

# FJ-BL4-SFM55-O FIRE RATED CEILING LIGHT

<b>Catalog #</b>		<b>Prepared by</b>	
<b>Project</b>		<b>Date</b>	
<b>Notes</b>			



## PRODUCT SPECIFICATIONS – TRIM

An architecturally pleasing, easy to install and low profile slim LED instant mount round and square aperture downlighting. Slim line, light weight and sleek look, provides more A Series uniform light and an instant on. It is a low profile downlight intended for ceiling or wall mount applications. This luminaire offers the appearance of a recessed B Input Voltage downlight but is actually surface mounted.

## LED LIGHT ENGINE

- LEDs mounted directly to heatsink designed to provide superior thermal management and ensure long life.
- 3 CCT range changeable, 3000K, 4000K and 5000K operated at reduced output for high efficacy and lumen maintenance.
- 2700K, 3000K, 3500K, and 4000K with 80+ CRI standard; other color temperatures and 90+ CRI available upon request.

## LED DRIVER

- Choice of dedicated 120 volt (120) driver AC at 50/60Hz.
- Power factor > 0.9 at 120V input.
- 120 volt driver is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers.
- External driver on 5" and 7" models only.
- For a list of compatible dimmers.



3 Year Limited Warranty



ETL Certificate



Damp Location



Airtight



IC Rated



2 hour fire rated

\*Other special requirements please confirm with our factory.

## 2 HOURS FIRE RATED CEILING LIGHT

### PRODUCT SPECIFICATIONS – HOUSING

- 2 Hour Fire Resistance to meet and exceed strict fire safety codes.
- Rated for direct contact with IC insulation.
- ETL Certificates ASTM E283 certified Air Tight.
- Die formed #16 gauge galvanized steel construction, Up to 120 minutes fire rated L500 (floor-ceiling) & P500 (roof-ceiling) design.

### HANGER BARS

Pre-installed #21 gauge adjustable bar hangers (14"-24") for wood joist or t-bar ceiling installations.

### APPLICATIONS

Slim LED Flush Mount Downlight is characterized by a completely flat lens with a narrow flange, giving it an architecturally pleasing look. This downlighting solution offers an affordable alternative to Air-Seal IC recessed housings or Fire-Rated boxes, reducing material and installation costs. Apply to automotive and parking, education, government, healthcare, hospitality, offices and banks, religious, retail. Especially in areas with limited ventilation, such as closets and utility rooms.

### INSTALLATION

Pre Installed hanger bars with True Nail easy installation in regular lumber, engineered lumber, and Laminated Beams. Integral T-bar slots for easy installation in T-Bars. Spans up 24" and can be repositioned 90°. Score lines allow for tool-free hanger bar size reduction. Integral leveling flange allows for single-person installation while easily aligning the housings with the joists.

### LISTING/WARRANTY

- ETL listed to US and Canadian standards for damp location W/Feed through. IC rated, Airtight ASTM-E283 Certified, UL 263 certificated up to 2 hour fire rated.
- 3 Year Limited Warranty.



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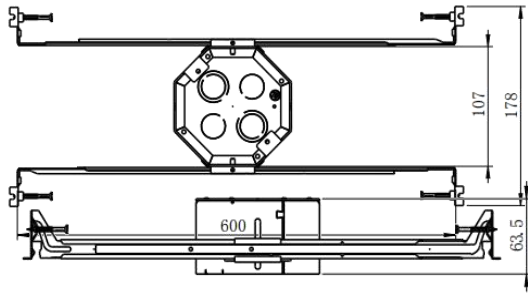
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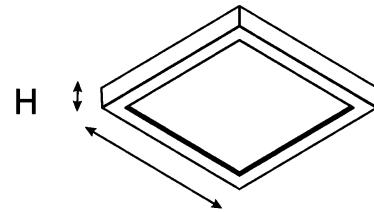
## DIMENSIONS

Unit:mm

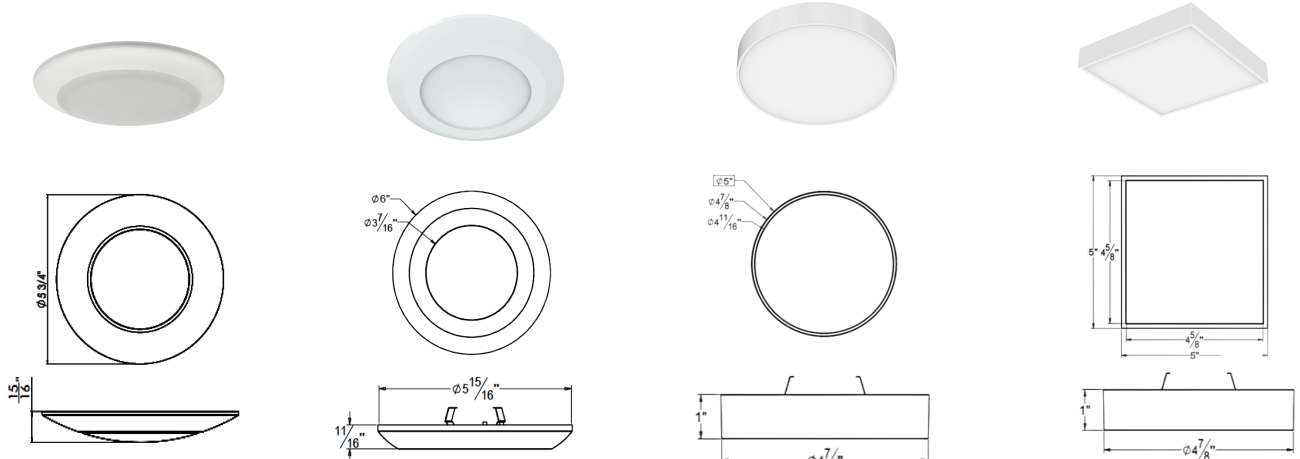
Ceiling opening 96×96mm hole.



