

ILLUMINA®

TITLE 20 **TITLE 24**


BS101LED ECO

- The **ILLUMINA® BS101LED ECO** is an economical, corrosion, flame and vandal resistant wet location luminaire certified to NSF/ANSI 2 for Splash Zone applications.
- **HOUSING:** 100% UV stabilized polycarbonate, liquid silicone perimeter gasket with memory retention.
- **DIFFUSER:** The frosted UV stabilized polycarbonate diffuser eliminates glare and provides even light distribution.
- **LUMENS:** LO: 5495 to 5841 lm, HO: 8635 - 9178 lm
- **OPERATING TEMP:** HT (AC Only) -40°F to 104°F (-20°C to 40°C)
SA (AC & Emergency) 32°F to 104°F (0°C to 40°C)
- **ELECTRICAL:** 120-277V, 50/60Hz; 0-10VDC dimming; PF >0.95; THD < 20%
- **WEIGHT:** HT: 10 lb / SA: 11.5 lb



APPLICATION: The **ILLUMINA® BS101LED ECO** provides ideal illumination for canopies, warehouses, schools, breezeways and service corridors. It can be installed both indoor & outdoor.

ORDERING INFORMATION

MODEL	LENGTH	OPERATION	OUTPUT	COLOR TEMP	INPUT	MOUNTING	OPTIONS
BS101LED ECO	4 (ft)	HT (AC only)	LO	WT30 (3000K)	120-277V	blank (surface mount standard)	CRD ⁴ (black, 18AWG)
		SA ¹ (AC & EM)	HO	WT35 (3500K)	347-480V		NOD ⁷ (integrated node)
				WT40 (4000K)		JM ³ (junction mount)	FA ⁵ (fully assembled)
				WT50 (5000K)			SP (surge protection - 10KA)
							FP (fuse protection - 3A)
							OS ^{6,7} (internal occ sensor)
							TPS (tamper proof screws)
							OSBSR ^{6,7} (internal occ sensor)

CONTROLS & ACCESSORIES

1PKxWBS14 ^{8,9} (single pendant kit, white, x=length)	2CH48 ⁹ (48" chain hang kit, field cuttable)	RLY ⁷ (Beghelli lighting control module relay)
1SPKxWBS14 ^{8,9} (swivel single pendant kit, white, x=length)	EMDCB ⁷ (wireless motion & lux sensor)	SW1 ⁷ (single BT rocker wall switch)
2PKxW ^{8,9} (double stem pendant mount kit, white)	HHRFSIR ¹⁰ (handheld remote for FSP221)	TPB (tamper proof driver bit)
2SPKxW ^{8,9} (swivel double stem pendant kit)	PM (pivot mount)	TM22BS14 ⁹ (22" trunnion mount bracket)
2ACx ⁹ (aircraft cable, x=length)	QMBWBS14 ¹¹ (quick mount bracket)	

NOTE 1: Emergency pack 120-277V; 10W/1220 lm.

NOTE 3: JM direct j-box mount maintains fixture's IP66 rating

NOTE 4: Specify length and 3 or 5-conductor (CRD required for suspension mounting: pendant and chain/ cable kit accessories)

NOTE 5: Includes latches, grommets, etc. installed at the factory for quick installation

NOTE 6: OS is std Beghelli sensor (DLC Listed OSBSR; as well as CRMB9, OSFSP221, SBOR and other sensors also available, SEE CONTROLS SECTION ON PAGE 3)

NOTE 7: Beghelli offers wireless and powerless control solutions, contact factory for more details

