

Type: \_\_\_\_\_

Project: \_\_\_\_\_

# ILLUMINA®

TITLE 20 TITLE 24



## 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: 4090 lm
  - 5000K: 4156 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)
- **WEIGHT:** 9 lbs / 4.08 kg



**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

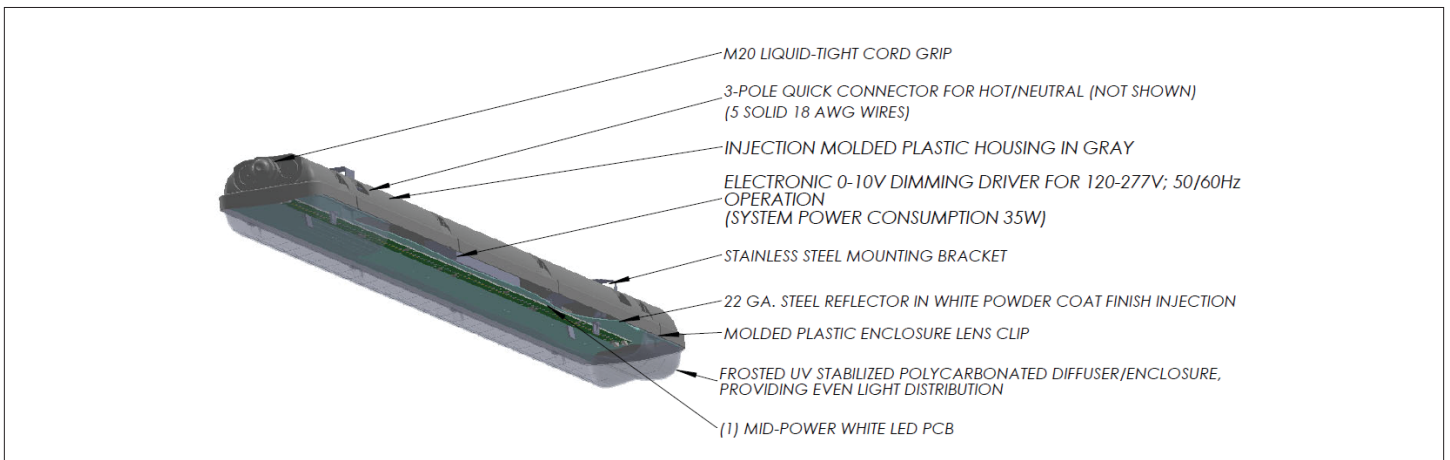
MODEL	LENGTH	OPERATION	OUTPUT	COLOR TEMP	INPUT	MOUNTING	OPTIONS
BS101LED ECO E	4 (ft)	HT (AC only)	HO	WT40 (4000K)	120-277V	blank (surface mount standard)	FP (fuse protection - 3A)
		SA <sup>1</sup> (AC & EM)		WT50 (5000K)			SP (surge protection - 10 KA)
						JM <sup>2</sup> (j-box mount)	SS (stainless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

### CONTROLS & ACCESSORIES

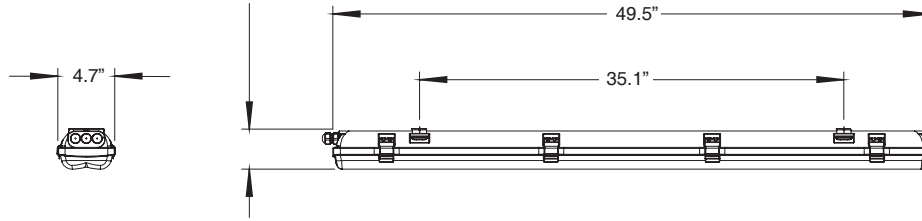
1PKxWBS14 <sup>3,4</sup> (single pivot kit, white x=length)	2CH48 <sup>4</sup> (48" chain hang kit, field cuttable)	QMBWBS14 <sup>5</sup> (quick mount bracket)
1SPKxWBS14 <sup>3,4</sup> (swivel pivot kit, white x=length)	2PKxW <sup>3,4</sup> (double stem pendant mount kit, white)	TPB (tamper proof bits)
2ACx <sup>4</sup> (aircraft cable, x=length)	2SPKxW <sup>3,4</sup> (swivel double stem pendant kit)	TM22BS14 <sup>4</sup> (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: Standard pendant lengths "x" = 12 (12"), 24 (24"), and 48 (48")  
 NOTE 4: Consult factory for non-standard lengths  
 NOTE 5: Quick Mount bracket requires JM mount