H: 1" L: 5 1/2"



## LIGHT ENGINE OPTION



BL4-003

BL4-003-2

BL4-FM55-TL

BL4-SFM55-TL

Serise	BL4-003/BL6-003	BL4-003-2/BL6-003-2	BL4-FM55-TL/BL6-FM7-TL	BL4-SFM55-TL/BL6-SFM7-TL
<b>Input Voltage</b>	120V 60Hz AC	120V 60Hz AC	120V 60Hz AC	120V 60Hz AC
<b>Color Temperature</b>	3000K-6000K	3000K-6000K	3000K-6000K/3CCT	3000K-6000K/3CCT
<b>Wattage</b>	12W/14W	10W/15W	8W/10W/14W	8W/10W/14W
<b>Dimmable</b>	Triac Dimmable	Triac Dimmable	Triac Dimmable	Triac Dimmable
<b>Lumen Output</b>	850lm/1076 lm	550lm/900lm	550lm/720lm/1230lm	550lm/720lm/1230lm
<b>CRI</b>	80+/90+	80+/90+	80+/90+	80+/90+
<b>LED Available</b>	Cree/Citizen/Epistar	Cree/Citizen/Epistar	Cree/Citizen/Epistar	Cree/Citizen/Epistar
<b>Finish</b>	White/Black	White/Black	White/Black	White/Black
<b>Applications</b>	Dry /Damp locations	Dry /Damp locations	Dry /Damp locations	Dry /Damp locations

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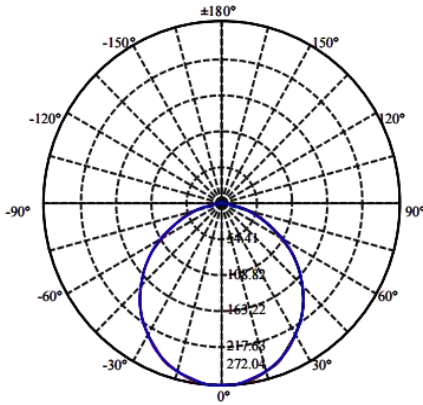
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## PHOTOMETRICS



BL4-SFM55-30K  
 CCT:3000K LEDs  
 input watts: 10.5W  
 delivered lumens: 721, LM/W = 68.94  
 test no. LCZP22060184  
 tested in accordance to LC-I-902 GMS-2000

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	209.84	29.07%	29.07%
0-40	341.73	47.34%	47.34%
0-60	593.30	82.20%	82.20%
0-90	720.69	99.85%	99.85%
0-120	721.03	99.89%	99.89%
0-180	721.81	100.00%	100.00%
60-90	127.40	17.65%	17.65%
90-120	0.34	0.05%	0.05%
90-130	0.44	0.06%	0.06%
90-150	0.74	0.10%	0.10%
90-180	1.11	0.15%	0.15%
0-58.56	577.45	80.00%	80.00%

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.05	1.01	0.97	1.03	0.99	0.96	0.98	0.95	0.93	0.94	0.92	0.90	0.91	0.89	0.87	0.85
2	0.92	0.85	0.80	0.90	0.84	0.79	0.87	0.81	0.77	0.83	0.79	0.75	0.80	0.77	0.74	0.72
3	0.81	0.73	0.67	0.79	0.72	0.66	0.76	0.70	0.65	0.74	0.68	0.64	0.71	0.67	0.63	0.61
4	0.72	0.63	0.57	0.71	0.63	0.56	0.68	0.61	0.56	0.66	0.60	0.55	0.64	0.58	0.54	0.52
5	0.64	0.56	0.49	0.63	0.55	0.49	0.61	0.54	0.48	0.59	0.53	0.48	0.57	0.52	0.47	0.45
6	0.58	0.49	0.43	0.57	0.49	0.43	0.55	0.48	0.42	0.54	0.47	0.42	0.52	0.46	0.42	0.40
7	0.53	0.44	0.38	0.52	0.44	0.38	0.50	0.43	0.38	0.49	0.42	0.37	0.47	0.42	0.37	0.35
8	0.48	0.40	0.34	0.47	0.39	0.34	0.46	0.39	0.34	0.45	0.38	0.33	0.44	0.38	0.33	0.31
9	0.44	0.36	0.31	0.44	0.36	0.30	0.42	0.35	0.30	0.41	0.35	0.30	0.40	0.34	0.30	0.28
10	0.41	0.33	0.28	0.40	0.33	0.28	0.39	0.32	0.28	0.38	0.32	0.27	0.37	0.32	0.27	0.26