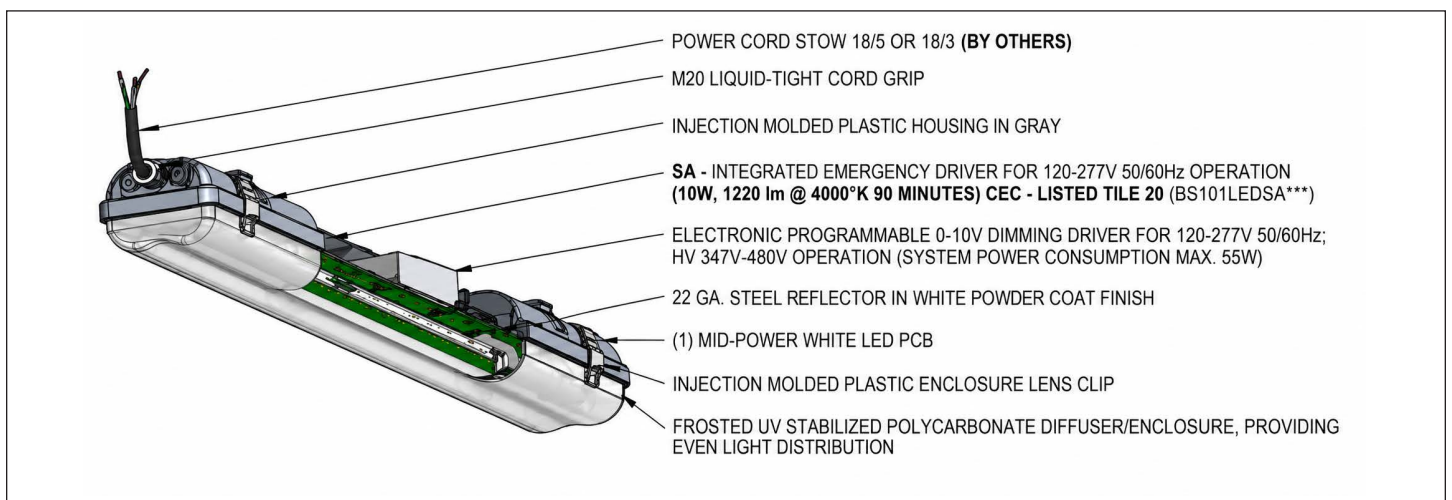
NOTE 8: Standard pendant lengths "x" = 12 (12"), 24 (24") and 48 (48")

NOTE 9: Consult factory for non-standard lengths

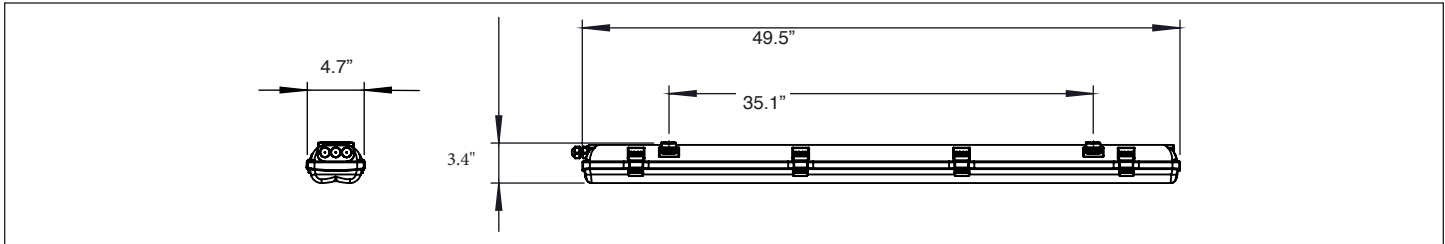
NOTE 10: Handheld remote to adjust FSP221 occ sensor

NOTE 11: Quick Mount bracket requires JM mount; FA option recommended for maximum labor savings

TECHNICAL INFORMATION



DIMENSIONS



MOUNTING OPTIONS

Surface Mount (standard)

Aircraft Cable Kit (2AC50, 2AC72)

Chain Hang Kit (2CH48)

Double Pendant Kit (2PK12W, 2PK24W, 2PK48W)

