

BEL6-AFR

6" Round Fire Rated 360° Rotation Recessed LED

DESCRIPTION

The PRISA Fire Rated series passed fire rated in UL 263 tested comes with a Certified 2-Hour Fire Rating back plate which provides a reinforced and heat resistant casing for up to 2 hours of protection. This unique design and technology has been patented and offers an affordable solution in applications.



FEATURES & BENEFITS

2 Hour Fire Rated Without additional housing or hardware

Installation Dimension Available in all standard 6" round openings

Heat Resistant Casing Provides up to 2 hours fire protection

Heavy Duty Steel Spring Clips for easy installation

Plenum Rated Cable For commercial installations

Connection Box Comes with Junction Box & Driver, No Housing Required.

1/2" Thin Install Directly Under Joists, Maximum Layout Flexibility

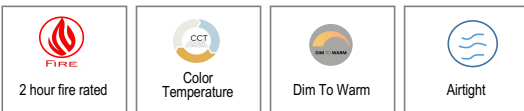
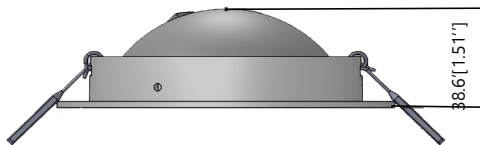
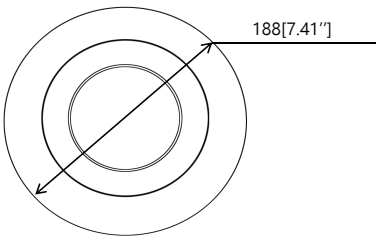
CRI 80+, 90+ True color rendering

CCT 3CCT range changeable, 3000K, 4000K and 5000K

5CCT range changeable, 2700K, 3000K, 3500K, 4000K, 5000K
convenient inventory and cost savings

DIMENSION

Ceiling cut out: 6"



Project:
Location:
Qty:
Notes:

SPECIFICATION	
Applications	Multi-Family Residential, Basements & Commercial
Energy Used	12W, 14 W
Color Temperature (K)	2700K - 3000K - 3500K - 4000K - 5000K-6000K, 3CCT, 5CCT, Warm Dim, Tunable White
Light Output (lm)	1200lm, 1400lm
Halogen Equivalent	87 W
Beam Angle	30°, 60°
CRI	90+
Driver Input	120V AC 50/60 Hz
Dimming	TRIAC Dimmers 10% - 100%
Approved Location	Insulated Ceiling & Damp Locations
Cable	FT6 / CMP Plenum Rated
Air Tight	Yes
Finish	White, Black, Satin Nickel
Ambient Temperature	-4°F (-20°C) to +104°F (+40°C)
Projected Life	70% Light Output at 50,000 Hours
Certification	cETLus, ENERGY STAR
Fire Rating	UL 263-2011(R2022), STM E119-20 & CAN/ULC-S101-14
Warranty	5 Year

LIGHT UNIT:	Trim with powder paint coat preventing discoloring and rusting. Available in several finishes in a variety painted trim options, and available in different colors finishes.
JUNCTION BOX:	The box includes a Commercial Grade Driver designed for 24-hour usage. It is with knockouts located at each end. Wiring compartment allows for (6) 14 gauge (AWG) insulated conductors. Connection to one (1) downstream unit is permitted within the junction box compartment.
INSTALLATION:	LED quickly connector for shallow ceiling installations with no housing required. Installed with Heavy-Duty Commercial Grade Steel spring clip, to withstand excessive heat. The clips allow for easy installation.
WIRING:	Plenum rated cable used to connect light unit and junction box.
OPTICS:	DIRECT or EDGE-lit LED technology uses light guided plate to distribute light. A polycarbonate lens is used to provide even illumination throughout the installation. The recessed design offers an anti-glare feature.
ELECTRICAL:	Easily connected to a 120V power supply via provided UL recognized driver. Dimming down to 10% with most standard LED dimmers (see list of approved dimmers). Ambient operating temperature: -40°C (-40°F) to +40°C (+104°F).
CERTIFICATIONS:	This product is ETL listed in USA & Canada. It has been tested for a 2-HOUR FIRE RATING and complies with ASTM E283/283M-19, UL 263 and certified to UL standard 1598 and CSA standard C22.2#250.0:2021. The PRISA Fire rated series meets the 2-hour rating with most floor-ceiling assemblies including following: UL L505, L511, L536, L538, L541, L556, L577, M500, M510, M521 and M543. Energy start testings passed complies with V2.2 SSL.

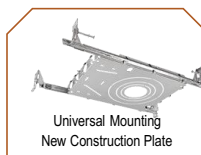
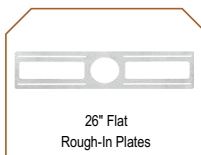
ROTATION



Rotating Lamp Body(360°)

ACCESSORIES

Sold Separately



STRENGTHEN ACCESSORIES

*Other special requirements please confirm with our sales.

