BS100L
INDUSTRIAL

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:
L_{85} @ >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
The **BS100L** is ideal for installation in parking garages, warehouses, breezeways, canopies, schools and much more.

Unique three piece design that allows effortless assembly without any tools

Configurations

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MODEL	LENGTH	OPERATION	[5]POWER	COLOUR TEMP	INPUT	MOUNTING	OPTIONS
BS100L	4 (4ft)	[BLANK] (AC only)	VL (4221 lm)	[2]3K (3000K)	S (120-277V)	[BLANK] (surface mount - std.)	SS (stainless steel clips)
		SA[1] (EM backup)	L (6596 lm)	35K (3500K)	C (347V)	[BLANK] (chain hang kit - std.)	[6]IOS01 (microwave, internal, on/off 120-277V (15' MH)
			M (7205 lm)	4K (4000K)		[3]AC (aviation cable)	[6]IOS02 (microwave, internal, step-dimming, 120-347V (26' MH)
			H (8819 lm)	5K (5000K)		SPK (single pendant kit)	EOS01 (PIR Step-dimming, end mount, 120-277V (8-15' MH)
						[4]JM (direct mount to J-box)	EOS02 (PIR Step-dimming, end mount, 347V (8-15' MH)
						MM (magnetic mount)	EOS06 (PIR Step-dimming, end mount, 347V (40' MH)
						PM (pivot mount)	EOS09 (PIR On/Off, end mount, 120-277V (40' MH)
							LOS01 (PIR Step-dimming, integral lens mounted 120-277V (8' MH)
							LOS02 (PIR Step-dimming, integral lens mounted 347V (8' MH)
							[1]EM (90 min emergency backup remote driver)
							[1]FP (fuse protection)
							[4]TP (4 tamper proof screws)
							SP (10kA surge protection)
							[2]D (DALI driver)
							[2]BLK (Black housing)
							90 (90+ CRI)
							[1]LC (Line Cord)
							CT: (Cabtire cord specify 6ft or 10ft)
							TLP (Twist lock plug)

NOTE[1]: SA, EM, LC and FP are not available in 347V; **NOTE[2]:** longer lead time, contact factory; **NOTE[3]:** specify length for AC: 50", 72", 150", 200" fully adjustable; **NOTE[4]:** Voids IP66 rating and sanitation listing; **NOTE[5]:** Refer to Energy Chart for all LM output; **NOTE[6]:** Microwave occupancy sensor.

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

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.

BS100L

DLC ID Table

MODEL	DLC ID	MODEL	DLC ID
BS100L-4H3K	PUE3CVKS	BS100L-4M3K	P0BV749K
BS100L-4H35K	PDTQFGVX	BS100L-4M35K	PG982GHQ
BS100L-4H4K	PW7G8UW2	BS100L-4M4K	PRG2I6DB
BS100L-4H5K	P1QSX0IG	BS100L-4M5K	PTGL6NTJ
BS100L-4L3K	PUAJKHB6	BS100L-4VL3K	PKZEXYCL
BS100L-4L35K	PBR16CZE	BS100L-4VL35K	PLKYQ4VK
BS100L-4L4K	PAYEG0XT	BS100L-4VL4K	PK9XYXJO
BS100L-4L5K	PQRVVV6L	BS100L-4VL5K	PC8YVG1C

BS100L Accessories

MODEL	DESCRIPTION
50001053	aviation cable 50"
50001054	aviation cable 72"
50001055	aviation cable 100"
50001056	aviation cable 150"
50001057	aviation cable 200"
50001041	single pendant kit 12"
50001042	single pendant kit 18"
50001043	single pendant kit 24"
50001044	single pendant kit 36"
50001045	single pendant kit 48"
DPK12	double pendant kit 12"
DPK24	double pendant kit 24"
DPK36	double pendant kit 36"
DPK48	double pendant kit 48"
DPK96	double pendant kit 96"
50001032	pivot mounting
JM	junction box mount
50001024	magnetic mounting

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 120V through 277V or 347V, 50-60HZ. L85 up to 54,000 hours. SDCM 3.

WEIGHT:
10 lbs. / 4.5 kilo.

