

BS100L

INDUSTRIAL

Type: _____

Project: _____

Delivered Lumens:
3958 lm - 8819 lm

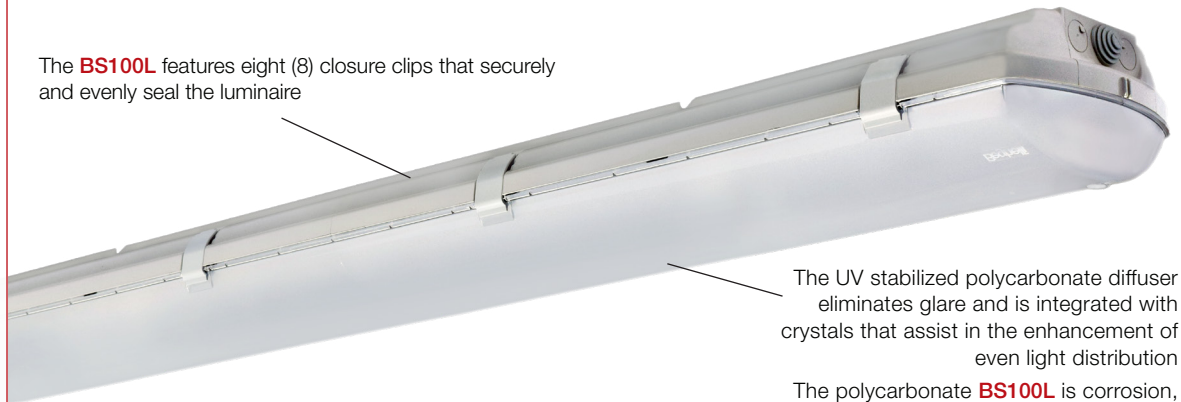
Input Wattage:
30W - 70W

Efficacy:
Up to 165 lm/W

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

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

The **BS100L** features eight (8) closure clips that securely and evenly seal the luminaire



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

The polycarbonate **BS100L** is corrosion, flame and vandal resistant

Unique three piece design that allows effortless assembly without any tools

The **BS100L** is ideal for installation in parking garages, warehouses, breezeways, canopies, schools and much more.

Configurations

MODEL-	LENGTH	OPERATION	POWER	COLOUR TEMP-	INPUT-	MOUNTING-	OPTIONS
BS100L	4 (4ft)	[BLANK] (AC only)	VL (3958 lm)	3K ² (3000K)	S (120-277V)	[BLANK] (surface mount - std.)	SS (stainless steel clips)
BS100LR ¹		SA ¹ (EM backup)	L (6185 lm)	35K (3500K)	C (347V)	[BLANK] (chain hang kit - std.)	IOS01 (internal 120-277V microwave on/off sensor)
			M (6756 lm)	4K (4000K)		AC ³ (aviation cable)	IOS02 (internal 120-347V microwave step dimming sensor)
			H (8819 lm)	5K (5000K)		SPK ⁴ (single pendant kit)	IOS03 (internal 120-277V step dimming microwave sensor)
						TM ⁴ (trunion mount)	EOS01 (end mount 120-277V step dimming IP66)
						JM ⁵ (direct mount to J-box)	EOS02 (end mount 347V step dimming IP66)
						MM (magnetic mount)	EOS06 (end mount 347V step dimming IP66 up to 40ft mounting height)
						PM (pivot mount)	EOS09 (end mount on/off 120-277V)
							LOS01 (integral lens mount 120-277V step dimming IP66 on sensor)
							LOS02 (integral lens mount 347V step dimming IP66 on sensor)
							FP (fuse protection)
							TP ⁵ (4 tamper proof screws)
							SP (10kA surge protection)
							D ² (DALI driver)
							B ² (Black housing)
							90 (90+ CRI)
							LC (Line Cord)
							CT (Cable cord)
							TLP (Twist lock plug)

NOTE¹: BS100LR=Retro Fit Kit. Mounting options DO NOT apply to BS100LR unit; **NOTE²:** SA is not available in 347V; **NOTE³:** longer lead time, contact factory; **NOTE⁴:** specify length for AC: 50", 72", 150", 250" fully adjustable; **NOTE⁵:** SPK min 6"; **NOTE⁶:** Voids IP66 rating and sanitation listing

Compatible Sensor Table

ORDERING GUIDE	BRAND	MODEL
EOS01	Acuity	SBOR-10-OEX-D
EOS02	Acuity	SBOR-10-OEX-D-HVOLT
EOS06	Wattstopper	FSP-221B-D-L7-W
LOS01	Wattstopper	FSP-212-L2
LOS02	Wattstopper	FSP-221-L2

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.

DLC ID Table

MODEL	DLC ID	MODEL	DLC ID
BS100L-4H3K	PUE3CVKS	BS100L-4M3K	P0BV749K
BS100L-4H35K	PDTQFVX	BS100L-4M35K	PG982GHQ
BS100L-4H4K	PW7G8UW2	BS100L-4M4K	PRG216DB
BS100L-4H5K	P1QSX0IG	BS100L-4M5K	PTGL6NTJ
BS100L-4L3K	PUAJKHB6	BS100L-4VL3K	PKZEXYCL
BS100L-4L35K	PBR16CZE	BS100L-4VL35K	PLKYQ4VK
BS100L-4L4K	PAYEG0XT	BS100L-4VL4K	PK9YXJO
BS100L-4L5K	PQRVV6L	BS100L-4VL5K	PC8YVG1C

BS100L

HOUSING:
100% UV stabilized polycarbonate, liquid silicone perimeter gasket with memory retention.

