

LUMIFA LF2B

Control Panels • Industrial Equipment • Manufacturing Lines & Work Stations



PRODUCT DESCRIPTION

The LF2B features a rugged, slim design for industrial applications and installations where space is limited. Its high illuminance, snap-in mounting brackets, range of input voltages, DC-battery compatibility and IP65 rating make this series ideal for a wide variety of lighting applications, from control panels to industrial equipment in wet environments.

KEY FEATURES

- Slim size: 40 mm wide x 29 mm high
- Five lengths: 210, 330, 580, 830 and 1,080 mm
- Clear or white cover options
- 100-240V AC or 12/24V DC rated voltages
- Mounting brackets enable one-step installation process in tight spaces
- IP65-rated for use in wet environments

GENERAL SPECIFICATIONS

Model		LF2B-B (210mm)	LF2B-C (330mm)	LF2B-D (580mm)	LF2B-E (830mm)	LF2B-F (1,080mm)
Rated Voltage		100-240V AC 50/60Hz (Voltage range: 90-264V AC)				
		12V/24V DC (Voltage range: 10.8-30V DC)				
Input Current (typ.) (at the rated voltage) ¹ , mA	AC100~240V AC	28	57	80	128	165
	12V/24V DC	215	409	880	–	–
Rated Power (at the rated voltage), W	100~240V AC	2.2	4.4	7.8	12.2	15.9
	12V/24V DC	2.6	4.9	10.6	–	–
Insulation Resistance		100MΩ minimum (500V DC megger)				
Dielectric Strength	100~240V AC	2,000V AC, 1 minute (between live and dead parts)				
	12V/24V DC	1,000V AC, 1 minute (between live and dead parts)			–	
Vibration Resistance		Frequency 5 - 55Hz, Amplitude 0.17mm, speed acceleration 20m/s ² , 3 directions, 2 hours each				
Shock Resistance		300m/s ² , 6 directions, 5 times each				
Operating Temperature		–30 to +55°C (no freezing)				
Operating Humidity		45 to 85% RH (no condensation)				
Storage Temperature		–35 to +70°C (no freezing)				
Operating Atmosphere		No corrosive gases				
Life ²		40,000 hours (Ta = 25°C) (The total illumination life in which the brightness maintains a minimum of 70% of the initial value.)				
Degree of Protection		IP65 (IEC 60529)				
Material		Front Cover: Polycarbonate Resin; End Cover/Cable Gland: Polyamide Resin; Cable: PVC sheathing (24AWG)				
Weight (approx.), g	100~240V AC	200	255	400	520	645
	12V/24V DC	175	235	370	–	–

1. 100V AC input for 100~240V AC; 12V DC input for 12V/24V DC.
2. LED life depends on the operating environment.



*UL applies for DC units only.

LED OPTICAL SPECIFICATIONS

Model	LF2B-B (210mm)		LF2B-C (330mm)		LF2B-D (580mm)		LF2B-E (830mm)		LF2B-F (1,080mm)	
Illumination Color	Cool White									
Color Temperature, K	6500									
Cover	Clear	White	Clear	White	Clear	White	Clear	White	Clear	White
Luminous Flux (typ.), lm	235	215	465	425	935	860	1380	1270	1860	1710
Reference Illuminance (typ.) at 0.5m directly below, lx	290	265	540	500	1065	980	1385	1275	1520	1400

LED modules and illumination units may vary in illumination colors and illuminance.

PART NUMBERS

Illumination Color	Cool White			
Cover	Clear Cover		White Cover	
Rated Voltage	100 - 240V AC		12V/24V DC	
LF2B-B (210mm)	LF2B-B3P-ATHWW2-1M	LF2B-B3P-BTHWW2-1M	LF2B-B4P-ATHWW2-1M	LF2B-B4P-BTHWW2-1M
LF2B-C (330mm)	LF2B-C3P-ATHWW2-1M	LF2B-C3P-BTHWW2-1M	LF2B-C4P-ATHWW2-1M	LF2B-C4P-BTHWW2-1M
LF2B-D (580mm)	LF2B-D3P-ATHWW2-1M	LF2B-D3P-BTHWW2-1M	LF2B-D4P-ATHWW2-1M	LF2B-D4P-BTHWW2-1M
LF2B-E (830mm)	LF2B-E3P-ATHWW2-1M	–	LF2B-E4P-ATHWW2-1M	–
LF2B-F (1,080mm)	LF2B-F3P-ATHWW2-1M	–	LF2B-F4P-ATHWW2-1M	–

PART NUMBER STRUCTURE (USE FOR INTERPRETING PART NUMBERS ONLY)

