

BL4-301-CFR 4" Fire Rated LED Slim Panel Light

Catalog #		Prepared by	LiteHarbor
Project		Date	
Notes			



FEATURES

- PoE scheme or LED quick connector provided.
- Available in all 4" round openings.
- Retrofit or New Construction.
- 1/2" Thin - Install Directly Under Joists, Maximum Layout Flexibility.
- Comes with Junction Box & Driver, No Housing Required.
- Robust, durable and lightweight.
- 3CCT range changeable, 3000K, 4000K and 5000K, convenient inventory and cost savings.
- No Flickering, noise or RF interference
- Easy to install to suspended ceiling grids
- No UV, IR or Mercury
- Anti-glare

DESCRIPTION

Liteharbor Mars Light series with 2 Hour Fire Resistance to meet and exceed strict fire safety codes with only 1/2" clearance, this ultra thin recessed LED Panel is absolutely perfect for tight spaces, soffits and insulated and dropped ceilings. This LED is 9 watts and replaces a 45 watt halogen. Save up to 80% energy for same light output. The thin Panel profile with spring clips allows for quick and easy installation. Ideal for confined spaces and suitable for damp locations.

MOUNTING

Cut hole in ceiling and snap fixture in opening with attached spring clips. 2" above ceiling clearance required for driver.

APPLICATIONS

- hospitality
- Retail
- Kitchens
- hotels
- Museum
- indoor / outdoor residential,
- offices
- Commercial
- shopping mall stores

LISTING/WARRANTY

- ETL to US and Canadian standards for damp location W/Feed through.
- 3 Year Limited Warranty.

*Other special requirements please confirm with our sales.



2 hour fire rated



Damp Location



Color Temperature



Dim To Warm



IC Rated



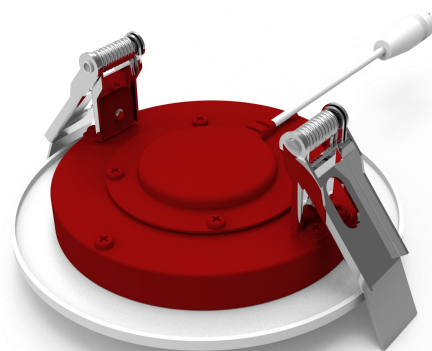
Airtight



3 Year Limited Warranty



ETL Certificate



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

Specifications subject to change w/o notice

Revision: May. 2022



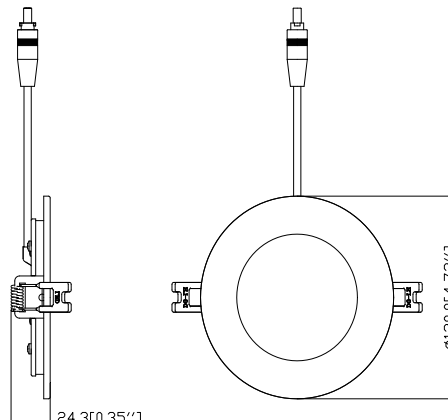
PANEL LIGHT

SPECIFICATION

DESCRIPTION	BL4-301-CFR	BL4-301A-CFR	BL4-301B-CFR
Wattage	9W	9W	9W
Luminosity	900lm	900lm	900lm
Luminous Flux	700lm	700lm	700lm
Lumens / Watt	100lm/w	100lm/w	100lm/w
CRI	90+	90+	90+
Colour Temperature	3000K, 4000K, 6500K/3CCT(3000K-4000K-5000K)	3000K, 4000K, 6500K/3CCT(3000K-4000K-5000K)	3000K, 4000K, 6500K/3CCT(3000K-4000K-5000K)
Driver Input	120V AC or 120V-277V AC 50/60 Hz	24V	24V
Power Factor	0.98	-	-
Dimming	TRIAC Dimmers 10%-100% (120V only)	RGB+W / Tunable White	RGB+W / Tunable White
Location	Insulated Ceiling & Damp Locations	Insulated Ceiling & Damp Locations	Insulated Ceiling & Damp Locations
Finish	White,Black,Satin Nickel	White,Black,Satin Nickel	White,Black,Satin Nickel
Dimensions	Ø 4.72"* H 0.35"	Ø 4.72"* H 1.10"	Ø 4.72"* H 1.10"
Wire	FT4/FT6	Cat5/Cat6	Cat5/Cat6
Working Temperature	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C
Working Humidity	10% – 70%	10% – 70%	10% – 70%
IP Rating	20	20	20
Input Current	0.7A	-	-
Output Current	360mA	-	-
Power Efficiency	>90%	>90%	>90%
UGR	<18	<18	<18
Beam Angle	120°	120°	120°
THD	<20%	<20%	<20%
Installation	Recessed Ceiling Mount	Recessed Ceiling Mount	Recessed Ceiling Mount
Lifespan	50,000 Hours at 70% Light Output	50,000 Hours at 70% Light Output	50,000 Hours at 70% Light Output
Executive Standard	ETL/ENERGY STAR	ETL/ENERGY STAR	ETL/ENERGY STAR
Warranty	3 Year Limited for Fixture & Driver	3 Year Limited for Fixture & Driver	3 Year Limited for Fixture & Driver

