

ILLUMINA®**TITLE 20****TITLE 24**

BS101LED

- The **ILLUMINA® BS101LED** is a corrosion, flame and vandal resistant vapor tight that is certified for NSF/ ANSI 2 Splash Zone applications.
- **HOUSING:** 100% UV stabilized polycarbonate, liquid silicone perimeter gasket with memory retention.
- **DIFFUSER:** The frosted UL stabilized polycarbonate diffuser eliminates glare and provides even light distribution.
- **LUMENS:** LO: 40W @ 5908 - 6280 lm | HO: 60W @ 8876 - 9433 lm
- **OPERATING TEMP:** HT (AC only) -40°F to 104°F (-40°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** provides ideal illumination for canopies, warehouses, schools, breezeways and service corridors.

ORDERING INFORMATION

Example: BS101LED4 HT HO WT40 120-277V FSP221

MODEL	LENGTH	OPERATION	OUTPUT	COLOR TEMP	INPUT	MOUNTING	OPTIONS
BS101LED	4 (ft)	HT (AC only)	LO	WT30 (3000K)	120-277V	blank	CRD ³ (black, 18AWG) OSBSR ^{5,6} (external occ sensor)
		SA ¹ (AC & EM)	HO	WT35 (3500K)	347-480V	(surface mount standard)	D (dali driver) NOD ⁶ (integrated mode)
				WT40 (4000K)		JM ² (j-box mount)	FA ⁴ (fully assembled) SP (surge protection - 10KA)
				WT50 (5000K)			FP (fuse protection - 3A) SS (stainless steel clips)
							OS ^{5,6} (external occ sensor) TPS (tamper proof screws)
CONTROLS & ACCESSORIES							
1PKxWBS14 ^{7,8} (single pendant kit, white, x=length)		2SPKxW ^{7,8} (swivel double stem pendant kit)		QMBWBS14 ¹⁰ (quick mount bracket)			
1SPKxWBS14 ^{7,8} (swivel single pendant kit, white, x=length)		EMDCB ⁹ (BT wireless motion and lux sensor)		RLY ⁶ (Beghelli lighting control module relay)			
2ACx ⁹ (aircraft cable, x=length)		HHRFSIR ⁹ (handheld remote for FSP221)		SW1 ⁶ (single BT rocker wall switch)			
2CH48 ⁹ (48" chain hang kit, field cuttable)		PM (pivot mount)		TM22BS14 ⁹ (22" trunnion mount bracket)			
2PKxW ^{7,8} (double stem pendant mount kit, white)							

NOTE 1: Emergency pack 120-277V; 10W/ 1630 lm. CEC - Listed Title 20.

NOTE 2: The unit is no longer wet location, but damp location

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

NOTE 4: Includes latches, grommets, etc. installed at the factory for quick installation

NOTE 5: OS is std Beghelli sensor (DLC Listed OSBSR; as well as CRMB9, OSFSP221, SBOR and other sensors also available, SEE CONTROLS SECTION ON PAGE 4)

NOTE 6: Beghelli offers wireless and powerless control solutions, contact factory for more details

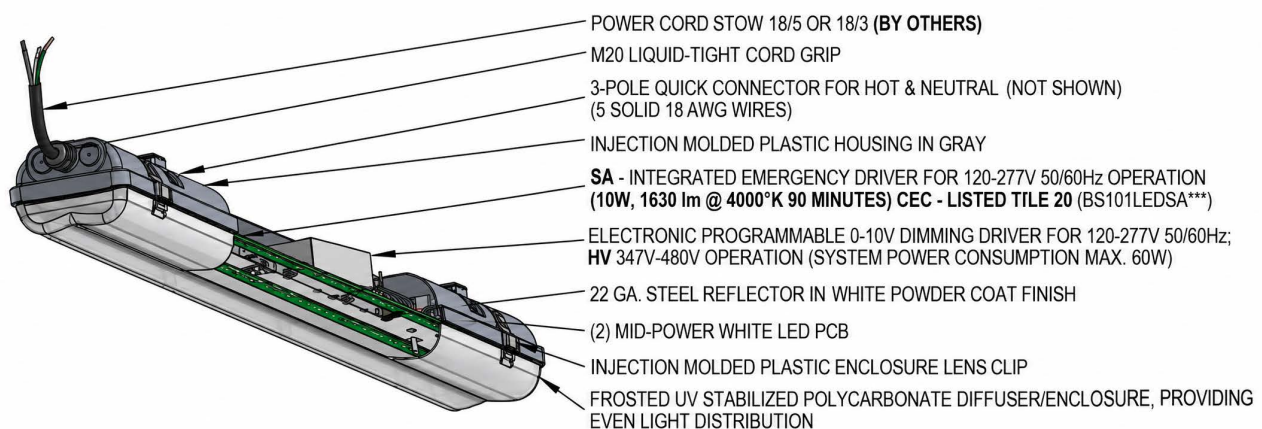
NOTE 7: Standard pendant lengths "x" = 12 (12"), 24 (24"), and 48 (48")