J-Box & Quick Mount Bracket Mount (JM, QMBWBS14)

Pivot Mount Kit PM

Single Pendant Kit (1PKxWBS04 x=12", 24", 48")

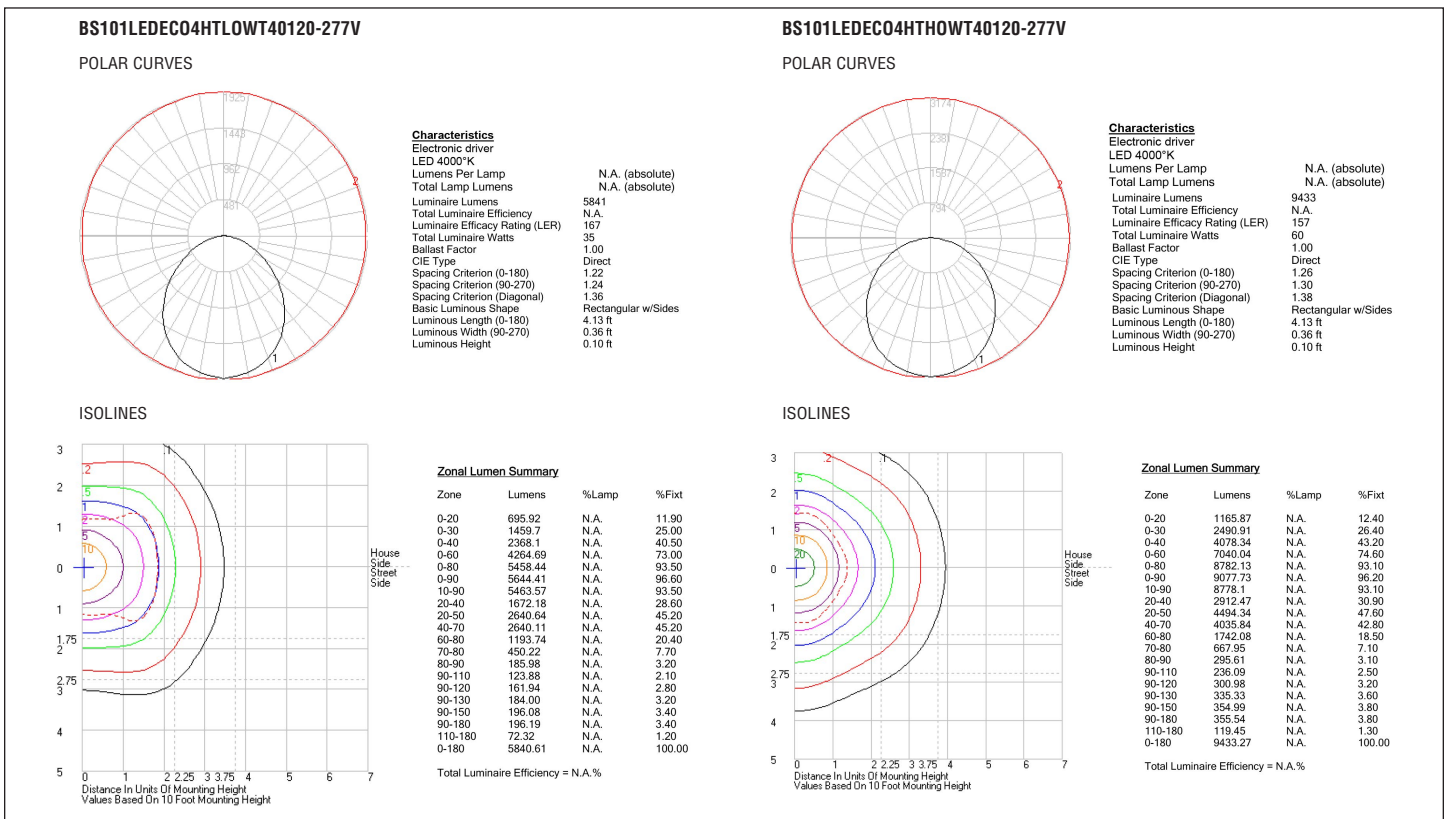
Swivel Double Pendant Kit (2SPK12W, 2SPK24W, 2SPK48W)

