

BS100LR 3CCT

VAPOUR TIGHT RETROFIT KIT
3CCT AND 3 POWER SELECTABLE

Type: _____

Project: _____

Delivered Lumens:
4177 lm - 7957 lm

CRI:
90+

Input Wattage:
30W - 60W

Efficacy:
Up to 148 lm/W

Colour Temperatures:
3CCT: 3500K/4000K/
5000K

**Projected Lumen
Maintenance:**
L₇₀ @ > 54000 hrs.

A quick LED upgrade system for your existing fluorescent BS100 and BS100L single CCT/power 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, hot-load disconnect, 3CCT and 3 power selections



Fully assembled product

Configurations

MODEL	LENGTH	OPERATION	POWER	COLOUR TEMP	INPUT	OPTIONS
BS100LR	4 (4ft)	[BLANK] (AC only)	PS Selectable: L(30W), M(45W), H(60W)	3C (Selectable - 3500K/4000K/5000K)	M (120-347V)	SS (stainless steel clips)
		^{1,2} SA (EM backup)			A (120V)	⁴ IOS01 (microwave, internal, on/off 120-277V (15' MH)
					B (277V)	⁴ IOS02 (microwave, internal, step-dimming, 120-347V(26' MH)
					C (347V)	¹ FP (Fuse protection)
					S (120-277V)	³ TP (4 tamper-proof screws)
						⁶ SP (10kA surge protection)
						90 (90+ CRI - standard option)
						⁵ [BLANK] (80+ CRI)

DEFAULT PROGRAMMING: 60W / 4000K; **NOTE¹:** SA and FP are not available in 347V; **NOTE²:** SA (EM backup) & EM is only available in 5000K CCT; **NOTE³:** voids IP rating; **NOTE⁴:** microwave occupancy sensor; **NOTE⁵:** Longer lead time, consult factory; **NOTE⁶:** SP only available with 120V, 277V, 347V & 120-277V

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.

Pre-Built Inventory

ORDERING CODE	SHORT DESCRIPTION	LONG DESCRIPTION
10001257	BS100LR-4-PS-3C-M-90	BS100LR LED 3CCT 3PS SERIES VAPOUR TIGHT IP66 RATED RETRO FIT KIT AC ONLY 4FT 3POWER AND 3COLOUR SELECTABLE 120277347V INPUT 90+CRI

DLC ID Table

MODEL NUMBER	RETROFIT KITS FOR LOW-BAY LUMINAIRES FOR COMMERCIAL AND INDUSTRIAL BUILDINGS	RETROFIT KITS FOR DIRECT LINEAR AMBIENT LUMINAIRES
BS100LR-4-PS-3C-M-90	¹ S-FM6LK6	² S-HBGN23

NOTE¹: DLC Premium; **NOTE²:** DLC Standard.

BS100LR 3CCT 3PS

RETROFIT KIT:

A quick upgrade system for your existing fluorescent BS100 & BS100L single CCT/power units. Designed to easily snap into the existing BS100 & BS100L single CCT/power 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 3500K, 4000K or 5000K colour selectable temperatures. CRI 90+. High efficiency driver operates 120V through 347V, 50-60HZ. L70 up to 54,000 hours.

DIMMING:

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

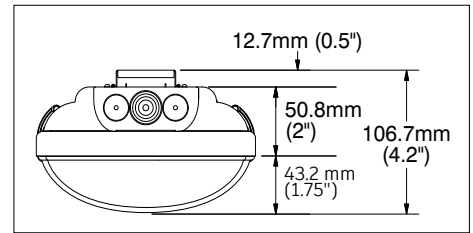
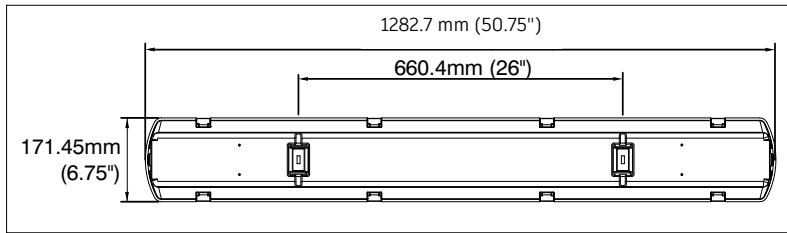
OPERATING TEMPERATURE:

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

WARRANTY:

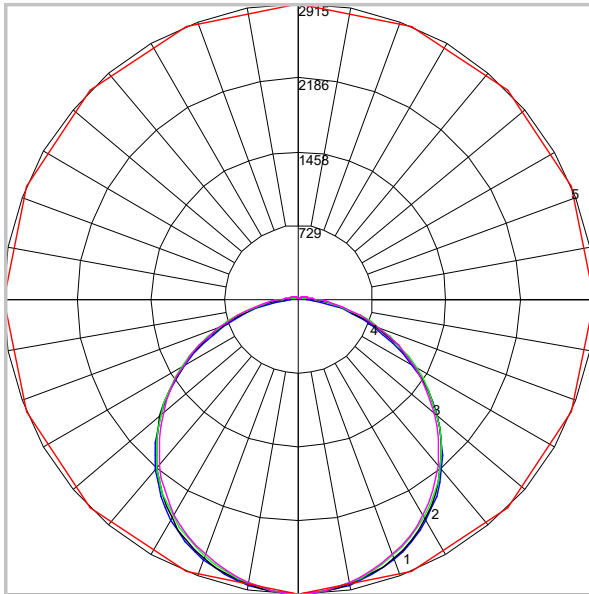
5 year LED warranty, see website for full warranty details.

Dimensions



BS100LR-4-PS-3C-M-90

Luminous Intensity Distribution



Zonal Lumen Summary

ZONE	LUMENS	% LUMINAIRE
0 - 20	1064	12%
0 - 30	2267	26%
0 - 40	3731	42%
0 - 60	6644	75%
0 - 80	8364	94%
0 - 90	8643	97%
10 - 90	8368	94%
20 - 40	2667	30%
20 - 50	4193	47%
40 - 70	3983	45%
60 - 80	1720	19%
70 - 80	650	7%
80 - 90	279	3%
90 - 110	177	2%
90 - 120	212	2%
90 - 130	230	3%
90 - 150	246	3%
90 - 180	254	3%
110 - 180	77	1%
0 - 180	8897	100%

Energy Chart

MODEL	LENGTH	COLOUR	EFFICACY	WATTAGE	LUMEN OUTPUT	CRI	REPORTED L70(HOURS)
BS100LR-4-PS-3C-M-90	4FT	3500K	139 lm/W	30W	4177	90+	>54000
BS100LR-4-PS-3C-M-90	4FT	4000K	148 lm/W	30W	4467	90+	>54000
BS100LR-4-PS-3C-M-90	4FT	5000K	143 lm/W	30W	4307	90+	>54000
BS100LR-4-PS-3C-M-90	4FT	3500K	135 lm/W	45W	6250	90+	>54000
BS100LR-4-PS-3C-M-90	4FT	4000K	144 lm/W	45W	6684	90+	>54000
BS100LR-4-PS-3C-M-90	4FT	5000K	139 lm/W	45W	6444	90+	>54000
BS100LR-4-PS-3C-M-90	4FT	3500K	130 lm/W	60W	7440	90+	>54000
BS100LR-4-PS-3C-M-90	4FT	4000K	139 lm/W	60W	7957	90+	>54000
BS100LR-4-PS-3C-M-90	4FT	5000K	134 lm/W	60W	7672	90+	>54000

NOTE: Actual performance may vary between +/-5% of initial lumen output

BS100LR 3CCT 3PS

PHOTOMETRIC DATA

