

Type: _____

Project: _____

ILLUMINA®

BS101LED ECO E

- The **ILLUMINA® BS101LED ECO E** is an economical solution for wet location illumination and is corrosion, flame and vandal resistant
- **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:**
 - 4000K: 4551 lm
 - 5000K: 4551 lm
- **OPERATING TEMP:** HT (AC Only) -40°F to 104°F (-25°C to 40°C)
SA (AC & EM) 32°F to 104°F (0°C to 40°C)
- **ELECTRICAL:** 120-277V, 50/60HZ; 0-10VDC dimming; PF >0.95; THD < 20%
- **WEIGHT:** 10 lb (HT) / 11.5 lb (SA)



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

ORDERING INFORMATION

Example: BS101LEDECOE 4HTHOWT40 120-277

MODEL	LENGTH	OPERATION	OUTPUT	COLOR TEMP	INPUT	MOUNTING	OPTIONS	
BS101LED ECO E	4 (ft)	HT (AC only)	HO	WT40 (4000K)	120-277V	blank (surface mount standard)	CRD ³ (black, 18AWG)	SS (stainless steel clips)
		SA ¹ (AC & EM)		WT50 (5000K)		JM ² (j-box mount)	FP (fuse protection - 3A)	TPS (tamper proof screws)
							SP (surge protection - 10 KA)	

CONTROLS & ACCESSORIES

1PKxWBS144,5 (single pivot kit, white x=length)	2CH48 ⁵ (48" chain hang kit, field cuttable)	QMBWBS14 ⁶ (quick mount bracket)
1SPKxWBS14 ^{4,5} (swivel pivot kit, white x=length)	2PKxW ^{4,5} (double stem pendant mount kit, white)	TPB (tamper proof bits)
2ACx ⁵ (aircraft cable, x=length)	2SPKxW ^{4,5} (swivel double stem pendant kit)	TM22BS14 ⁵ (trunnion mount)
	PM (pivot mount)	

NOTE 1: Emergency pack 120-277V; 10W/1170 lm

NOTE 2: JM direct j-box mount maintains fixture's IP66 rating

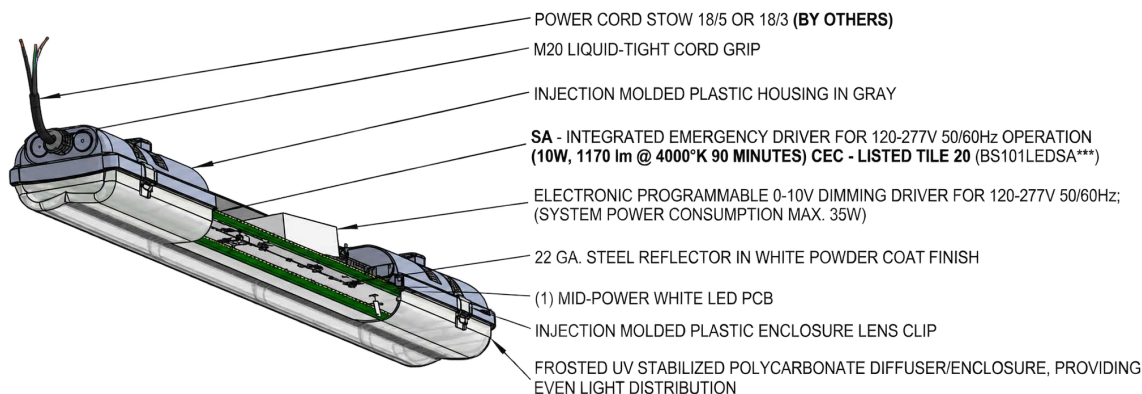
NOTE 3: Specify length and 3 or 5-conductor (CRD required for suspension mounting: pendant and chain/ cable kit accessories)

NOTE 4: Standard pendant lengths "x" = 12 (12"), 24 (24"), and 48 (48")

