FJ-BL4-FM55-O
FIRE RATED CEILING LIGHT

Catalog #		Prepared by	
Project		Date	
Notes			

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 steelconstruction, 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.

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 slook 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.

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.

LED LIGHT ENGINE
• LEDs mounted directly to heatsink designed to provide superior thermal management and ensure long life.
• 3CCT range changeablen,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.

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.

3 Year Limited Warranty   **ETL Certificate**   **Damp Location**

Airtight   **IC Rated**   **2 hour fire rated**

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.

*Other special requirements please confirm with our factory.

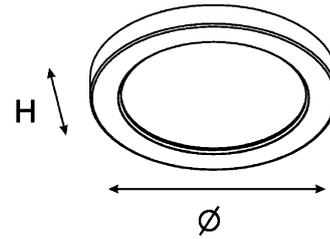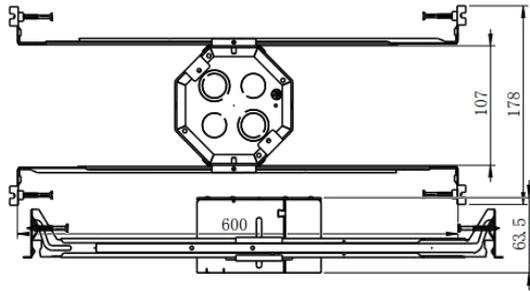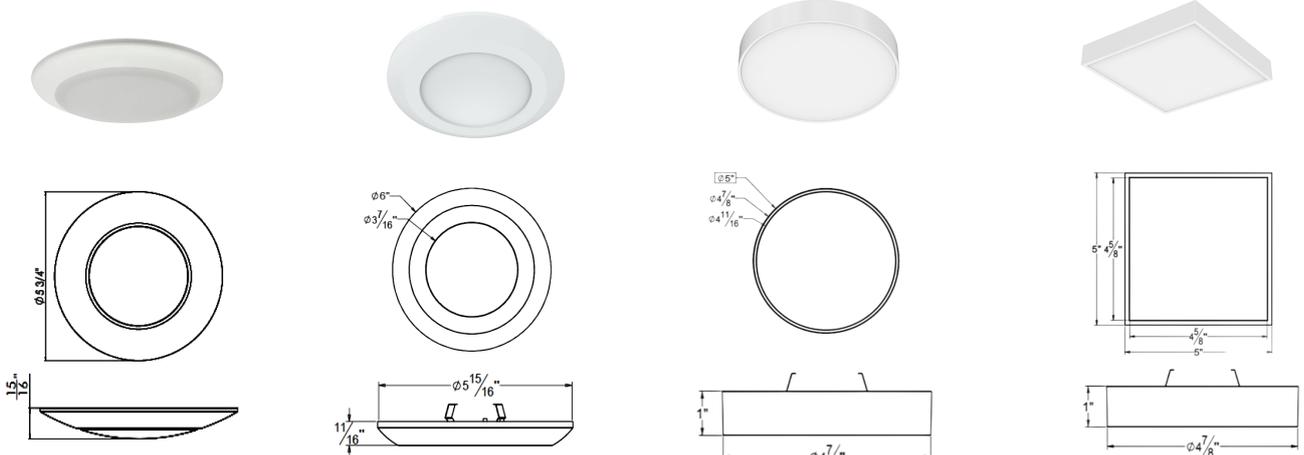## DIMENSIONS

Unit:mm

Ceiling opening 96×96mm hole.

H: 1"   Ø: 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
Input Voltage	120V 60Hz AC	120V 60Hz AC	120V 60Hz AC	120V 60Hz AC
Color Temperature	3000K-6000K	3000K-6000K	3000K-6000K/3CCT	3000K-6000K/3CCT
Wattage	12W/14W	10W/15W	8W/10W/14W	8W/10W/14W
Dimmable	Triac Dimmable	Triac Dimmable	Triac Dimmable	Triac Dimmable
Lumen Output	850lm,/1076 lm	550lm/900lm	550lm/720lm/1230lm	550lm/720lm/1230lm
CRI	80+/90+	80+/90+	80+/90+	80+/90+
LED Available	Cree/Citizen/Epistar	Cree/Citizen/Epistar	Cree/Citizen/Epistar	Cree/Citizen/Epistar
Finish	White/Black	White/Black	White/Black	White/Black
Applications	Dry /Damp locations	Dry /Damp locations	Dry /Damp locations	Dry /Damp locations

