

BS101LRE

RETROFIT KIT

Delivered Lumens:
3983 lm - 6547 lm

Input Wattage:
30W - 50W

Efficacy:
Up to 139 lm/W

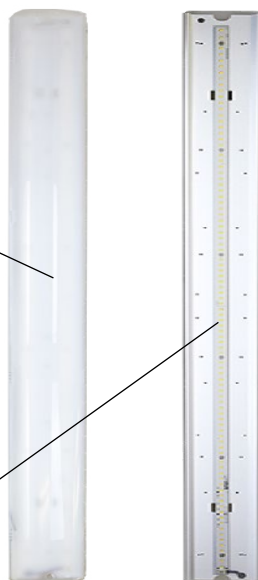
Colour Temperatures:
3000K, 3500K, 5000K

Projected Lumen Maintenance:
L₈₀ @ >54,000 hrs.

A quick LED upgrade system for your existing fluorescent BS111 & BS101 units.

The UV stabilized polycarbonate diffuser eliminates glare and is integrated with crystals that assist in the enhancement of even light distribution

Electrical assembly holds the LED modules and power supply



Type: _____

Project: _____



Back of electrical assembly includes LED power supply and hot-load disconnect



Fully assembled product

Configurations

MODEL	LENGTH	OPERATION	POWER	COLOUR TEMP	INPUT	OPTIONS
BS101LRE	4 (4ft)	[BLANK] (AC only)	LO	3K (3000K)	S (120-277V)	¹ IOS02 (microwave, internal, step-dimming, 120-347V (26' MH)
			HO	35K (3500K)	C (347V)	90 (90+ CRI)
				5K (5000K)		SS (stainless steel clips)
						² TP (4 tamper proof screws)

NOTE¹: Microwave occupancy sensors; **NOTE²:** Voids IP rating and sanitation listing.

Compatible Sensor Table

ORDERING GUIDE	BRAND	MODEL
IOS02	Merrytek	MC083S-RC

Compatible sensors can be ordered as options but will be shipped separately. Sensor brand is manufacturer's choice unless otherwise noted. If a compatible brand / type sensor is required please call for price. Externally mounted sensors will be shipped separately.

DLC ID Table

MODEL	DLC ID	MODEL	DLC ID
BS101LRE-4H3K	P7PA3YXH	BS101LRE-4L3K	P3WR0M7V
BS101LRE-4H35K	PYQFQ5IG	BS101LRE-4L35K	PCHQYLCG
BS101LRE-4H5K	PT5SQ09M	BS101LRE-4L5K	P737M9Q4

RETROFIT KIT:

A quick upgrade system for your existing fluorescent BS111 & BS101 units. Designed to easily snap into the existing BS111 & BS101 housing. Engineered to save you time and labour. Includes the polycarbonate diffuser, the steel reflector, LED modules and driver.

AC POWER CONNECTION:

3-wire, 18awg, pre-stripped 12" leads for quick in-field connection and hot load disconnect feature.

WEIGHT:

4.8 lbs. / 2.18 kilo.

REFLECTOR:

Flat, steel reflector system finished in durable white powder coat. The reflector system holds all electrical components.

HOUSING:

UV stabilized polycarbonate, liquid silicone perimeter gasket with memory retention.

DIFFUSER:

Frosted UV stabilized polycarbonate diffuser, eliminates glare and provides even distribution.

ELECTRICAL:

Available in 3000K, 3500K, 5000K colour temperatures. High efficiency driver operates 120V through 277V or 347V, 50-60HZ. L85 up to 54,000 hours.

MOUNTING:

Surface mount configuration is standard with integrated stainless steel mounting brackets. Additional mounting systems are chain and direct to junction box configurations.

DIMMING:

0 - 10V dimming down to 1% is standard.

OPERATING TEMPERATURE:

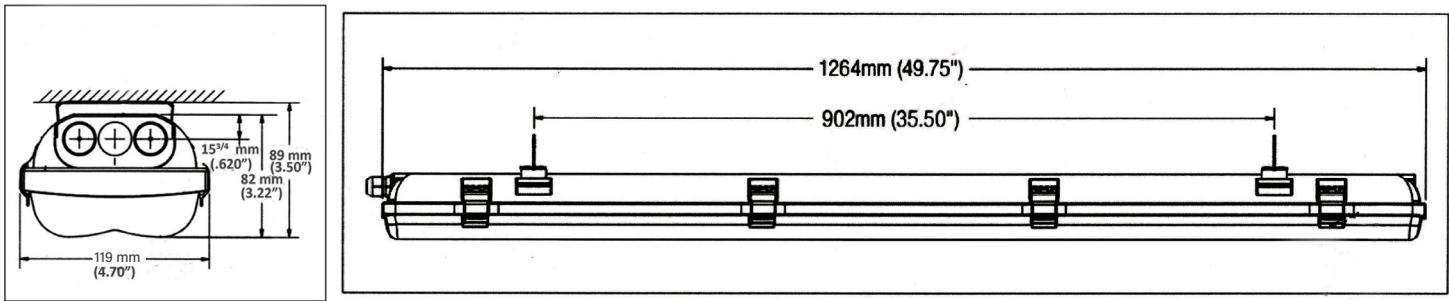
AC only: -40°C to 40°C

WARRANTY:

5 year LED warranty, see website for full warranty details.

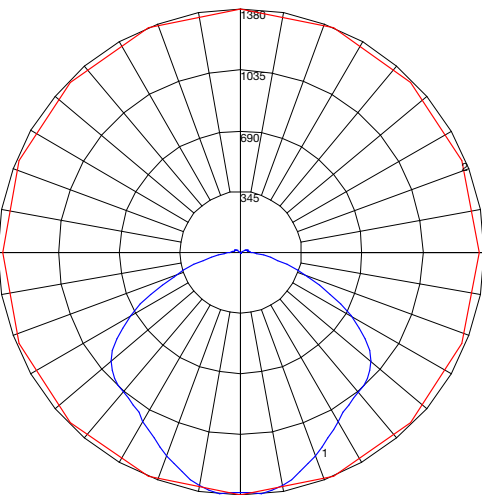
BS101LRE

Dimensions



BS101LRE-4L-5K

Luminous Intensity Distribution



Zonal Lumen Summary

ZONE	LUMENS	% LUMINAIRE
0-30	1049	25%
0-40	1717	40%
0-60	3154	74%
60-80	872	21%
0-180	4249	100%

Energy Chart

MODEL	LENGTH	COLOUR	EFFICACY	WATTAGE	LUMEN OUTPUT	CRI	REPORTED L85' (HOURS)
BS101LRE-4L-3K	4ft	3000K	130 lm/W	30	3983	80+	>54,000
BS101LRE-4L-35K	4ft	3500K	134 lm/W	30	4107	80+	>54,000
BS101LRE-4L-5K	4ft	5000K	139 lm/W	30	4250	80+	>54,000
BS101LRE-4H-3K	4ft	3000K	123 lm/W	50	6136	80+	>54,000
BS101LRE-4H-35K	4ft	3500K	127 lm/W	50	6326	80+	>54,000
BS101LRE-4H-5K	4ft	5000K	131 lm/W	50	6547	80+	>54,000

NOTES: Actual performance may vary between +/-5% of initial lumen output NOTE¹: Calculated as per TM-21-11. Limited by 6X LM80 test duration.

PHOTOMETRIC DATA