

BS100LX

INDUSTRIAL

Type: _____

Project: _____

Delivered Lumens:
9834 lm - 11989 lm

Input Wattage:
80W - 100W

Efficacy:
Up to 136 lm/W

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

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

The ILLUMINA® BS100LX features eight (8) closure clips that securely and evenly seal the luminaire

Unique three piece design that allows effortless assembly without any tools

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

The polycarbonate ILLUMINA® BS100LX is corrosion, flame and vandal resistant

The ILLUMINA® BS100LX is ideal for installation in parking garages, warehouses, breezeways, canopies, schools and much more.

Configurations

MODEL-	LENGTH	OPERATION	POWER	COLOUR TEMP-	INPUT-	MOUNTING-	OPTIONS
BS100LX	4 (4ft)	[BLANK] (AC only)	L (9834 lm)	3K ¹ (3000K)	S (120-277V)	[BLANK] (surface mount - std.)	SS (stainless steel clips)
			H (11989 lm)	35K (3500K)	C (347V)	[BLANK] (chain hang kit - std.)	IOS02 (internal 120-347V microwave step dimming sensor)
				4K (4000K)		AC ² (aviation cable)	IOS03 (internal 120-277V microwave step dimming sensor)
				5K ¹ (5000K)		SPK ³ (single pendant kit)	EOS03 (end mount 120-277V step dimming IP66)
						TM ³ (trunion mount)	EOS04 (end mount 347V step dimming IP66)
						JM ⁴ (direct mount to J-box)	EOS05 (end mount 347V on/off sensor)
						MM (magnetic mount)	EOS09 (end mount on/off 120-277V)
						PM (pivot mount)	LOS03 (integral lens mount 120-277V step dimming IP66 on sensor)
							LOS04 (integral lens mount 347V step dimming IP66 on sensor)
							LC (Line Cord)
							CT (Cabtire Cord)
							TLP (Twist lock plug)
							FP (fuse protection)
							EM ⁵ (90 min emergency backup remote driver)
							TP ⁴ (4 tamper proof screws)
							SP (10kA surge protection)
							D ⁵ (DALI driver)
							B ¹ (Black housing)
							90 (90+ CRI)
							T 50°C High Temperature

NOTE¹: EM is not available in 347V. Premium pending; **NOTE²:** longer lead time, contact factory; **NOTE³:** specify length for AC: 50", 72", 150", 250" fully adjustable; **NOTE⁴:** SPK min 6"; **NOTE⁵:** Voids IP66 rating; **NOTE⁶:** Contact factory for DALI on HO-347V models for availability

Illumina® BS100LX

Compatible Sensor Table

ORDERING GUIDE	BRAND	MODEL
EOS03	Acuity	SBOR-6-OEX-D
EOS04	Acuity	SBOR-6-OEX-D-HVOLT
EOS05	Wattstopper	HBP-112-L7-EM1-OEM
EOS06	Wattstopper	FSP-221B-D-L7-W
LOS03	Wattstopper	FSP-212-L7
LOS04	Wattstopper	FSP-221-L7

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
BS100LX-4H3K	PU1VWJJ5	BS100LX-4H5K	*POW5UVI5
BS100LX-4H3K-T	PB5554UO	BS100LX-4H5K-T	*PLEVSMQW
BS100LX-4H35K	P9XBKRKK	BS100LX-4L3K	POMEYUNK
BS100LX-4H35K-T	P1O8QGN9	BS100LX-4L35K	PP6NM3C0
BS100LX-4H4K	PC4IFBUB	BS100LX-4L4K	P2TDDSVT
BS100LX-4H4K-T	P6NKVAYN	BS100LX-4L5K	*PZ1UCCME

Note: *DLC ID provided is for standard, premium listing pending

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 greater than 54,000 hours. SDCM 3.

POWER LINE/FEED:

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

WEIGHT:

10 lbs. / 4.5 kilo.

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 from 10%-100% is standard. Optional DALI driver is available.

