

ILLUMINA®



BS101LED

- The **ILLUMINA® BS101LED** 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:** 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)
- **POWER FACTOR:** > 0.95
- **TOTAL HARMONIC DISTORTION (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

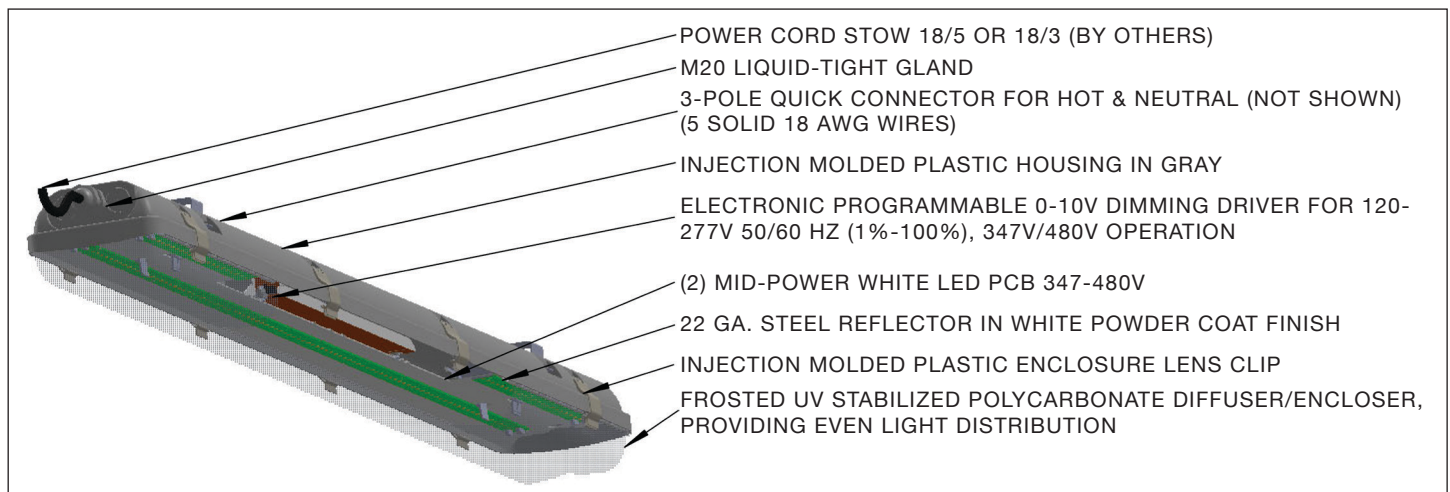
Example: BS101LED4 HT HO WT40 120-277V FSP221

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 ⁶ (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)			IS ^{4,6} (internal occ sensor) TPS (tamper proof screws) OS ^{5,6} (external occ sensor)
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 ⁸ (BT wireless motion and lux sensor)		RLY ⁶ (Beghelli lighting control module relay)			
2ACx ⁸ (aircraft cable, x=length)		HHRFSIR ⁹ (handheld remote for FSP221)		SW1 ⁶ (single BT rocker wall switch)			
2CH48 ⁸ (48" chain hang kit, field cuttable)		MLM1 ⁸ (wireless motion and lux sensor)		TM22BS14 ⁸ (22" trunion mount bracket)			
2PKxW ^{7,8} (double stem pendant mount kit, white)		PM (pivot mount)					

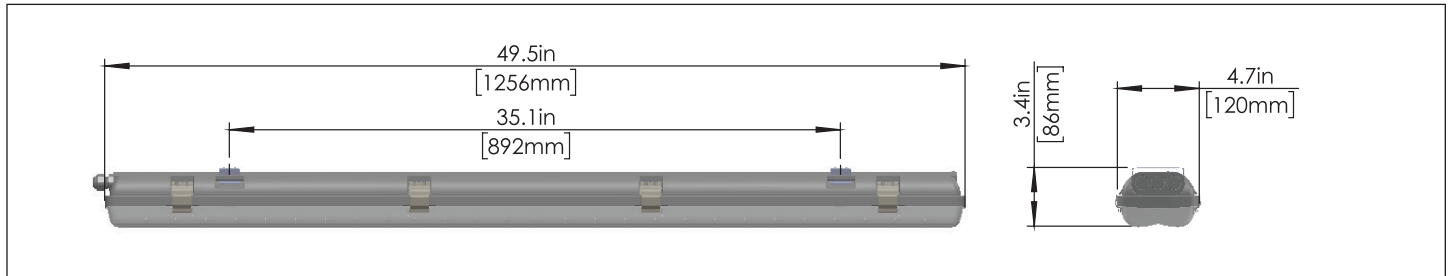
NOTE 1: Emergency pack 120-277V; 10W/ 1663 lm. CEC - Listed Title 20.
 NOTE 2: The unit is no longer wet location, but damp location
 NOTE 3: Includes latches, grommets, etc. installed at the factory for quick installation
 NOTE 4: IS is std Beghelli sensor, FSP221, Magnum ISM1 and other sensors also available
 NOTE 5: OS is std Beghelli sensor (Magnum OSM1, CRMB9, OSFSP221, SBOR and other sensors also available)