Swivel Single Pendant Kit (1SPKxWBS04, x=12", 24", 48")

Trunnion Mount Kit (TM22BS14)

NOTE: When wall mounted, DAMP LOCATION LISTED
NOTE: CRD option required for all suspension mount kits

PHOTOMETRICS



ILLUMINA® BS101LED ECO

ENERGY CHART

MODEL	LENGTH	EFFICACY	CONSUMPTION WATTAGE	LUMEN OUTPUT	CRI	L70 (HRS) TESTED	L70 (HRS) PROJECTED
BS101LED-ECO-4HT-LO-WT30-120-277V	4 ft	157 lm/W	35	5495	>80	>60,000	>100,000
BS101LED-ECO-4HT-LO-WT35-120-277V	4 ft	162 lm/W	35	5677	>80	>60,000	>100,000
BS101LED-ECO-4HT-LO-WT40-120-277V	4 ft	167 lm/W	35	5841	>80	>60,000	>100,000
BS101LED-ECO-4HT-LO-WT50-120-277V	4 ft	167 lm/W	35	5841	>80	>60,000	>100,000
BS101LED-ECO-4HT-HO-WT30-120-277V	4 ft	157 lm/W	55	8635	>80	>60,000	>100,000
BS101LED-ECO-4HT-HO-WT30-120-277V	4 ft	162 lm/W	55	8921	>80	>60,000	>100,000
BS101LED-ECO-4HT-HO-WT40-120-277V	4 ft	167 lm/W	55	9178	>80	>60,000	>100,000
BS101LED-ECO-4HT-HO-WT50-120-277V	4 ft	167 lm/W	55	9178	>80	>60,000	>100,000

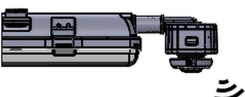
ELECTRICAL RATING

PRODUCT	NOMINAL POWER (W)	AC CURRENT (A) AC VOLTAGE		FREQUENCY (HZ)	DC VOLTAGE (V)	DC CURRENT (MA)
		120 V	277 V			
BS101LED-ECO-HT-LO	35	0.30	0.13	50/60	45	650
BS101LED-ECO-HT-HO	55	0.47	0.20	50/60	45	1000

DIMMER COMPATIBILITY

DIMMER	COMPATABILITY	
	ON/OFF	DIMMING
LEVITON - AWRMG-7	YES	YES
LUTRON - DIVE - DVSTV	YES	YES
LUTRON - DIVE - DVTV	YES	YES
WATT STOPPER - DCLV1	YES	YES

BEGHELLI LIGHTING CONTROL SOLUTIONS

DAISY CHAIN FIXTURES (RELAY)			EXTERNAL NODE & SENSOR (OS)	
RLY* Wireless Relay (Damp Location)  Max range: 100 ft Max fixtures: 20	EMDCB* Remote Sensor (Damp Location) 	SW1* Single Switch (Damp Location) 	OS (Beghelli standard) (Wet Location) 	SW1* Single Switch (Damp Location) 
External occ sensor options: **OSB, **OSBC, **OSBSR, SBOR, CRMB9, OSFSP221, etc.				
INTEGRATED NODE (NOD)				
NOD* Node 	EMDCB* Remote Sensor (Damp Location) 	SW1* Single Switch (Damp Location) 		

**B = Bluetooth Mesh; BC = Casambi Mesh; BSR = DLC-listed TruBlu Silvr Air Mesh

❖ Beghelli offers standard wired and wireless control solutions. Beghelli fixtures are compatible with most control solutions available in the market, consult factory for more details.

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