## ORDERING GUIDE


Ceiling Light Series	Wattage	Input Voltage	Color Temperature
<input type="checkbox"/> FJ-BL4-FM55-O	<input type="checkbox"/> 10.5  10.5W	<input type="checkbox"/> 120   120V	<input type="checkbox"/> 30K   3000K
<input type="checkbox"/> FJ-BL4-SFM55-O	<input type="checkbox"/> 15  15W		<input type="checkbox"/> 40K   4000K
<input type="checkbox"/> FJ-BL6-FM7-O			<input type="checkbox"/> 50K   5000K
<input type="checkbox"/> FJ-BL6-SFM7-O			<input type="checkbox"/> 60K   6000K
			<input type="checkbox"/> 3CCT   3000K,4000K,5000K

Dimmable	Luminous Flux	Finish	CRI
<input type="checkbox"/> Triac   Triac dimming	<input type="checkbox"/> 720lm	<input type="checkbox"/> WH   White	<input type="checkbox"/> 80   80+
	<input type="checkbox"/> 1230lm	<input type="checkbox"/> BK   Black	<input type="checkbox"/> 90   90+
		<input type="checkbox"/> SN   Satin Nickel	

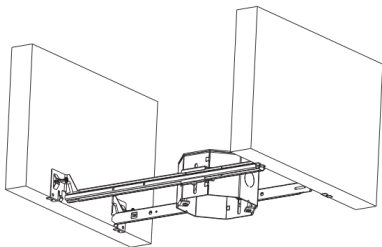
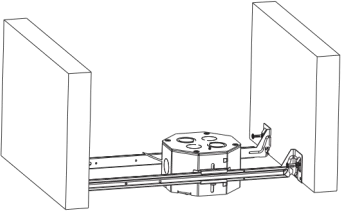
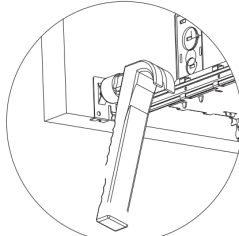
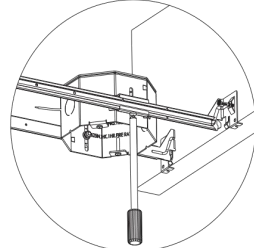
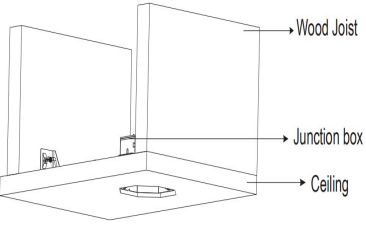
## Light Source

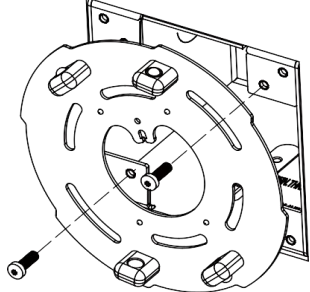
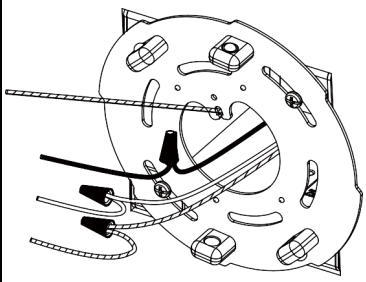
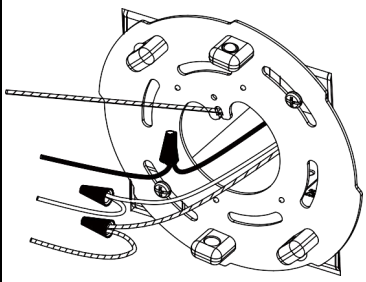
- CREE
- Citizen
- Epistar
- Seoul
- Osram

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# INSTALLATION INSTRUCTIONS

<p><b>Fire Rated Junction Box Installation Instruction</b></p>		
<p>1. Put the Junction Box to the Wood Joist Properly.</p>		
		 <p>→ Wood Joist → Junction box → Ceiling</p>
<p>2. Fix the Hanger Bar to Wood Joist with Rivet.</p>	<p>3. Moving the channels make the junction box to the properly place , then fix channel with screws.</p>	

<p><b>Downlight Installation Instruction</b></p>	
	<p>1. To secure installation bracket of fixture to square housing with screws.</p>
	<p>2. When ready to make the wire connections, first install the Safety Installation Cable from light fixture by pushing into the "key hole" in bracket.</p> <p>3. Make the wire connections with wire nuts . The green(ground wire) of housing to green of fixture, Connect white(neutral wire) to white; black(live wire) to black.</p>
	<p>4. Push and feed all wires up into Junction Box as you raise the fixture up into place with right channel.</p>

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