### TECHNICAL INFORMATION



## DIMENSIONS



## MOUNTING OPTIONS

<b>Surface Mount (standard)</b> 	<b>Aviation Cable Kit (2AC50, 2AC72)</b> 	<b>Chain Hang Kit (2CH48)</b> 	<b>Double Pendant Kit (2PK12W, 2PK24W, 2PK48W)</b> 	<b>J-Box &amp; Quick Mount Bracket Mount (JM, QMBWBS14)</b> 	
<b>Magnet Mount Kit MM</b> 	<b>Pivot Mount Kit PM</b> 	<b>Single Pendant Kit (1PKxWBS04 x=12", 24", 48")</b> 	<b>Swivel Double Pendant Kit (2SPK12W, 2SPK24W, 2SPK48W)</b> 	<b>Swivel Single Pendant Kit (1SPKxWBS04, x=12", 24", 48")</b> 	<b>Trunnion Mount Kit (TM22BS14)</b> 

**NOTE:** When wall mounted, DAMP LOCATION LISTED

## PHOTOMETRICS

### BS101LEDECOE4HTHOWT40120-277V

#### POLAR CURVES

**Characteristics**  
 Electronic driver  
 LED 4000°K  
 Lumens Per Lamp 4090  
 Total Lamp Lumens 4090  
 Luminaire Lumens 4090  
 Total Luminaire Efficiency 100 %  
 Luminaire Efficacy Rating (LER) 117  
 Total Luminaire Watts 35  
 Ballast Factor 1.00  
 CIE TypeDirect

#### ISOLINES

Zone	Lumens	%Lamp	%Fixt
0-20	495.51	12.10	12.10
0-30	1061.99	26.00	26.00
0-40	1758.93	43.00	43.00
0-50	3179.22	77.70	77.70
0-60	3997.38	97.70	97.70
0-70	4059.42	99.30	99.30
0-80	3932.03	96.10	96.10
0-90	1263.42	30.90	30.90
0-100	2002.43	49.00	49.00
0-110	1945.46	47.60	47.60
0-120	518.16	20.00	20.00
0-130	282.99	7.20	7.20
0-140	62.04	1.50	1.50
0-150	4.27	0.10	0.10
0-160	8.33	0.20	0.20
0-170	13.32	0.30	0.30
0-180	23.17	0.60	0.60
0-190	30.59	0.70	0.70
0-200	26.32	0.60	0.60
0-180	4090.00	100.00	100.00

Total Luminaire Efficiency = 100.00%

#### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80			70			50			30			10			0		
RW70	50	30	10	70	50	30	10	50	30	10	30	50	30	10	10	0		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	99	
1	109	104	99	96	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	79	68	60	54	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	49	43	39	37
7	64	50	42	35	62	50	41	35	48	40	35	46	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	35	29	25	23

# ILLUMINA® BS101LED-ECO-E

ADDITIONAL INFORMATION

## ENERGY CHART

MODEL	LENGTH	EFFICACY	CONSUMPTION WATTAGE	LUMEN OUTPUT	CRI	L70 (HRS) PROJECTED
BS101LED-ECO-E4HT-HO-WT40-120-277V	4 ft	117 lm/W	35	4090	>80	>100,000
BS101LED-ECO-E4HT-HO-WT50-120-277V	4 ft	119 lm/W	35	4156	>80	>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-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.