <b>KV</b> - 10kV surge protector <b>OS</b> - Occupancy sensor*** <b>FRL</b> - Frosted prismatic lens <b>CPL</b> - Clear prismatic lens <b>U347</b> - Male 347V twist lock plug

\* Values base on 120-277V and 4000K CCT.

\*\* When selecting DIM1 option please also select cable option whether L10 or L10-BK.

\*\*\* To see available options, please consult the occupancy sensors section.

**TM21 TABLE**

Parameters	S1A	S2A	S3A	S4A	S5A	S6A
Time (t) at which to estimate lumen maintenance (hours)	50,000	50,000	50,000	50,000	50,000	50,000
Lumen maintenance at time (t) (%)	92.33	91.39	91.39	91.39	92.29	91.75
Calculated L70 (hours)	201,220	179,640	179,640	179,640	198,490	186,660
Reported L70 (hours)	> 60,000	> 60,000	> 60,000	> 60,000	> 60,000	> 60,000

**ACCESSORIES (order separately)**

<b>WIR138-9.8</b>	Aircraft suspension cables (10 ft)
<b>WGD060-KIT</b>	White wireguard (S1A, S2A, S3A, S4A)
<b>WGD061-KIT</b>	White wireguard (S5A, S6A )
<b>BKT347</b>	4 ft suspension chains (set of 2)

**Comments**

**OCCUPANCY SENSORS**
**ON-OFF SENSORS**

 Detection - On at (*Detection Area*) % during (*Hold Time*) min. Off

Part number	Position	Voltage	Technology	Height	Detection Area	Hold time	Daylight min level	Remote*	Location
<b>OSE-PO-0303**</b>	External	120-347V	PIR	20-40ft	100%	20min	NA		Dry, -10°C to 70°C
<b>OSE-PO-0304**</b>	External	120-347V	PIR	20-40ft	100%	20min	NA		Dry, -40°C to 4°C
<b>OSE-PO-0503**</b>	External	120-347V	PIR	15-40ft	100%	15min	3000 lux	OSI-FSIR-100	Dry, 0°C to 70°C
<b>OSE-PO-0504**</b>	External	120-347V	PIR	15-40ft	100%	15min	3000 lux		Dry, 0°C to 70°C
<b>OSE-FO-0401</b>	External	120-347V	High Frequency	50ft max	100%	20min	Disable	OSI-RC-MH02	Wet, -35°C to 55°C

\* To be ordered separately

\*\* Sensor with arm

**BI-LEVEL SENSORS**

 Detection - On at (*Detection Area*) % during (*Hold Time*) min., then (*Stand-by Dim level*) %

Part number	Position	Voltage	Technology	Height	Detection Area	Hold time	Stand-by Dim level	Daylight min level	Remote*	Location
<b>OSE-PB-0202</b>	External	120-347V	PIR	20ft	100%	30min	40%	Disable	OSI-FSIR-100	Wet, -40°C to 75°C
<b>OSE-FB-0401</b>	External	120-347V	High Frequency	50ft max	100%	20min	30%	Disable	OSI-RC-MH02	Wet, -35°C to 55°C

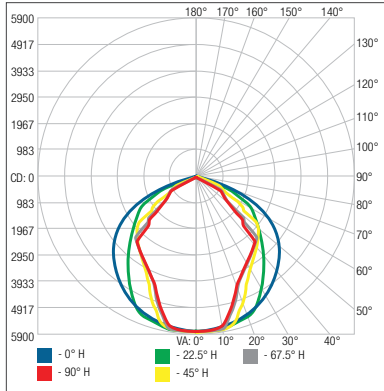
\* To be ordered separately

[stanprols.com/documentation/technical-information](http://stanprols.com/documentation/technical-information)

PHOTOMETRIC DATA

L1FB-LS1A-W/H-40K • 12,143.2lm

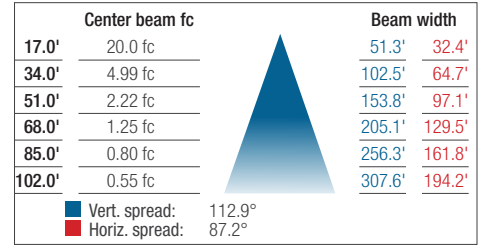
Polar candela distribution



Zonal lumen summary

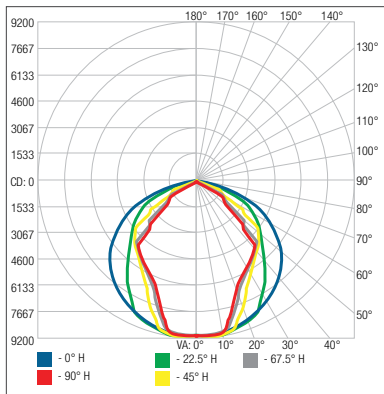
Zone	Lumens	% Fixture
0-30	4110.0	33.8%
0-40	6520.7	53.7%
0-60	10,740.5	88.4%
60-90	1402.7	11.6%
0-90	12,143.2	100%