EMERGENCY BACKUP (EM):

Remote mounted emergency backup with ni-cd batteries provides 2634 lumens for 90 minutes.

OPERATING TEMPERATURE:

AC only: -40°C to 40°C
AC only (T): -40°C to 50°C
EM: 0°C to 50°C

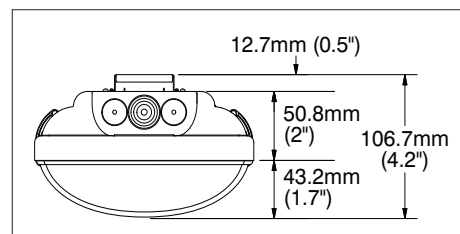
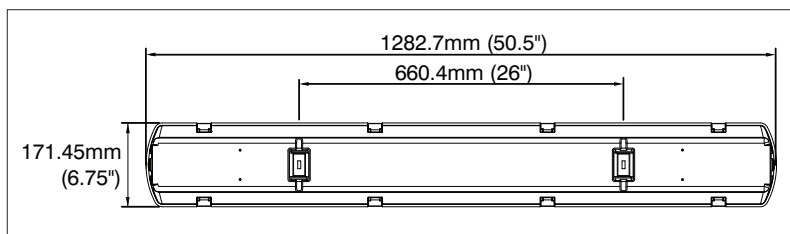
SANITATION LISTED:

Equivalent to the NSF standard 2 and is suitable for use in food equipment environments.

WARRANTY:

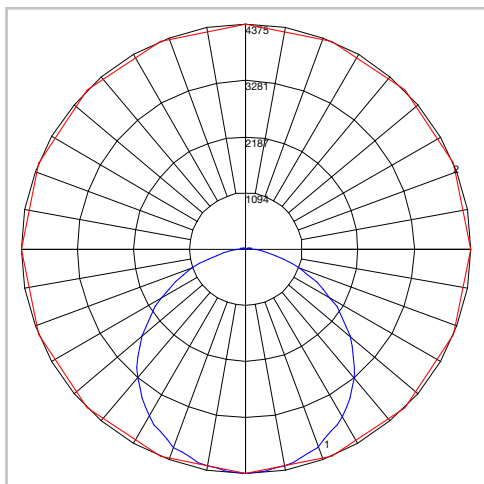
5 year LED warranty, see website for full warranty details.

Dimensions



BS100LX-4H-5K

Luminous Intensity Distribution



Zonal Lumen Summary

ZONE	LUMENS	% LUMINAIRE
0-30	3304	28%
10-90	11388	95%
60-80	2121	18%
90-180	196	1%
0-180	11993	100%

Energy Chart

MODEL	LENGTH	COLOUR	EFFICACY	WATTAGE	LUMEN OUTPUT	CRI	REPORTED L85 (HOURS) ¹
BS100LX-4L-3K	4ft	3000K	127 lm/W	80	9834	80+	>54,000
BS100LX-4L-35K	4ft	3500K	131 lm/W	80	10141	80+	>54,000
BS100LX-4L-4K	4ft	4000K	134 lm/W	80	10359	80+	>54,000
BS100LX-4L-5K	4ft	5000K	136 lm/W	80	10488	80+	>54,000
BS100LX-4H-3K-T	4ft	3000K	118 lm/W	100	11241	80+	>54,000
BS100LX-4H-35K-T	4ft	3500K	121 lm/W	100	11592	80+	>54,000
BS100LX-4H-4K-T	4ft	4000K	124 lm/W	100	11842	80+	>54,000
BS100LX-4H-5K-T	4ft	5000K	125 lm/W	100	11989	80+	>54,000
BS100LX-4H-3K	4ft	3000K	121 lm/W	100	11241	80+	>54,000
BS100LX-4H-35K	4ft	3500K	125 lm/W	100	11592	80+	>54,000
BS100LX-4H-4K	4ft	4000K	128 lm/W	100	11842	80+	>54,000
BS100LX-4H-5K	4ft	5000K	130 lm/W	100	11989	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.