DIMENSIONS

Ceiling cut out: 4"



*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

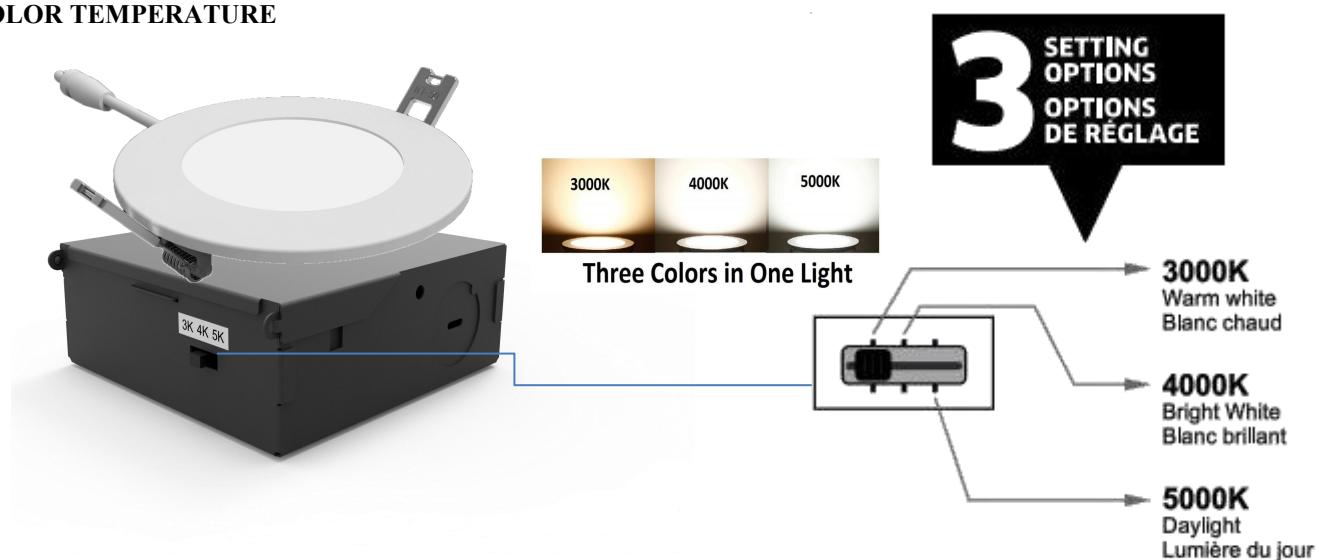
E-mail: info@liteharbor.com

Website: www.liteharbor.com

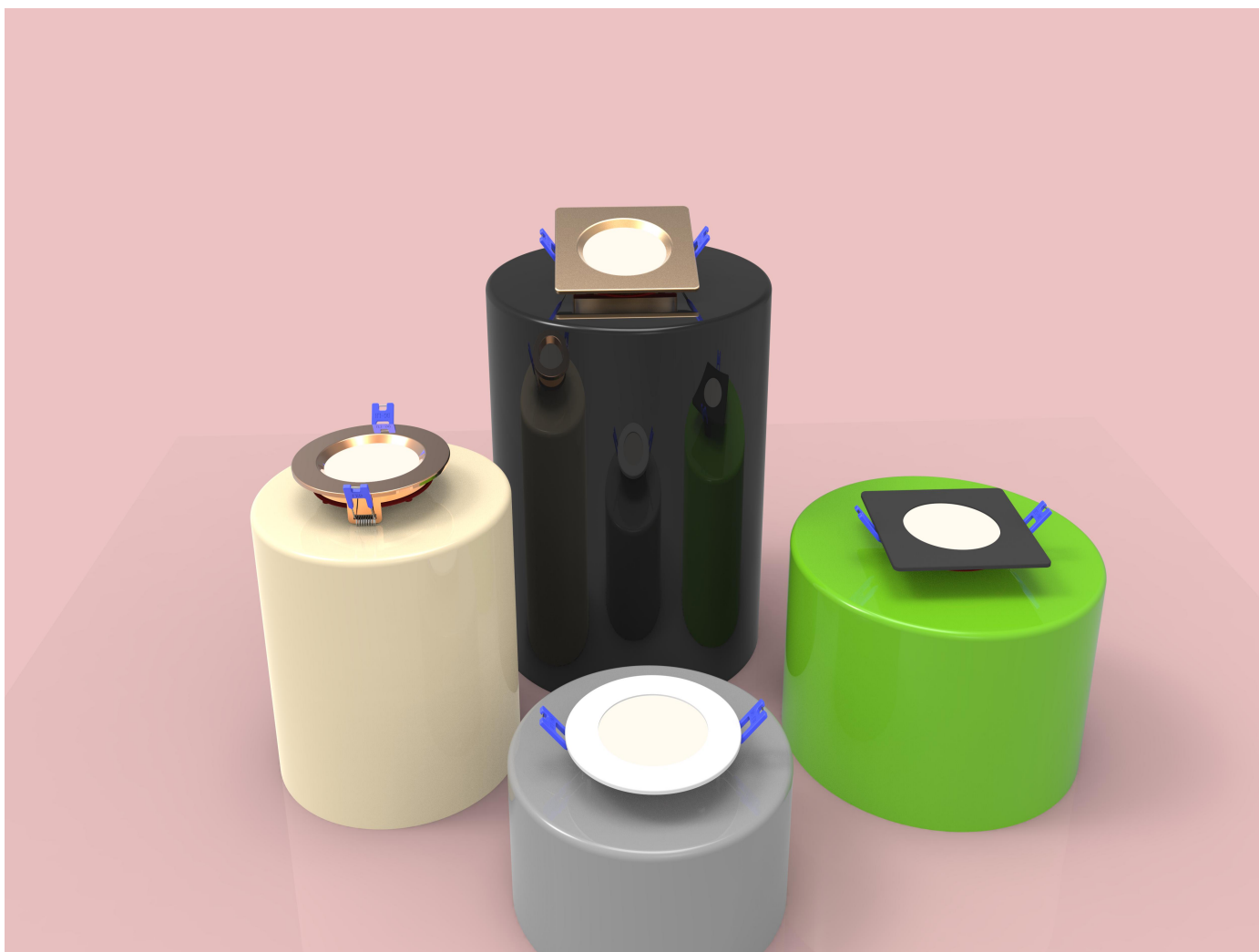
Specifications subject to change w/o notice

Revision: May, 2022

COLOR TEMPERATURE



MARS LIGHT SERIES



PANEL LIGHT

*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

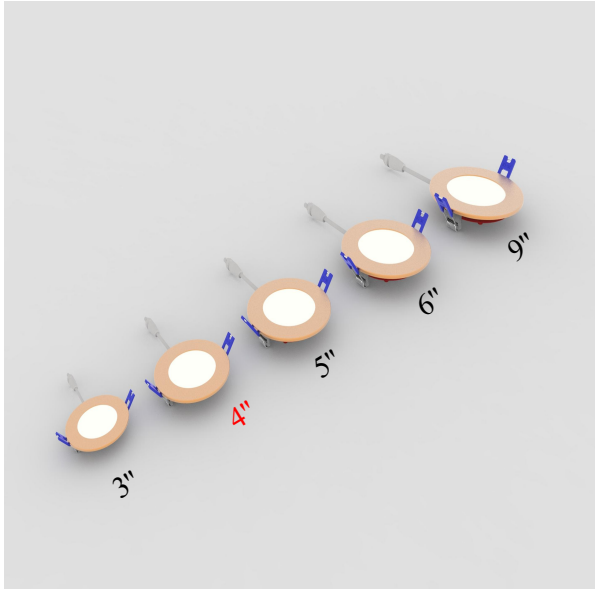
E-mail: info@liteharbor.com

Website: www.liteharbor.com

Specifications subject to change w/o notice

Revision: May, 2022

BLX-301X-F SERIES



Other size coming soon

Item	Description	Lumen
BL4-301-CFR	120V/120V-277V, Triac/0-10V Dim, 9W MAX	700lm
BL4-301A-CFR	POE Single connection hole 24V, 9W MAX	700lm
BL4-301B-CFR	POE Double connection hole 24V, 9W MAX	700lm

ORDERING GUIDE

Mars light Series	Mounting	Wattage	Color Temperature
☐ BL4-301-CFR	☐ R Remodel	☐ 6 6W/lamp	☐ 30K 3000K
☐ BL4-301A-CFR	☐ NC New Construction	☐ 9 9W/lamp	☐ 40K 4000K
☐ BL4-301B-CFR			☐ 50K 5000K
			☐ 65K 65000K
			☐ DW Dim to Warm
			☐ TW Tunable White

Input Voltage	Dimmable	Luminous Flux	Finish
☐ 120 120V	☐ Triac Triac dimming	☐ 460lm	☐ WH White
☐ U 120V-277V	☐ 0-10V 0-10V dimming	☐ 700lm	☐ BK Black
☐ PoE 24V (PoE Scheme)			☐ SN Satin Nickel

