Type: _____

Project: _____

ILLUMINA®

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 @ 5786 - 6909 lm | HO: 60W @ 8679 - 10,351 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:** 10 lbs. / 4.54 kg.

APPLICATION: The **ILLUMINA® BS101LED** provides ideal illumination for canopies, warehouses, schools, breezeways and service corridors.

ORDERING INFORMATION

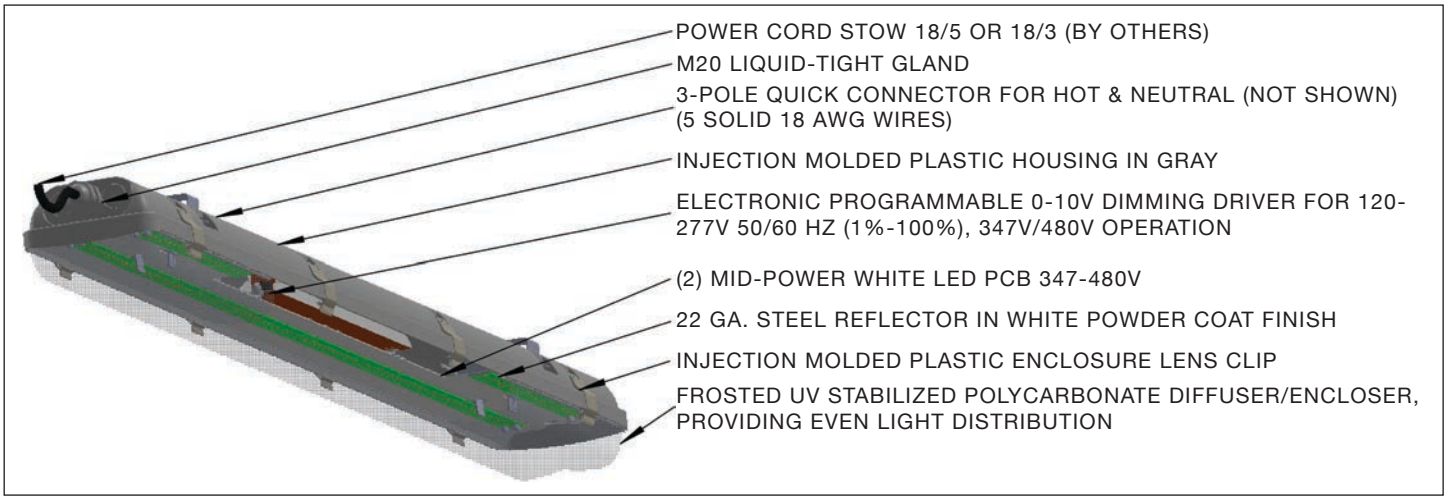
Example: BS101LED4 HT HO WT40 120-277V FSP221

MODEL	LENGTH	OPERATION	OUTPUT	COLOR TEMP	INPUT	MOUNTING	OPTIONS	
BS101LED	4 (ft)	HT (AC only)	LO	WT30 (3000K)	120-277V	blank	D (dali driver)	NOD[5] (integrated mode)
		SA[1] (AC & EM)	HO	WT35 (3500K)	347-480V	(surface mount standard)	FA[3] (fully assembled)	SP (surge protection - 10KA)
				WT40 (4000K)		JM[2] (j-box mount)	FP (fuse protection - 3A)	SS (stainless steel clips)
				WT50 (5000K)			OS[4,5] (external occ sensor)	TPS (tamper proof screws)

CONTROLS & ACCESSORIES		
1PKxWBS14[6,7] (single pendant kit, white, x=length)	2SPKxW[6,7] (swivel double stem pendant kit)	QMBWBS14[9] (quick mount bracket)
1SPKxWBS14[6,7] (swivel single pendant kit, white, x=length)	EMDCB[5] (BT wireless motion and lux sensor	RLY[5] (Beghelli lighting control module relay)
2ACx[7] (aircraft cable, x=length)	HHRFSIR[8] (handheld remote for FSP221)	SW1[5] (single BT rocker wall switch)
2CH48[7] (48" chain hang kit, field cuttable)	MLM1[8] (wireless motion and lux sensor	TM22BS14[7] (22" trunnion mount bracket)
2PKxW[6,7] (double stem pendant mount kit, white)	PM (pivot mount)	