Illuminance at a distance



L1FB-LS2A-W/H-40K • 19,052.7lm

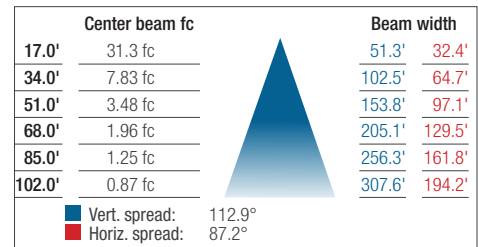
Polar candela distribution



Zonal lumen summary

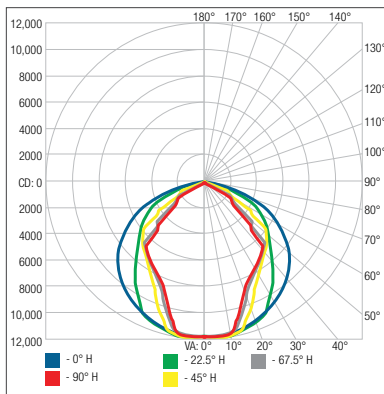
Zone	Lumens	% Fixture
0-30	6448.7	33.8%
0-40	10,230.9	53.7%
0-60	16,851.9	88.4%
60-90	2200.8	11.6%
0-90	19,052.7	100%

Illuminance at a distance



L1FB-LS3A-W/H-40K • 24,760.0lm

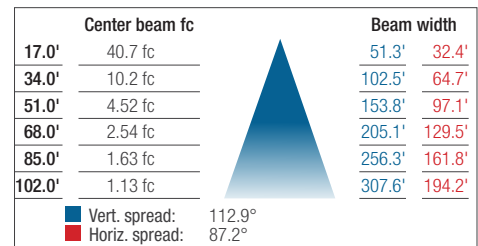
Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	8380.4	33.8%
0-40	13,295.7	53.7%
0-60	21,899.9	88.4%
60-90	2860.1	11.6%
0-90	24,760.0	100%

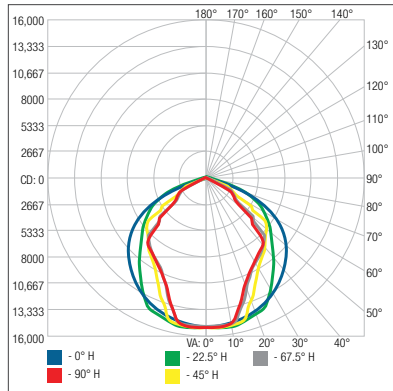
Illuminance at a distance



PHOTOMETRIC DATA (cont'd)

L1FB-LS4A-W/H-40K • 31,754.5lm

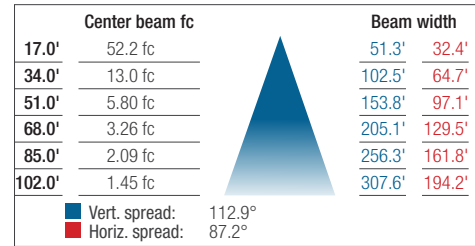
Polar candela distribution



Zonal lumen summary

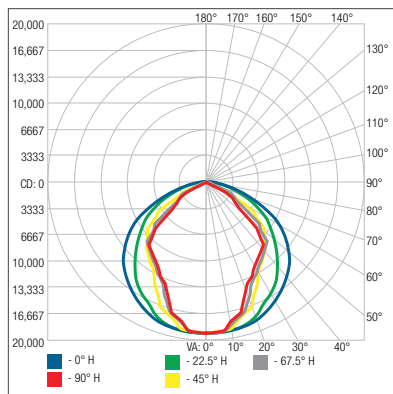
Zone	Lumens	% Fixture
0-30	10,747.8	33.8%
0-40	17,051.6	53.7%
0-60	28,086.4	88.4%
60-90	3668.1	11.6%
0-90	31,754.5	100%

Illuminance at a distance



L1FB-LS5A-W/H-40K • 43,730.2lm

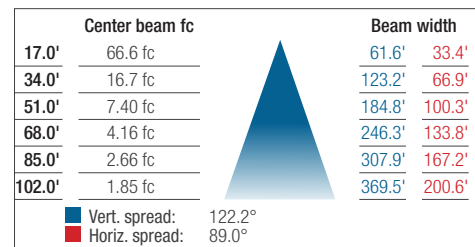
Polar candela distribution



Zonal lumen summary

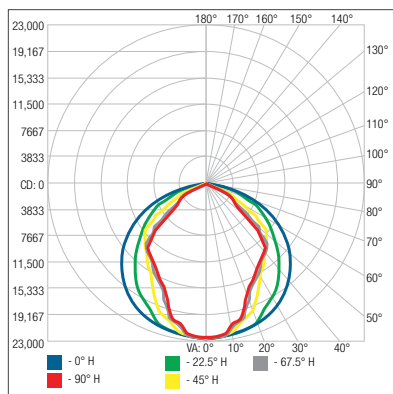
Zone	Lumens	% Fixture
0-30	13,883.1	31.7%
0-40	22,238.2	50.9%
0-60	37,796.9	86.4%
60-90	5933.4	13.6%
0-90	43,730.3	100%

Illuminance at a distance



L1FB-LS6A-W/H-40K • 51,514.2lm

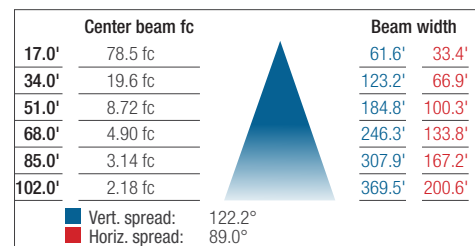
Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	16,354.3	31.7%
0-40	26,196.6	50.9%
0-60	44,524.7	86.4%
60-90	6989.5	13.6%
0-90	51,514.2	100%

Illuminance at a distance



All products are subject to change or may be discontinued any time without notice.