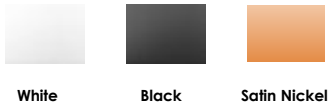


Litcharbor Lighting Technology Co., Ltd.
New Industry Area Hecun Danzao Town
Nanhai Foshan City Guangdong China

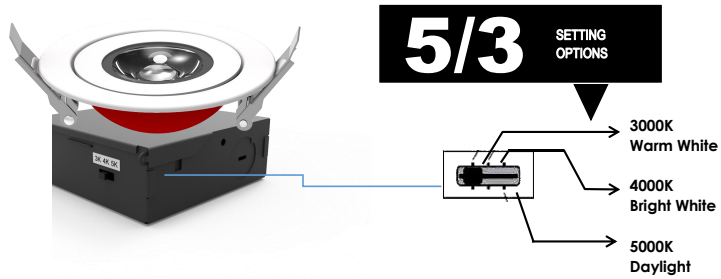
TEL: +86-757-8180 8675
FAX: +86-757-8180 8685
E-mail: info@litcharbor.com

Website: www.litcharbor.com
Specifications subject to change w/o notice
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TRIM COLORS



COLORS SELECTION



ORDERING GUIDE

EX.: BEL6-AFR

(BEL6-AFR-120-9-W-TD...)

MODEL	INPUT VOLTAGE	WATTAGE	BEAMS	DIMMABLE	CRI	FINISH	LUMINOUS FLUX
BEL6-AFR	120 120V AC 50/60 Hz	12 12W/lamp	NW Narrow Flood(30°)	TD Triac dimming	80 CRI 80+	WH White	L1 1200lm
	PoE 24V (PoE Scheme)	14 14W/lamp	W Flood (60°)		90 CRI 90+	BK Black SN Satin Nickel	L2 1400lm

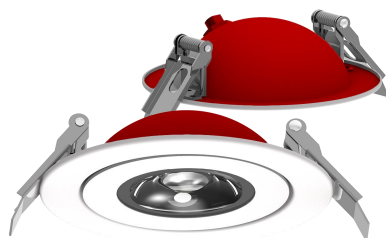
COLOR TEMPERATURES	ACCESSORIES	STRENGTHEN ACCESSORIES
27 2700K	FGP Flanged Plate With Hanger Bars Model	FRC Tenmat Fire Rated Light Cover
30 3000K	FRP 26" Flat Rough-In Plates	FRB IC Fire Rated Box
35 3500K	MPF 13" Mounting Plate Flat	
40 4000K	UMP Universal Mounting New Construction Plate	
50 5000K		
60 6000K		
3CCT 3000K-4000K-5000K		
5CCT 2700K-3000K-3500K-4000K-5000K		
TW Tunable White 2700K-6500K		
WD Warm Dim 1800K-3000K		

FIRE RATED RECESSED LIGHT

WHAT MAKES A DOWNLIGHT FIRE RATED

WHAT ARE FIRED RATED RECESSED LIGHT?

Fire rated downlights are lighting fixtures that have been designed and tested to resist the spread of fire in ceilings or walls. They typically feature a fire-resistant casing or cover, as well as intumescent material that expands when exposed to heat to seal off gaps and prevent flames from spreading. Fire rated downlights are commonly used in commercial and residential buildings to meet fire safety regulations and protect against potential hazards.



Qualified Fire Rated Recessed Light
(It's not Aluminum)
Passed 1500°C Fire Rated Test



Aluminum Alloy Fireproof Trim Panel
on the Market
Melting Temperatures:680 °C

WHAT ARE THE STANDARDS FOR FIRE RATED LIGHTING?

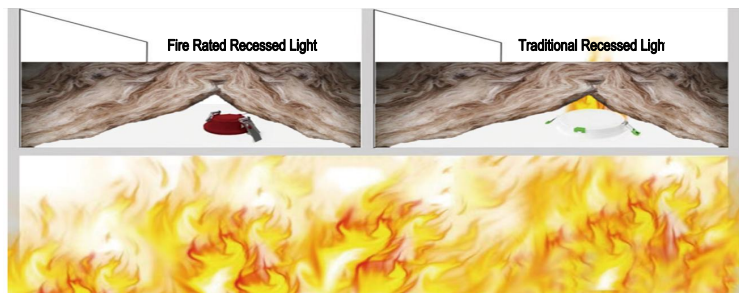
Fire-rated lighting standards typically require that the light fitting maintains its structural integrity and fire resistance for a specified period, usually 30, 60, or 90 minutes, in the event of a fire. The standards also specify the type of materials and construction methods that must be used for the light fitting to meet the required level of fire resistance. Additionally, fire-rated lighting may need to comply with other relevant standards, such as those related to electrical safety and energy efficiency.

HOW TO SPOT FAKE AND SHODDY FIRE RATED RECESSED LIGHT?

One way to spot fake or shoddy fireproof downlights is to look for certification markings from recognized organizations such as UL or ETL, which test and certify products for safety. It's also important to purchase from reputable sellers and avoid suspiciously low-priced items, as these may indicate a lower quality or unsafe product.

Fire rated recessed downlights can close off the ceiling cutout hole and slow down the spread of fire in the event of a fire, compared to traditional downlights. They effectively block the hole cut into the ceiling.

On each downlight they have an Fireproof Cotton is activated at temperatures above 190°C and unidirectional expansion the 5 times soon, to prevent fire and smoke spread to other parts of the building, and ultimately slow the spread of fire. Different fire rated downlights have different fire rated times, varying for 30, 60, 90 and 120 minutes.



*Other special requirements please confirm with our sales.



Liteharbor Lighting Technology Co., Ltd.
New Industry Area Hecun Danzao Town
Nanhai Foshan City Guangdong China

TEL: +86-757-8180 8675
FAX: +86-757-8180 8685
E-mail: info@liteharbor.com

Website: www.liteharbor.com
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