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: FSP221 and OSFSP221 require HHRFSIR handheld remote accessory
 NOTE 10: Quick Mount bracket requires JM mount; FA option recommended for maximum labor savings

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 (JQM) J-box mount (damp 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) 22" std size 	

NOTE: When wall mounted, DAMP LOCATION LISTED

PHOTOMETRICS

BS101LED4HTLOWT40120-277V	BS101LED4HTHOWT40120-277V																																																																																																																																																																								
POLAR CURVES 	POLAR CURVES 																																																																																																																																																																								
Characteristics Electronic driver LED 4000°K Lumens Per Lamp Total Lamp Lumens Luminaire Lumens Total Luminaire Efficiency Luminaire Efficacy Rating (LER) Total Luminaire Watts Ballast Factor CIE Type	Characteristics Electronic driver LED 4000°K Lumens Per Lamp Total Lamp Lumens Luminaire Lumens Total Luminaire Efficiency Luminaire Efficacy Rating (LER) Total Luminaire Watts Ballast Factor CIE Type																																																																																																																																																																								
<table border="1"> <tr><td>N.A. (absolute)</td><td></td></tr> <tr><td>N.A. (absolute)</td><td></td></tr> <tr><td>6536</td><td></td></tr> <tr><td>N.A.</td><td></td></tr> <tr><td>163</td><td></td></tr> <tr><td>40</td><td></td></tr> <tr><td>1.00</td><td></td></tr> <tr><td>Direct</td><td></td></tr> </table>	N.A. (absolute)		N.A. (absolute)		6536		N.A.		163		40		1.00		Direct		<table border="1"> <tr><td>N.A. (absolute)</td><td></td></tr> <tr><td>N.A. (absolute)</td><td></td></tr> <tr><td>9782</td><td></td></tr> <tr><td>N.A.</td><td></td></tr> <tr><td>163</td><td></td></tr> <tr><td>80</td><td></td></tr> <tr><td>1.00</td><td></td></tr> <tr><td>Direct</td><td></td></tr> </table>	N.A. (absolute)		N.A. (absolute)		9782		N.A.		163		80		1.00		Direct																																																																																																																																									
N.A. (absolute)																																																																																																																																																																									
N.A. (absolute)																																																																																																																																																																									
6536																																																																																																																																																																									
N.A.																																																																																																																																																																									
163																																																																																																																																																																									
40																																																																																																																																																																									
1.00																																																																																																																																																																									
Direct																																																																																																																																																																									
N.A. (absolute)																																																																																																																																																																									
N.A. (absolute)																																																																																																																																																																									
9782																																																																																																																																																																									
N.A.																																																																																																																																																																									
163																																																																																																																																																																									
80																																																																																																																																																																									
1.00																																																																																																																																																																									
Direct																																																																																																																																																																									
ISOLINES 	ISOLINES 																																																																																																																																																																								
Zonal Lumen Summary <table border="1"> <thead> <tr> <th>Zone</th> <th>Lumens</th> <th>%Lamp</th> <th>%Fixt</th> </tr> </thead> <tbody> <tr><td>0-20</td><td>824.88</td><td>N.A.</td><td>12.60</td></tr> <tr><td>0-30</td><td>1750.24</td><td>N.A.</td><td>26.80</td></tr> <tr><td>0-40</td><td>2856.94</td><td>N.A.</td><td>43.70</td></tr> <tr><td>0-60</td><td>4944.93</td><td>N.A.</td><td>75.70</td></tr> <tr><td>0-80</td><td>6165.99</td><td>N.A.</td><td>94.30</td></tr> <tr><td>0-90</td><td>6373.82</td><td>N.A.</td><td>97.50</td></tr> <tr><td>10-90</td><td>6158.65</td><td>N.A.</td><td>94.20</td></tr> <tr><td>20-40</td><td>2032.06</td><td>N.A.</td><td>31.10</td></tr> <tr><td>20-50</td><td>3146.71</td><td>N.A.</td><td>48.10</td></tr> <tr><td>40-70</td><td>2840.74</td><td>N.A.</td><td>43.50</td></tr> <tr><td>60-80</td><td>1221.05</td><td>N.A.</td><td>18.70</td></tr> <tr><td>70-80</td><td>468.31</td><td>N.A.</td><td>7.20</td></tr> <tr><td>80-90</td><td>207.84</td><td>N.A.</td><td>3.20</td></tr> <tr><td>90-110</td><td>118.94</td><td>N.A.</td><td>1.80</td></tr> <tr><td>90-120</td><td>144.13</td><td>N.A.</td><td>2.20</td></tr> <tr><td>90-130</td><td>156.86</td><td>N.A.</td><td>2.40</td></tr> <tr><td>90-150</td><td>162.02</td><td>N.A.</td><td>2.50</td></tr> <tr><td>90-180</td><td>162.04</td><td>N.A.</td><td>2.50</td></tr> <tr><td>110-180</td><td>43.10</td><td>N.A.</td><td>0.70</td></tr> <tr><td>0-180</td><td>6535.86</td><td>N.A.</td><td>100.00</td></tr> </tbody> </table> Total Luminaire Efficiency = N.A.%	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	6158.65	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	Zonal Lumen Summary <table border="1"> <thead> <tr> <th>Zone</th> <th>Lumens</th> <th>%Lamp</th> <th>%Fixt</th> </tr> </thead> <tbody> <tr><td>0-20</td><td>1234.41</td><td>N.A.</td><td>12.60</td></tr> <tr><td>0-30</td><td>2617.81</td><td>N.A.</td><td>26.80</td></tr> <tr><td>0-40</td><td>4271.75</td><td>N.A.</td><td>43.70</td></tr> <tr><td>0-60</td><td>7398.68</td><td>N.A.</td><td>75.60</td></tr> <tr><td>0-80</td><td>9228.41</td><td>N.A.</td><td>94.30</td></tr> <tr><td>0-90</td><td>9540.09</td><td>N.A.</td><td>97.50</td></tr> <tr><td>10-90</td><td>9219.28</td><td>N.A.</td><td>94.20</td></tr> <tr><td>20-40</td><td>3037.34</td><td>N.A.</td><td>31.00</td></tr> <tr><td>20-50</td><td>4704.33</td><td>N.A.</td><td>48.10</td></tr> <tr><td>40-70</td><td>4253.96</td><td>N.A.</td><td>43.50</td></tr> <tr><td>60-80</td><td>1829.73</td><td>N.A.</td><td>18.70</td></tr> <tr><td>70-80</td><td>702.70</td><td>N.A.</td><td>7.20</td></tr> <tr><td>80-90</td><td>311.68</td><td>N.A.</td><td>3.20</td></tr> <tr><td>90-110</td><td>178.64</td><td>N.A.</td><td>1.80</td></tr> <tr><td>90-120</td><td>215.58</td><td>N.A.</td><td>2.20</td></tr> <tr><td>90-130</td><td>234.55</td><td>N.A.</td><td>2.40</td></tr> <tr><td>90-150</td><td>242.35</td><td>N.A.</td><td>2.50</td></tr> <tr><td>90-180</td><td>242.38</td><td>N.A.</td><td>2.50</td></tr> <tr><td>110-180</td><td>63.74</td><td>N.A.</td><td>0.70</td></tr> <tr><td>0-180</td><td>9782.48</td><td>N.A.</td><td>100.00</td></tr> </tbody> </table> Total Luminaire Efficiency = N.A.%	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
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	6158.65	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																																																																																																																																																																						
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																																																																																																																																																																						