LF2B - C3P - ATHWW2 - 1M

Length

B: 210mm (8.27")
C: 330mm (12.99")
D: 580mm (22.83")
E: 830mm (32.68")
F: 1,080mm (42.52")

Cover
3: Clear
4: White

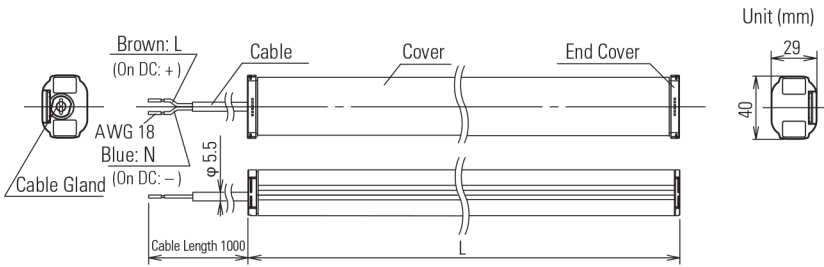
Rated Voltage

A: 100 - 240 VAC
B: 12V/24V DC

DC12V/24V Length

B: (210mm)
C: (330mm)
D: (580mm) only

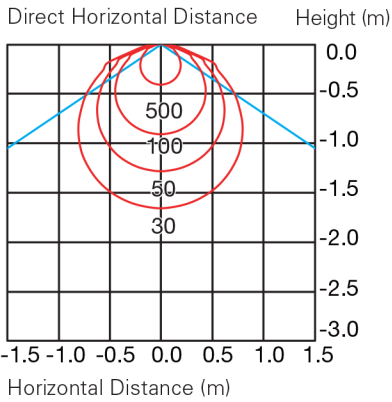
DIMENSIONS (mm)



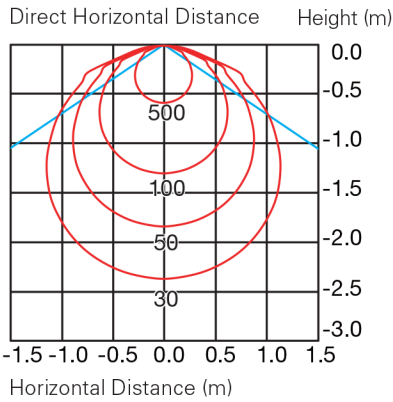
Part Number	L (mm)	Inches
LF2B-B	210	8.27
LF2B-C	330	12.99
LF2B-D	580	22.83
LF2B-E	830	32.68
LF2B-F	1,080	42.52

ILLUMINANCE DISTRIBUTION at 0.5m (lx)

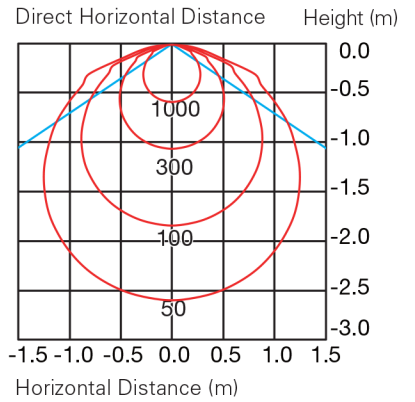
LF2B-B (210mm)



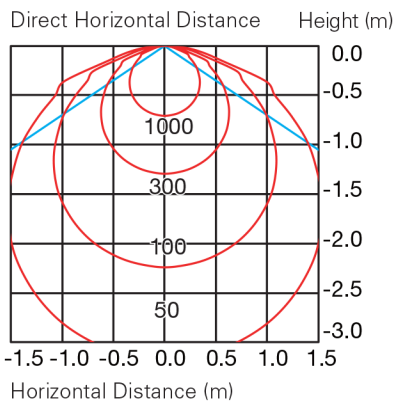
LF2B-C (330mm)



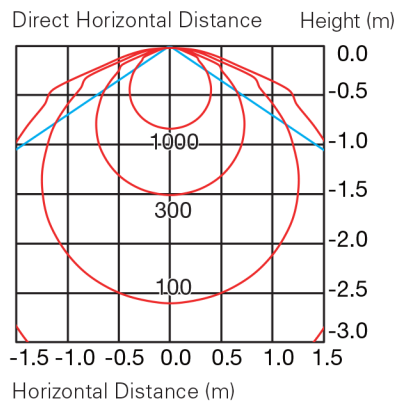
LF2B-D (580mm)



LF2B-E (830mm)



LF2B-F (1,080mm)



ACCESSORIES

Item	Part No.	Notes
Mounting Bracket (U-shape)	LF9Z-1SB21	Comes with the product (see note below)
Mounting Bracket (L-shape)	LF9Z-1SB22	Order separately

LF2B-B, -C, and -D include 2 brackets each; LF2B-E 3 brackets, and LF2B-F 4 brackets.