NOTE 8: Consult factory for non-standard lengths

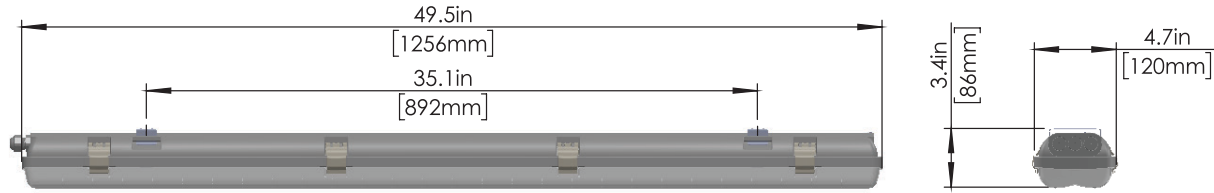
NOTE 9: Handheld remote to adjust FSP221 occ sensor

NOTE 10: Quick Mount bracket requires JM mount; FA option recommended for maximum labor savings

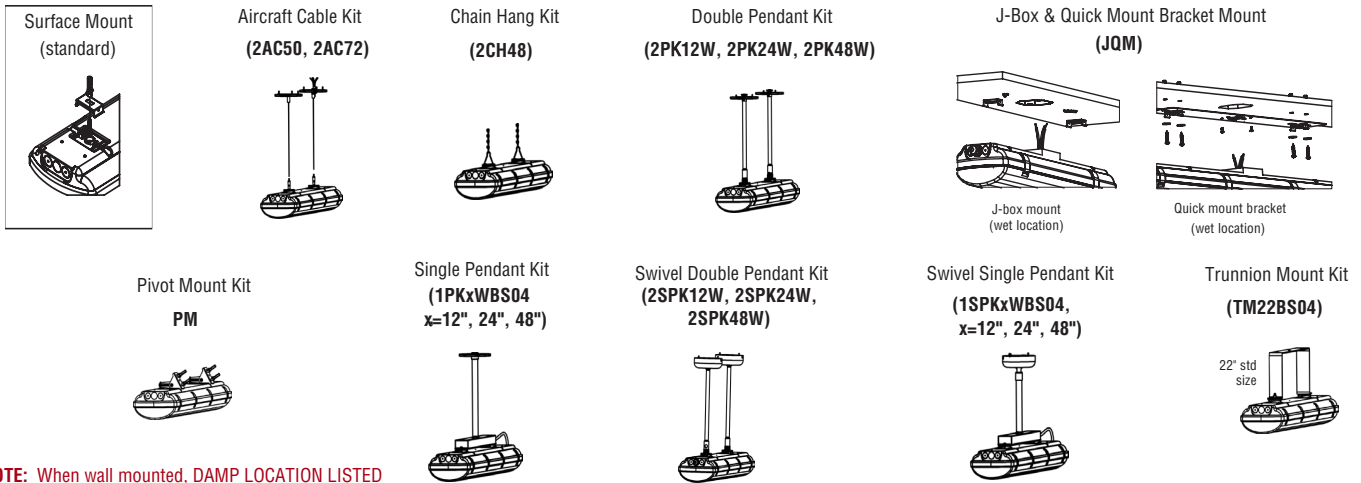
TECHNICAL INFORMATION



DIMENSIONS



MOUNTING OPTIONS

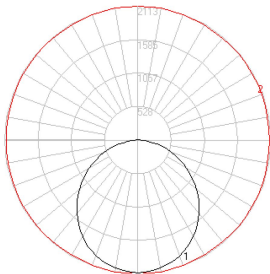


NOTE: When wall mounted, DAMP LOCATION LISTED
NOTE: CRD option required for all suspension mount kits

PHOTOMETRICS

BS101LED4HTLOWT40120-277V

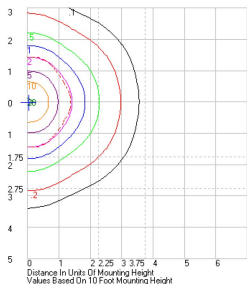
POLAR CURVES



Characteristics

Electronic driver	
LED 4000°K	
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6280
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	40
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.13 ft
Luminous Width (90-270)	0.36 ft
Luminous Height	0.10 ft

