

BS100LED

INDUSTRIAL



Type: _____
 Project: _____



CONFIGURATIONS

MODEL	LENGTH	OPERATION	POWER	LED/PERFORMANCE	INPUT	MOUNTING	OPTIONS
BS100LED	4 (4ft)	HT (AC only)	50W	WT30 (3000K)	120/277V	AC_2 (aviation cable)	CL (clear lens)
BS100LED-RK¹			80W	WT41 (4100K)	347V	SPK_3 (single pendant kit)	SS (stainless steel clips)
				WT57 (5700K)	480V	DPK_3 (double pendant kit)	OS (occupancy sensor)
						CH_3 (chain hang kit)	OSW⁵ (occupancy sensor-wet)
						TM_3 (trunion mount)	FP (fuse protection)
						JM⁴ (direct mount to j-box)	SL (sanitation listed)
						MM (magnetic mount)	TP⁶ (tamper proof screws)
						PM (pivot mount)	

NOTE¹: RK=Retro Fit Kit; Mounting options DO NOT apply to BS100LED-RK unit.

NOTE²: specify length for AC: 72", 150", 250" fully adjustable; NOTE³: SPK, DPK, CH & TM options, min 6". Note⁴: JM option - the unit is no longer wet location / IP66 rated.

NOTE⁵: wet location OC; NOTE⁶: TP-tamper proof screws require a special bit (TPB), order as needed.

HOUSING: 100% UV stabilized polycarbonate, liquid silicone perimeter gasket with memory retention, integrated stainless steel mounting brackets.

REFLECTOR: Flat, steel reflector system finished in durable powder coat white. LED boards are secured to the reflector using a spotted slot system. The reflector system holds all electrical components.

ELECTRICAL: Each 4ft fixture utilizes two high-efficiency LED boards. Available in 3000K, 4100K or 5700K color temperatures as standard, High efficiency driver operates 100V through 277V, 347V through 480V, 50-60HZ. Fuse protection (FP) option available. Drivers used: 50W and

80W. Dimming capabilities standard (0-10V), L70 up to 100,000 hours. (see next page for more info.)

MOUNTING: Surface mount configuration as standard. Additional mounting systems are available: including aviation cable, pendants, chain, trunion, magnetic, pivot and direct to junction box configurations. Suspension height is to be specified when ordering any suspension mount units: AC, SPK, DPK, CH & TM. (JM configuration mounts directly to the j-box; no longer complies with IP66 wet location rating. Fixture will be suitable for damp environments only.)

POWER LINE/FEED: 3-wire, solid type 18awg, pre-stripped 12" leads for quick in-field connection and hot load disconnect feature.

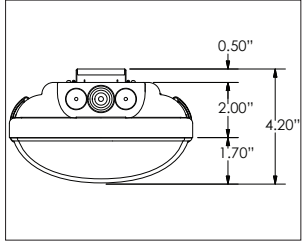
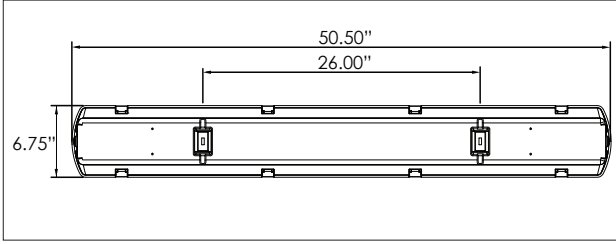
DIMMING: 0 - 10V dimming is standard.

WEIGHT: 10 lbs. / 4.5 kilo.