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

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

ELECTRICAL:
Available in 3000K, 3500K, 4000K or 5000K colour temperatures. High efficiency driver operates 100V through 277V or 347V, 50-60HZ. L85 up to 54,000 hours. SDCM 3.

WEIGHT:
10 lbs. / 4.5 kilo.

POWER LINE/FEED:
5-wire, 18awg, pre-stripped 12" leads for quick in-field connection and hot load disconnect feature.

MOUNTING:
Surface & chain mount configuration is standard with integrated stainless steel mounting brackets and chain hooks. Additional mounting systems are available: including aviation cable, pendants, trunion, magnetic, pivot and direct to junction box configurations.

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.

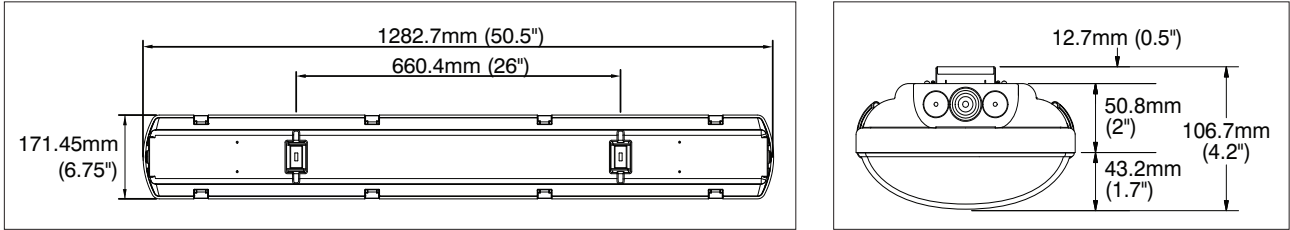
OPERATING TEMPERATURE:
AC only: -40°C to 40°C
SA: 0°C to 40°C

SANITATION LISTED:
Equivalent to the NSF standard 2. The **BS100L** is suitable for use in food equipment environments.

RETROFIT KIT (BS100LR):
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.

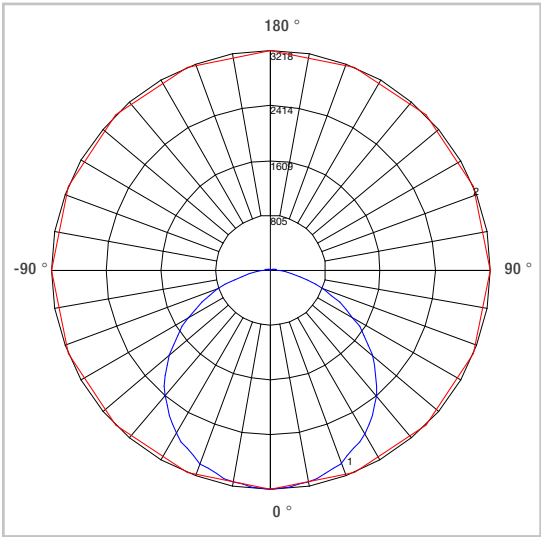
WARRANTY:
5 year LED warranty, see website for full warranty details.

Dimensions



BS100L-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%

PHOTOMETRIC DATA

Energy Chart

MODEL	LENGTH	COLOUR	EFFICACY	WATTAGE	LUMEN OUTPUT	CRI	REPORTED L85 ¹ (HOURS)	LUMEN MAINTENANCE
BS100L-4VL-3K	4ft	3000K	143 lm/W	30	3958	80+	>54,000	97%
BS100L-4VL-35K	4ft	3500K	148 lm/W	30	4081	80+	>54,000	97%
BS100L-4VL-4K	4ft	4000K	151 lm/W	30	4169	80+	>54,000	97%
BS100L-4VL-5K	4ft	5000K	153 lm/W	30	4221	80+	>54,000	97%
BS100L-4L-3K	4ft	3000K	155 lm/W	50	6185	80+	>54,000	97%
BS100L-4L-35K	4ft	3500K	159 lm/W	50	6378	80+	>54,000	97%
BS100L-4L-4K	4ft	4000K	163 lm/W	50	6515	80+	>54,000	97%
BS100L-4L-5K	4ft	5000K	165 lm/W	50	6596	80+	>54,000	97%
BS100L-4M-3K	4ft	3000K	139 lm/W	60	6756	80+	>54,000	97%
BS100L-4M-35K	4ft	3500K	143 lm/W	60	6967	80+	>54,000	97%
BS100L-4M-4K	4ft	4000K	146 lm/W	60	7117	80+	>54,000	97%
BS100L-4M-5K	4ft	5000K	148 lm/W	60	7205	80+	>54,000	97%
BS100L-4H-3K	4ft	3000K	134 lm/W	70	8269	80+	>54,000	97%
BS100L-4H-35K	4ft	3500K	138 lm/W	70	8527	80+	>54,000	97%
BS100L-4H-4K	4ft	4000K	141 lm/W	70	8711	80+	>54,000	97%
BS100L-4H-5K	4ft	5000K	142 lm/W	70	8819	80+	>54,000	97%

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

BS100L