AC POWER CONNECTION:
3-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, 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℃ to 40℃
SA: 0℃ to 40℃

SANITATION LISTED:
Equivalent to the NSF standard 2. The **BS100L** is suitable for use in food equipment environments.
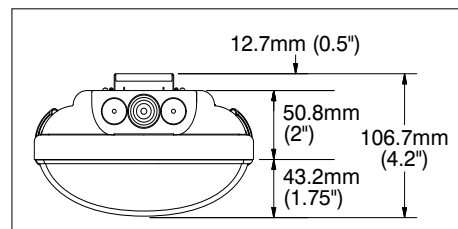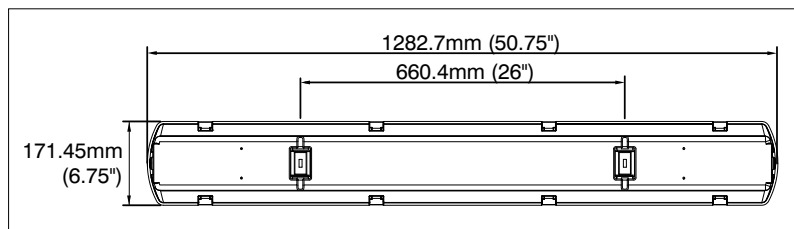
RETROFIT KIT (BS100LR):
A quick upgrade system for your existing fluorescent BS100 units. Designed to easily snap into the existing BS100 housing. Engineered to save you time and labour. Includes the polycarbonate diffuser, the steel reflector, LED modules and driver.
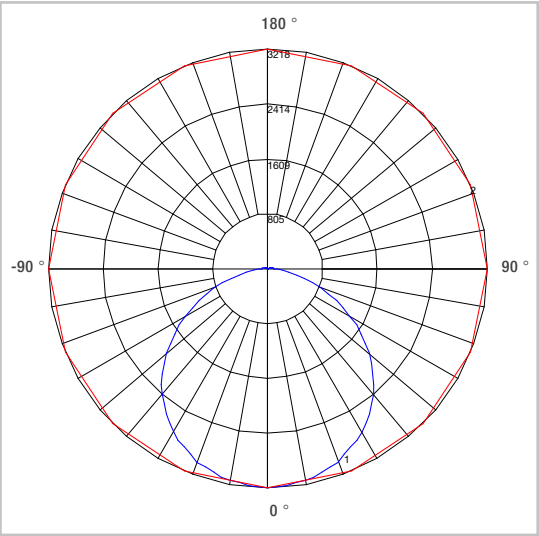
WARRANTY:
5 year LED warranty, see website for full warranty details.

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%

Energy Chart

MODEL	LENGTH	COLOUR	EFFICACY	WATTAGE	LUMEN OUTPUT	CRI	REPORTED L85[1] (HOURS)
BS100L-4VL-3K	4ft	3000K	143 lm/W	30	3958	80+	>54,000
BS100L-4VL-35K	4ft	3500K	148 lm/W	30	4081	80+	>54,000
BS100L-4VL-4K	4ft	4000K	151 lm/W	30	4169	80+	>54,000
BS100L-4VL-5K	4ft	5000K	153 lm/W	30	4221	80+	>54,000
BS100L-4L-3K	4ft	3000K	155 lm/W	40	6185	80+	>54,000
BS100L-4L-35K	4ft	3500K	159 lm/W	40	6378	80+	>54,000
BS100L-4L-4K	4ft	4000K	163 lm/W	40	6515	80+	>54,000
BS100L-4L-5K	4ft	5000K	165 lm/W	40	6596	80+	>54,000
BS100L-4M-3K	4ft	3000K	139 lm/W	50	6756	80+	>54,000
BS100L-4M-35K	4ft	3500K	143 lm/W	50	6967	80+	>54,000
BS100L-4M-4K	4ft	4000K	146 lm/W	50	7117	80+	>54,000
BS100L-4M-5K	4ft	5000K	148 lm/W	50	7205	80+	>54,000
BS100L-4H-3K	4ft	3000K	134 lm/W	62	8269	80+	>54,000
BS100L-4H-35K	4ft	3500K	138 lm/W	62	8527	80+	>54,000
BS100L-4H-4K	4ft	4000K	141 lm/W	62	8711	80+	>54,000
BS100L-4H-5K	4ft	5000K	142 lm/W	62	8819	80+	>54,000

NOTES: Actual performance may vary between +/-5% of initial lumen output NOTE[1]: Calculated as per TM-21-11. Limited by 6X LM80 test duration.