OPERATING TEMPERATURE: -25 °C to 50 °C

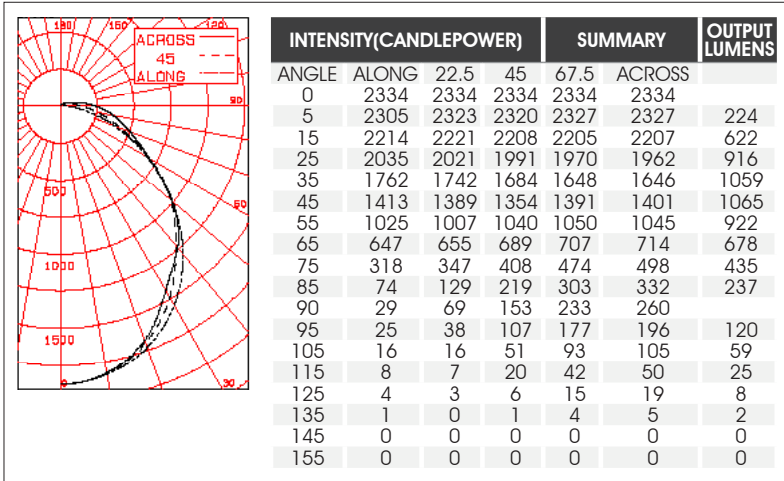
RETROFIT KIT (BS100LED-RK): A quick upgrade system for your existing fluorescent BS100 units. Designed to easily snap into the existing BS100 housing. Engineered to save you time and labor. Includes the polycarbonate diffuser, the steel reflector, LED module and driver.

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



BS100LED-4HT-80W-WT41-120/277V

CANDELA DISTRIBUTION



Tested in accordance with IESN9 LM-79-2012

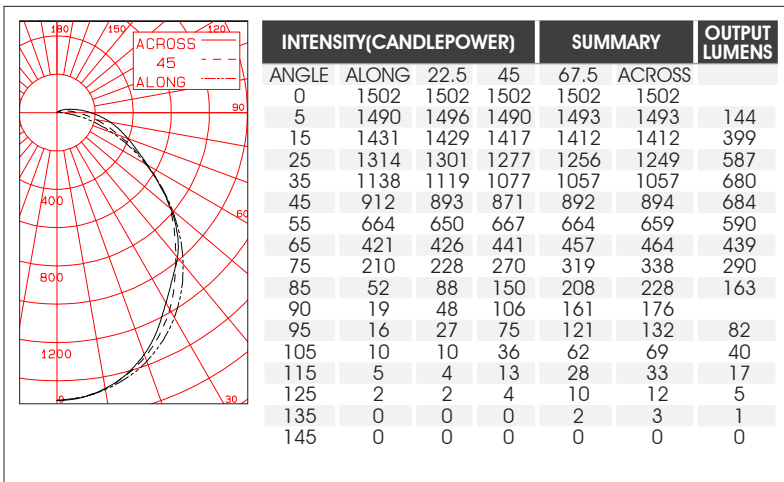
Max Candela:	2334	CIE Class:	Direct
Efficiency Total:	100%	Lumen Rating:	6373
Efficacy Total:	91.8 lm/W	Input Wattage:	69.5W

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1760	27.63	27.63
0-40	2819	44.25	44.25
0-60	4806	75.43	75.43
0-90	6158	96.63	96.63
40-90	3338	52.39	52.39
60-90	1351	21.20	21.20
90-180	214	3.37	3.37
0-180	6373	100.00	100.00

BS100LED-4-HT-50W-WT30-120/277V

CANDELA DISTRIBUTION



Tested in accordance with IESN9 LM-79-2012

Max Candela:	1502	CIE Class:	Direct
Efficiency Total:	100%	Lumen Rating:	4120
Efficacy Total:	88.0 lm/W	Input Wattage:	46.8W

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1129	27.43	27.43
0-40	1809	43.93	43.93
0-60	3083	74.85	74.85
0-90	3974	96.48	96.48
40-90	2164	52.55	52.55
60-90	891	21.63	21.63
90-180	145	3.52	3.52
0-180	4120	100.00	100.00

ENERGY COMPARISON CHART

LAMP	LENGTH	EFFICACY	CONSUMPTION WATTAGE	LUMEN OUTPUT	CRI	mAmps (per board)	AMBIENT TEMP	L70 (hrs.)
BS100LED-30W-WT41	4FT	98 lm/W	29.7	2900	85+	525	50°C	100,000
BS100LED-50W-WT30	4FT	88 lm/W	46.8	4100	80+	525	50°C	100,000
BS100LED-50W-WT41	4FT	96 lm/W	47.8	4600	80+	525	50°C	100,000
BS100LED-80W-WT30	4FT	84 lm/W	70.0	5900	80	750	50°C	75,000
BS100LED-80W-WT41	4FT	92 lm/W	69.0	6400	85+	750	50°C	75,000

Each fixture utilizes 2 (two) high-efficiency LED boards.