ILLUMINA® BS101LED

ADDITIONAL INFORMATION

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

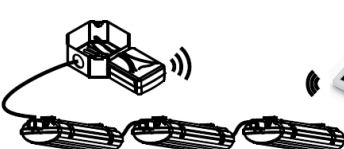


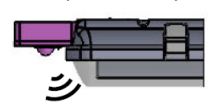

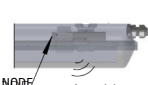




ELECTRICAL RATING

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)			EXTERNAL NODE & SENSOR (OS)	
<p>RLY* Wireless Relay (Damp Location)</p>  <p>Max range: 100ft Max fixtures: 20</p>	<p>EMDCB* Remote Sensor (Damp Location)</p> 	<p>SW1* Single Switch (Damp Location)</p> 	<p>OS (Beghelli standard) (Wet Location)</p> <p>(EXTERNAL)</p> 	<p>SW1* Single Switch (Damp Location)</p> 
<p>External occ sensor options: OSM1*, SBOR, CRMB9, OSFSP221, etc.</p>				
INTEGRATED NODE (NOD)			INTEGRATED NODE & SENSOR (IS)	
<p>NOD* Node</p> 	<p>EMDCB* Remote Sensor (Damp Location)</p> 	<p>SW1* Single Switch (Damp Location)</p> 	<p>IS (Beghelli standard) (Wet Location)</p> <p>Mounted on lens</p> 	<p>SW1* Single Switch (Damp Location)</p> 
<p>Internal occ sensor options: ISM1*, FSP221, etc.</p>				

* Magnum control options also available (RLYM1 relay, MLM1 sensor, SW1M1 switch, NODM1 node and ISM1 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.