

LiteBox RF1 High Density LED Array

PERFORMANCE AND WARRANTY

Power Input	230V – 240V ~ 50Hz
Dimensions (L x W x H)	To suit 600mm x 600mm light fixture
Power Options	200W
Max Output	EF: 23,800lm UT: 25,600lm
Efficacy (subject to lens)	EF: 119lm/W UT: 128lm/W
Colour Temperature Options	3,000k / 4,000k / 5,000k / 6,000k
Ra Options	75 / 85 / 95
LED Driver IP Rating	IP67
Luminaire IP Rating	IP30
Power Factor Correction	Active PFC ~ Typical @ 230V 0.99
UT Warranty	5 Years L70
EF Warranty	5 Years L85
UT Lifetime @ Ta 25°C	L70 > 65,000hrs
EF Lifetime @ Ta 25°C	L85 > 125,000hrs

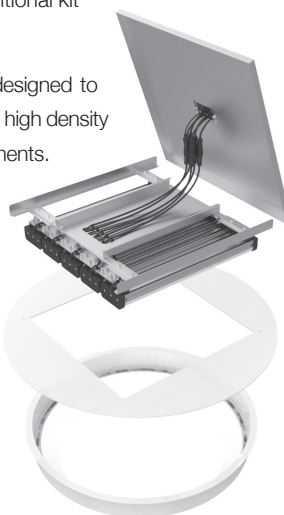
BLS Drivers are supplied 1–10 dimming capable as standard. Dimming controls not included.

The LiteBox RF1 is designed as a retrofit LED lighting solution for “in-ceiling” 400W MH clean room light fixtures. The product is designed to suit standard square and older circular (additional kit required) light fixtures as a simple one size fits all solution.

To fit the LiteBox RF1 to a round fixture, BLS® supplies an alternative bracket designed to support the LED array and driver on top of a laser cut rigid laminated aluminium and high density plastic white reflector. The reflector is ordered to suit the luminaire and site requirements. The remaining components are included with the basic package.

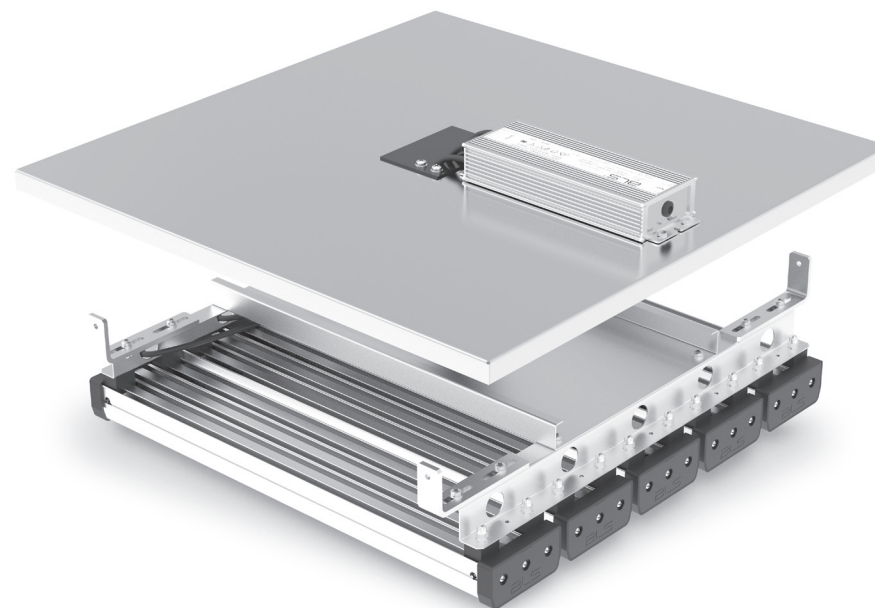
All fixtures are supplied with an SAA approved fly lead (1.4m long) via an IP68 barrel connection. The barrel connection allows alternative methods of connection including fixed wiring to socket.

Thank you for selecting the BLS® LiteBox RF1 as your LED solution. At BLS® we are dedicated to ensuring that our products provide years of maintenance free, reliable full spectrum light across a range of standard colour temperatures. All BLS® products are designed and specified in New Zealand and designed for both new build and retrofit applications.



BLS®

LiteBox RF1 High Density LED Array



The LiteBox RF1 LED High Bay kit from BLS® is designed as a retrofit LED solution for all standard “in-ceiling” clean room light fixtures commonly found in meat works and food processing facilities.

IMPORTANT:

This product is only suitable for installation by a qualified electrical contractor. For information regarding this product or if you have any questions relating to its use, please contact BLS® before attempting to install the product.

Business Lighting Solutions Ltd.

79 St Georges Bay Road, Parnell, Auckland 1052. PO Box 60 360, Titirangi, Auckland 0642, New Zealand.

www.bls.co.nz

BLS-LBX-RF1-INS-0615-1

LiteBox RF1 High Density LED Array

PRODUCT CODES

LBX-RF1	-	XX	-	XX	-	XXXX	-	XXXW	-	DM
LiteBox RF1		LED		Ra		Temp °K		Power (W)		Type
		EF		75		3,000		200W		
		UT		85		4,000				
				95		5,000				
						6,000				

BLS Drivers are supplied 1-10 dimming capable as standard.
Dimming controls not included.

INSTALLATION INSTRUCTIONS

IMPORTANT READ BEFORE INSTALLING:

It is the installers responsibility to ensure the hanging point is suitable for the load.

IN THE BOX:

- BLS® LiteBox RF1 High Density LED Array
- Brackets and fixture lid
- SAA Approved 1.4m fly Lead and plug
- Wired connections

INSTRUCTIONS:

- Examine the existing light fitting, if it is a square fixture approximately 600mm x 600mm the standard kit will provide all the parts required. If it is a circular fitting check to see if the optional circular reflector kit is required. (Dependent upon size of opening)
- Disconnect original fitting from mains, remove the existing cover and interior parts that may hinder placement or position (see images attached) of the BLS® LED LiteBox. Position the LED array in close proximity to the lens (best performance) or at away from the lens (best aesthetic appearance) and fix using the corner brackets provided.
- Many light fixtures have an interior tempered glass sheet, this can be left in situ but for best performance it is advisable to remove the glass to maximise light output. Place and if necessary reconnect LED arrays to driver, place lid in position shown (Ensure the driver is on the OUTSIDE of the fitting. Placing the driver inside places unnecessary thermal stress on the driver and voids warranty).
- It is the electrical contractors responsibility to ensure that the installation is in line with requirements. Connect to mains power via a plug or junction box in accordance with AS/NZS 3000 Phase (White or Brown), Neutral (Black or Blue) and earth (Green or Green and Yellow). Energise circuit and check operation of light.
- If there are any issues relating to the use or application of this product as a retrofit solution, contact BLS® directly BEFORE attempting to install the product.