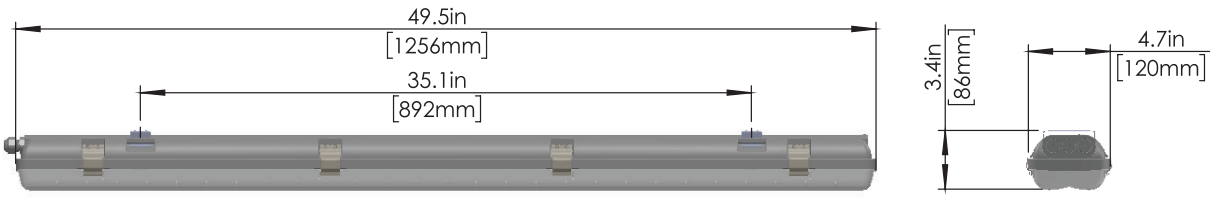
NOTE 1: Emergency pack 120-277V; 10W/ 1663 lm. CEC - Listed Title 20.
NOTE 2: The unit is no longer wet location, but damp location
NOTE 3: Includes latches, grommets,etc. installed at the factory for quick installation
NOTE 4: OS is std Beghelli sensor (Magnum OSM1, CRMB9, OSFSP221, SBOR and other sensors also available)
NOTE 5: Beghelli offers wireless and powerless control solutions, contact factory for more details
NOTE 6: Standard pendant lengths "x" = 12 (12"), 24 (24"), and 48 (48")
NOTE 7: Consult factory for non-standard lengths
NOTE 8: Handheld remote to adjust FSP221 occ sensor
NOTE 9: Quick Mount bracket requires JM mount; FA option recommended for maximum labor savings

TECHNICAL INFORMATION



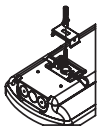
Beghelli reserves the right to change, without notice, specifications or materials that in our opinion will not alter the function or performance of the product. Technical specifications that appear on www.beghelliusa.com supersede all other versions existing in print or electronic form.

DIMENSIONS



MOUNTING OPTIONS

Surface Mount
(standard)

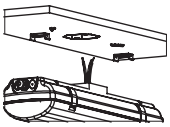


Aircraft Cable Kit
(2AC50, 2AC72)

Chain Hang Kit
(2CH48)

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

J-Box & Quick Mount Bracket Mount
(JQM)



J-box mount
(wet location)

Quick mount bracket
(wet location)

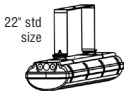
Pivot Mount Kit
PM

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
(TM22BS04)

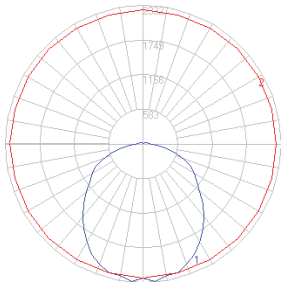


NOTE: When wall mounted, DAMP LOCATION LISTED

PHOTOMETRICS

BS101LED4HTLOWT40120-277V

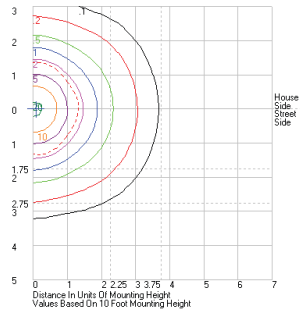
POLAR CURVES



Characteristics

Electronic driver	
LED 4000°K	
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6536
Total Luminaire Efficienc	N.A.
Luminaire Efficacy Rating (LER)	163
Total Luminaire Watts	40
Ballast Factor	1.00
CIE Type	Direct

ISOLINES



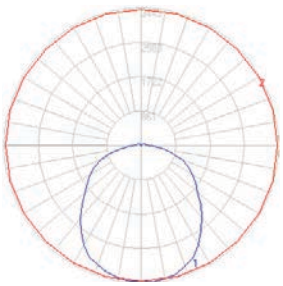
Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	824.88	N.A.	12.60
0-30	1750.24	N.A.	26.80
0-40	2856.94	N.A.	43.70
0-60	4944.93	N.A.	75.70
0-80	6165.99	N.A.	94.30
0-90	6373.82	N.A.	97.50
10-90	6159.65	N.A.	94.20
20-40	2032.06	N.A.	31.10
20-50	3146.71	N.A.	48.10
40-70	2840.74	N.A.	43.50
60-80	1221.05	N.A.	18.70
70-80	468.31	N.A.	7.20
80-90	207.84	N.A.	3.20
90-110	118.94	N.A.	1.80
90-120	144.13	N.A.	2.20
90-130	156.86	N.A.	2.40
90-150	162.02	N.A.	2.50
90-180	162.04	N.A.	2.50
110-180	43.10	N.A.	0.70
0-180	6535.86	N.A.	100.00