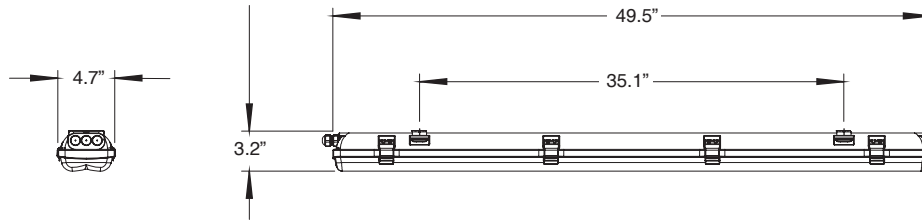
NOTE 5: Consult factory for non-standard lengths

NOTE 6: Quick Mount bracket requires JM mount

TECHNICAL INFORMATION

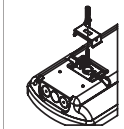


DIMENSIONS



MOUNTING OPTIONS

Surface Mount
(standard)



Aviation Cable Kit
(2AC50, 2AC72)



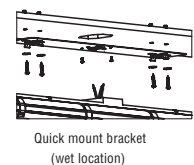
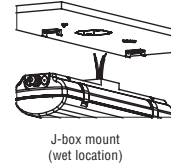
Chain Hang Kit
(2CH48)



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")



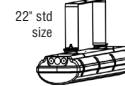
Swivel Double Pendant Kit
(2SPK12W, 2SPK24W,
2SPK48W)



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



Trunnion Mount Kit
(TM22BS14)

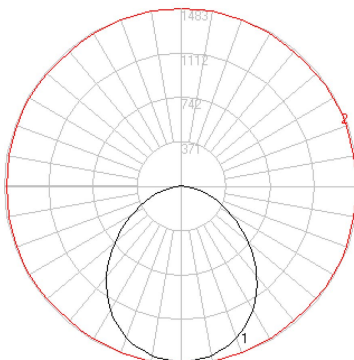


NOTE: When wall mounted, DAMP LOCATION LISTED
NOTE: CRD option required for all suspension mount kits

PHOTOMETRICS

BS101LEDECOE4HTHOWT40120-277V

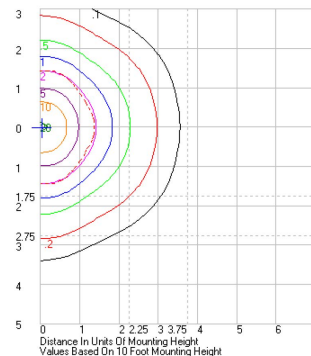
POLAR CURVES



Characteristics

Electronic driver	
LED 4000°K	
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4551
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	35
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.26
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	535.96	N.A.	11.80
0-30	1127.03	N.A.	24.80
0-40	1839.1	N.A.	40.40
0-60	3343.54	N.A.	73.50
0-80	4267.46	N.A.	93.80
0-90	4406.21	N.A.	96.80
10-90	4266.76	N.A.	93.80
20-40	1303.14	N.A.	28.60
20-50	2072.61	N.A.	45.50
40-70	2084.04	N.A.	45.80
60-80	923.92	N.A.	20.30
70-80	344.32	N.A.	7.60
80-90	138.75	N.A.	3.00
90-110	90.95	N.A.	2.00
90-120	118.25	N.A.	2.60
90-130	134.58	N.A.	3.00
90-150	144.20	N.A.	3.20
90-180	144.50	N.A.	3.20
110-180	53.54	N.A.	1.20
0-180	4550.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ILLUMINA® BS101LED ECO E

ENERGY CHART

MODEL	LENGTH	EFFICACY	CONSUMPTION WATTAGE	LUMEN OUTPUT	CRI	L70 (HRS) PROJECTED
BS101LED-ECO-E4HT-HO-WT40-120-277V	4 ft	130 lm/W	35	4551	>80	>60,000
BS101LED-ECO-E4HT-HO-WT50-120-277V	4 ft	130 lm/W	35	4551	>80	>60,000

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-HO	35	0.30	0.13	50/60	45	700

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

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