Cable	CRI	Light Source	Install Accessories
☐ C4 FT4	☐ 90 90+	☐ CREE	☐ Ceiling Tapper
☐ C6 FT6		☐ Citizen	☐ Ethernet Cable
☐ CT5 Cat5		☐ Epistar	☐ RJ45 Connectors
☐ CT6 Cat8		☐ Seoul	☐ RJ45 Crimp Tool Kit
		☐ Osram	

*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

Specifications subject to change w/o notice

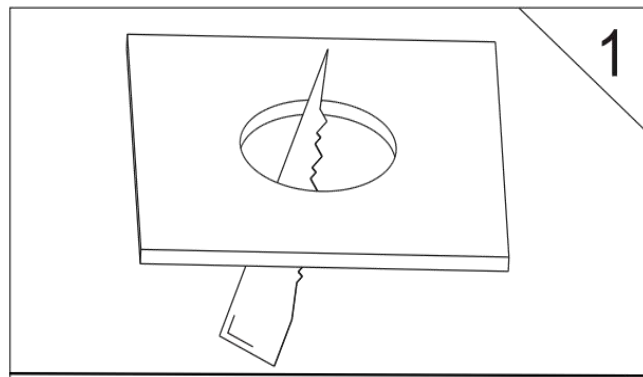
Revision: May, 2022



PANEL LIGHT

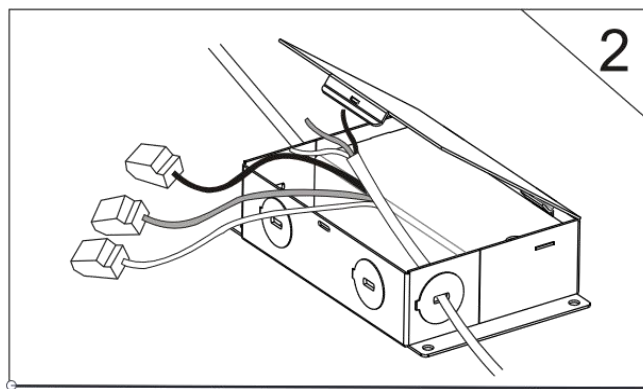
BLX-301-CFR INSTALLATION INSTRUCTIONS

1. Turn power OFF from the electrical panel prior to installation.
2. Determine the location for installation and cut ceiling hole in accordance with cut-hole dimensions. Refer to *Hole Diameter* table for appropriate sizes. (Fig. 1)

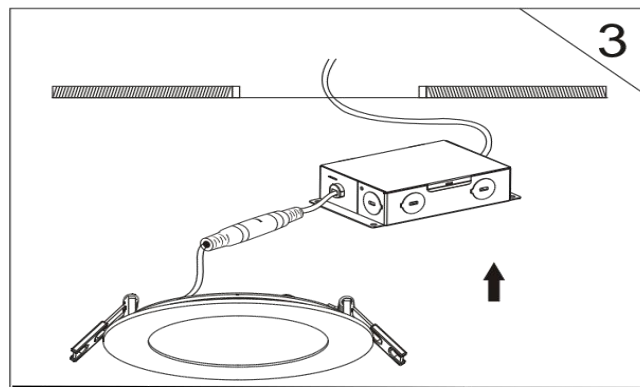


ROUND	Hole Size	SQUARE	Hole Size
Φ4.25"	4"	4.25"*4.25"	4"*4"

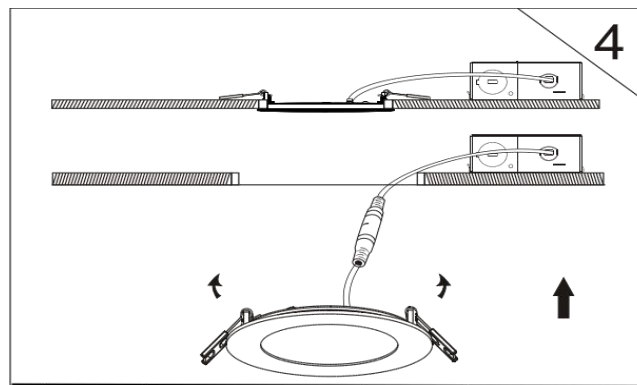
3. Open the junction box cover and remove the appropriate knockout(s) on the side panel. (Fig. 2)
4. Insert the electrical supply cable through the knockout and secure with a cable connector (sold separately).
5. Using quick-connect push-in terminals, connect the ground wire to the green wire terminal; black wire to black wire terminal; white wire to white wire terminal. (Fig. 2)



6. Place all wiring and connections back in to the box and close the cover. Connect the driver to the light panel.
7. Insert junction box through the mounting hole. (Fig. 3)



8. Push spring-loaded clips on the fixture upwards and insert fixture base in to the mounting hole. Release the clips and fixture will be pulled flush to the ceiling. (Fig. 4)



*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

Specifications subject to change w/o notice

Revision: May. 2022