Total Luminaire Efficiency = N.A.%

BS101LED4HTHOWT40120-277V

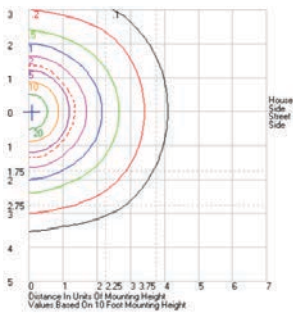
POLAR CURVES



Characteristics

Electronic driver	
LED 4000°K	
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9782
Total Luminaire Efficienc	N.A.
Luminaire Efficacy Rating (LER	163
Total Luminaire Watts	60
Ballast Factor	1.00
CIE Type	Direct

ISOLINES



Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1234.41	N.A.	12.60
0-30	2617.81	N.A.	26.80
0-40	4271.75	N.A.	43.70
0-60	7398.68	N.A.	75.60
0-80	9228.41	N.A.	94.30
0-90	9540.09	N.A.	97.50
10-90	9219.28	N.A.	94.20
20-40	3037.34	N.A.	31.00
20-50	4704.33	N.A.	48.10
40-70	4253.96	N.A.	43.50
60-80	1829.73	N.A.	18.70
70-80	702.70	N.A.	7.20
80-90	311.68	N.A.	3.20
90-110	178.64	N.A.	1.80
90-120	215.58	N.A.	2.20
90-130	234.55	N.A.	2.40
90-150	242.35	N.A.	2.50
90-180	242.38	N.A.	2.50
110-180	63.74	N.A.	0.70
0-180	9782.48	N.A.	100.00

Total Luminaire Efficiency = N.A.%

Beghelli reserves the right to change, without notice, specifications or materials that in our opinion will not alter the function or performance of the product. Technical specifications that appear on www.beghelliusa.com supersede all other versions existing in print or electronic form.

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	145 lm/W	40	5,786	>80	>60,000	>100,000
BS101LED-4HT-LO-WT35-120-277V	4 ft	154 lm/W	40	6.159	>80	>60,000	>100,000
BS101LED-4HT-LO-WT40-120-277V	4 ft	163 lm/W	40	6,536	>80	>60,000	>100,000
BS101LED-4HT-LO-WT50-120-277V	4 ft	173 lm/W	40	6,909	>80	>60,000	>100,000
BS101LED-4HT-HO-WT30-120-277V	4 ft	145 lm/W	60	8,679	>80	>60,000	>100,000
BS101LED-4HT-HO-WT35-120-277V	4 ft	154 lm/W	60	9,233	>80	>60,000	>100,000
BS101LED-4HT-HO-WT40-120-277V	4 ft	163 lm/W	60	9,782	>80	>60,000	>100,000
BS101LED-4HT-HO-WT50-120-277V	4 ft	173 lm/W	60	10,351	>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

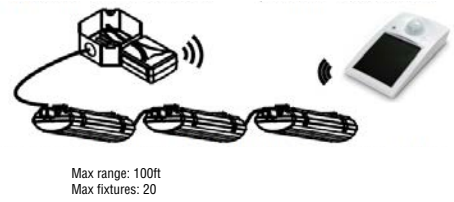
BEGHELLI LIGHTING CONTROL SOLUTIONS

DAISY CHAIN FIXTURES (RELAY)

RLY* Wireless Relay (Damp Location)

EMDCB* Remote Sensor (Damp Location)

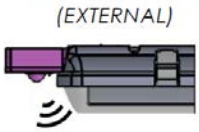
SW1* Single Switch (Damp Location)



Max range: 100ft
Max fixtures: 20

EXTERNAL NODE & SENSOR (OS)

OS (Beghelli standard) (Wet Location)



SW1* Single Switch (Damp Location)

External occ sensor options:
OSM1*, SBOR, CRMB9, **OSFSP221**, etc.

INTEGRATED NODE (NOD)

NOD* Node

EMDCB* Remote Sensor (Damp Location)

SW1* Single Switch (Damp Location)

* Magnum control options also available (RLYM1 relay, MLM1 sensor, SW1M1 switch, NODM1 node and OSM1 sensors)

**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.

Beghelli reserves the right to change, without notice, specifications or materials that in our opinion will not alter the function or performance of the product. Technical specifications that appear on www.beghelliusa.com supersede all other versions existing in print or electronic form.