ISOLINES



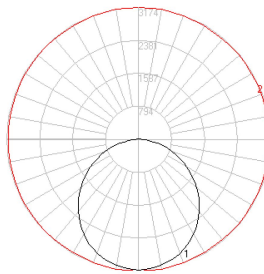
Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	776.19	N.A.	12.40
0-30	1658.34	N.A.	26.40
0-40	2715.18	N.A.	43.20
0-50	4686.35	N.A.	74.60
0-60	5846.75	N.A.	93.10
0-80	6043.56	N.A.	96.20
10-90	5844.08	N.A.	93.10
20-40	1938.99	N.A.	30.90
20-50	2992.13	N.A.	47.60
40-70	2686.88	N.A.	42.80
60-80	1159.8	N.A.	18.50
70-80	444.69	N.A.	7.10
80-90	196.80	N.A.	3.10
90-110	157.18	N.A.	2.50
90-120	200.38	N.A.	3.20
90-130	223.25	N.A.	3.60
90-150	236.33	N.A.	3.80
90-180	236.70	N.A.	3.80
110-180	79.52	N.A.	1.30
0-180	6280.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

BS101LED4HTHOWT40120-277V

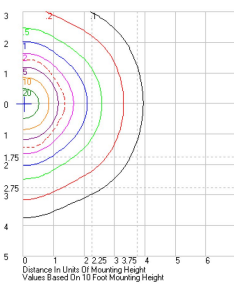
POLAR CURVES



Characteristics

Electronic driver	
LED 4000°K	
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9433
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	60
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.13 ft
Luminous Width (90-270)	0.36 ft
Luminous Height	0.10 ft

ISOLINES



Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1165.87	N.A.	12.40
0-30	2490.91	N.A.	26.40
0-40	4078.34	N.A.	43.20
0-50	7040.04	N.A.	74.60
0-60	8782.13	N.A.	93.10
0-80	9077.73	N.A.	96.20
10-90	8778.1	N.A.	93.10
20-40	2912.47	N.A.	30.90
20-50	4494.34	N.A.	47.60
40-70	4035.84	N.A.	42.80
60-80	1742.08	N.A.	18.50
70-80	667.95	N.A.	7.10
80-90	295.61	N.A.	3.10
90-110	236.09	N.A.	2.50
90-120	300.98	N.A.	3.20
90-130	335.33	N.A.	3.60
90-150	354.99	N.A.	3.80
90-180	355.54	N.A.	3.80
110-180	119.45	N.A.	1.30
0-180	9433.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ILLUMINA® BS101LED

ENERGY CHART

MODEL	LENGTH	EFFICACY	CONSUMPTION WATTAGE	LUMEN OUTPUT	CRI	L70 (HRS) TESTED	L70 (HRS) PROJECTED
BS101LED-4HT-LO-WT30-120-277V	4 ft	148 lm/W	40	5908	>80	>60,000	>100,000
BS101LED-4HT-LO-WT35-120-277V	4 ft	153 lm/W	40	6102	>80	>60,000	>100,000
BS101LED-4HT-LO-WT40-120-277V	4 ft	157 lm/W	40	6280	>80	>60,000	>100,000
BS101LED-4HT-LO-WT50-120-277V	4 ft	157 lm/W	40	6280	>80	>60,000	>100,000
BS101LED-4HT-HO-WT30-120-277V	4 ft	148 lm/W	60	8876	>80	>60,000	>100,000
BS101LED-4HT-HO-WT35-120-277V	4 ft	153 lm/W	60	9170	>80	>60,000	>100,000
BS101LED-4HT-HO-WT40-120-277V	4 ft	157 lm/W	60	9433	>80	>60,000	>100,000
BS101LED-4HT-HO-WT50-120-277V	4 ft	157 lm/W	60	9433	>80	>60,000	>100,000

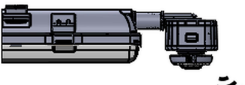
ELECTRICAL RATING

PRODUCT	NOMINAL POWER (W)	AC CURRENT (A) AC VOLTAGE		FREQUENCY (HZ)	DC VOLTAGE (V)	DC CURRENT (MA)
		120 V	277 V			
BS101LED-HT-LO	40	0.34	0.15	50/60	45	800
BS101LED-HT-HO	60	0.51	0.22	50/60	45	1200

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) 
INTEGRATED NODE (NOD)			External occ sensor options: **OSB, **OSBC, **OSBSR, SBOR, CRMB9, OSFSP221 , etc.	
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.