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PHOTOMETRICS
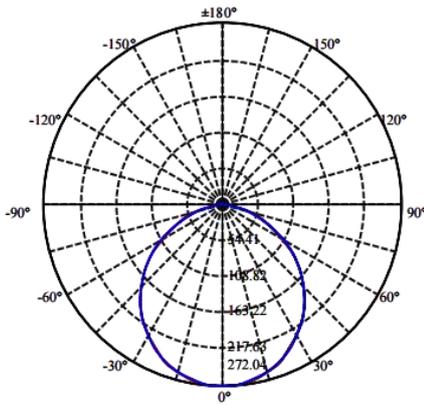
BL4-FM55-30K
CCT:3000K LEDs
input watts: 10.5W
delivered lumens: 721, LM/W = 68.94
test no. LCZP22060184
tested in accordance to LC-I-902 GMS-2000

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	COEFFCIENTS 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
□ FJ-BL4-FM55-O	□ 10.5 |10.5W	□ 120 | 120V	□ 30K | 3000K
□ FJ-BL4-SFM55-O	□ 15 |15W		□ 40K | 4000K
□ FJ-BL6-FM7-O			□ 50K | 5000K
□ FJ-BL6-SFM7-O			□ 60K | 6000K
			□ 3CCT | 3000K,4000K,5000K

Dimmable	Luminous Flux	Finish	CRI
□ Triac | Triac dimming	□ 720lm	□ WH | White	□ 80 | 80+
	□ 1230lm	□ BK | Black	□ 90 | 90+
		□ SN | Satin Nickel	

Light Source
□ CREE
□ Citizen
□ Epistar
□ Seoul
□ Osram

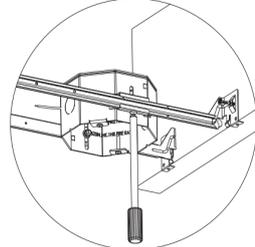*Other special requirements please confirm with our factory

LED CEILING LIGHT

INSTALLATION INSTRUCTIONS

<table>
<tr>
<td rowspan="2">

Fire Rated Junction Box Installation Instruction

</td>
<td colspan="2" align="center">1. Put the Junction Box to the Wood Joist Properly.</td>
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<tr>
<td>2. Fix the Hanger Bar to Wood Joist with Rivet.</td>
<td>3. Moving the channels make the junction box to the properly place , then fix channel with screws.</td>
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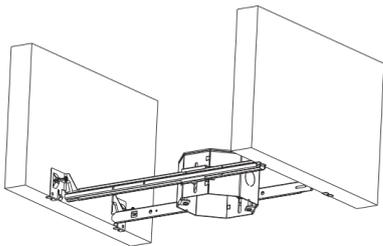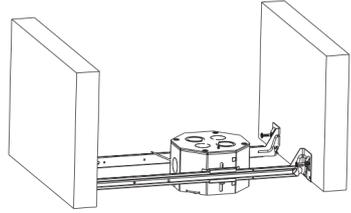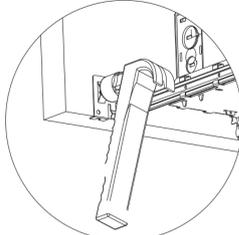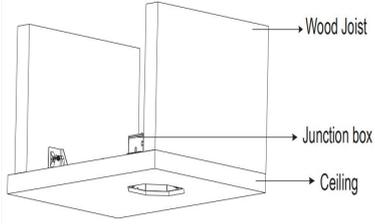
Wood Joist
Junction box
Ceiling

Downlight Installation Instruction

1. To secure installation bracket of fixture to square housing with screws.

slot

steel wire
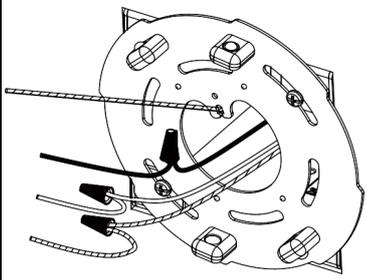
2. When ready to make the wire connections,first install the Safety Installation Cable from light fixture by pushing into the"key hole"in bracket.

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.
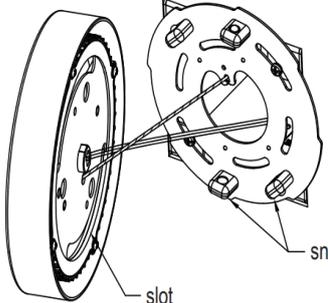
4. Push and feed all wires up into Junction Box as you raise the fixture up into place with right channel.

snap joint

slot

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