

BS100LR

RETROFIT KIT

Type: _____

Project: _____

Delivered Lumens:
3958 lm - 8819 lm

Input Wattage:
30W - 62W

Efficacy:
Up to 165 lm/W

Colour Temperatures:
3000K, 3500K, 4000K, 5000K

Projected Lumen Maintenance:
L₈₅ @ >54,000 hrs.

A quick LED upgrade system for your existing fluorescent BS100 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



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



Fully assembled product

Configurations

MODEL	LENGTH	OPERATION	POWER	COLOUR TEMP	INPUT	OPTIONS
BS100LR	4 (4ft)	[BLANK] (AC only)	VL (4221 lm)	² 3K (3 000K)	S (120-277V)	SS (stainless steel clips)
		¹ SA (EM backup)	L (6596 lm)	35K (3 500K)	C (347V)	⁴ IOS01 (microwave, internal, on/off 120-277V (15' MH)
			M (7205 lm)	4K (4 000K)		⁴ IOS02 (microwave, internal, step-dimming, 120-347V (26' MH)
			H (8819 lm)	5K (5 000K)		90 (90+ CRI)
						¹ FP (fuse protection)
						³ TP (4 tamper proof screws)
						SP (10kA surge protection)
						D (DALI driver)

NOTE¹: SA and FP are not available in 347V; **NOTE²:** longer lead time may apply, contact factory; **NOTE³:** Voids IP rating and sanitation listing; **NOTE⁴:** Microwave occupancy sensor; **NOTE⁵:** Refer to Energy Chart for all LM output.

Compatible Sensor Table

ORDERING GUIDE	BRAND	MODEL
IOS01	Merrytek	MC613C-D-RC
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
BS100LR-4H3K	PMYX5L70	BS100LR-4M3K	PJZ62M3D
BS100LR-4H35K	PQT8R77X	BS100LR-4M35K	P34XDMZZ
BS100LR-4H4K	PUAIRN0K	BS100LR-4M4K	P2BUU2IM
BS100LR-4H5K	PHE6KTPC	BS100LR-4M5K	P7C27C34
BS100LR-4L3K	P14L5J0J	BS100LR-4VL3K	PD6R4UPS
BS100LR-4L35K	PV59B2KM	BS100LR-4VL35K	PFFPUE3W
BS100LR-4L4K	P9SAB6PQ	BS100LR-4VL4K	PMLLQDI3
BS100LR-4L5K	PXC14XYS	BS100LR-4VL5K	PYYK1PLP

BS100LR

RETROFIT KIT:

A quick upgrade system for your existing fluorescent BS100 units. Designed to easily snap into the existing BS100 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:

5.4 lbs. / 2.5 kilo.

REFLECTOR:

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

DIFFUSER:

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

ELECTRICAL:

Available in 3000K, 3500K, 4000K or 5000K colour temperatures. High efficiency driver operates 120V through 277V or 347V, 50-60HZ. L85 up to 54,000 hours.

DIMMING:

0 - 10V dimming down to 1% is standard. Optional DALI driver is available.

EMERGENCY BACKUP (SA):

Emergency backup with Ni-Cd batteries provides 1135 lumens for 90 minutes.

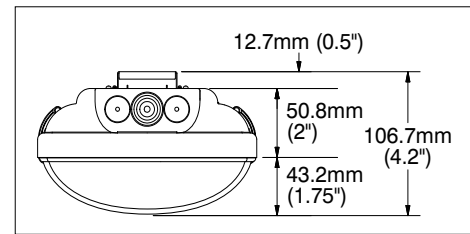
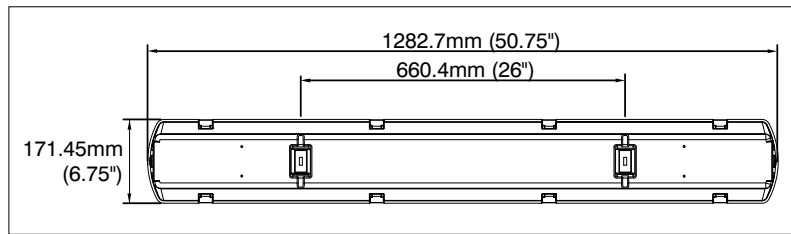
OPERATING TEMPERATURE:

AC only: -40°C to 40°C
SA: 0°C to 40°C

WARRANTY:

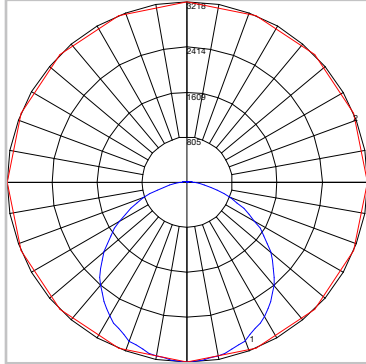
5 year LED warranty, see website for full warranty details.

Dimensions



BS100LR-4H-5K

Luminous Intensity Distribution



Zonal Lumen Summary

ZONE	LUMENS	% LUMINAIRE
0-30	2431	28%
0-90	8678	98%
60-80	1560	18%
90-180	144	1%
0-180	8822	100%

Energy Chart

MODEL	LENGTH	COLOUR	EFFICACY	WATTAGE	LUMEN OUTPUT	CRI	REPORTED L85' (HOURS)
BS100LR-4VL-3K	4ft	3000K	143 lm/W	30	3958	80+	>54,000
BS100LR-4VL-35K	4ft	3500K	148 lm/W	30	4081	80+	>54,000
BS100LR-4VL-4K	4ft	4000K	151 lm/W	30	4169	80+	>54,000
BS100LR-4VL-5K	4ft	5000K	153 lm/W	30	4221	80+	>54,000
BS100LR-4L-3K	4ft	3000K	155 lm/W	40	6185	80+	>54,000
BS100LR-4L-35K	4ft	3500K	159 lm/W	40	6378	80+	>54,000
BS100LR-4L-4K	4ft	4000K	163 lm/W	40	6515	80+	>54,000
BS100LR-4L-5K	4ft	5000K	165 lm/W	40	6596	80+	>54,000
BS100LR-4M-3K	4ft	3000K	139 lm/W	50	6756	80+	>54,000
BS100LR-4M-35K	4ft	3500K	143 lm/W	50	6967	80+	>54,000
BS100LR-4M-4K	4ft	4000K	146 lm/W	50	7117	80+	>54,000
BS100LR-4M-5K	4ft	5000K	148 lm/W	50	7205	80+	>54,000
BS100LR-4H-3K	4ft	3000K	134 lm/W	62	8269	80+	>54,000
BS100LR-4H-35K	4ft	3500K	138 lm/W	62	8527	80+	>54,000
BS100LR-4H-4K	4ft	4000K	141 lm/W	62	8711	80+	>54,000
BS100LR-4H-5K	4ft	5000K	142 lm/W	62	8819	80+	>54,000

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

BS100LR

