

# ILLUMINA®

TITLE 20 TITLE 24



## BS100LED

- The **ILLUMINA®** BS100LED is corrosion, flame and vandal resistant.
- **HOUSING:** 100% UV stabilized polycarbonate, liquid silicone perimeter gasket with memory retention.
- **DIFFUSER:** Frosted UV stabilized polycarbonate diffuser, for even light distribution and color stabilization.
- **LUMEN:**

<b>2 FT</b>	<b>4 FT</b>
LO: 30W @ 3876 to 4635 lm	VLO: 30W @ 4375 to 5208 lm
MO: 40W @ 5176 to 6172 lm	LO: 40W @ 5555 to 6627 lm
HO*: 50W @ 6464 to 7716 lm	MO: 50W @ 6944 to 8284 lm
* 3000K qualifies for DLC std	HO: 60W @ 8318 to 9946 lm
	VHO: 70W 9714 to 11,589 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:** Power Factor > 0.95
- **TOTAL HARMONIC DISTORTION (THD):** < 20%
- **WEIGHT:** 2 FT: 5 lbs (2.3 kg) / 4FT: 10 lbs (4.5 kg)



**APPLICATION:** The **BS100LED** is ideal for various commercial applications including retail, industrial, parking garages, carport, parking structures, warehouses, breezeways, canopies, schools, and much more. It can be installed both indoor and outdoor.

### ORDERING INFORMATION

Example: BS100LED4 HT HO WT40 120-277V FSP221

MODEL	LENGTH	OPERATION	OUTPUT	COLOR TEMP	INPUT	MOUNTING	OPTIONS
BS100LED	2 (ft)	HT (AC only)	VLO <sup>1</sup>	WT30 (3000K)	120-277V	blank (surface mount standard)	BLK <sup>4</sup> (black housing, 4t only)
	4 <sup>1</sup> (ft)	SA <sup>2</sup> (AC & EM)	LO	WT35 (3500K)	347-480V		CRD <sup>5</sup> (black, 18AWG)
			MO	WT40 (4000K)		JM <sup>3</sup> (j-box mount)	D (dali 2)
			HO	WT50 (5000K)			FA <sup>6</sup> (fully assembled)
			VHO <sup>1</sup>				FP (fuse protection - 3A)
							TPS (tamper proof screws)
							IS <sup>7,9</sup> (internal occ sensor)

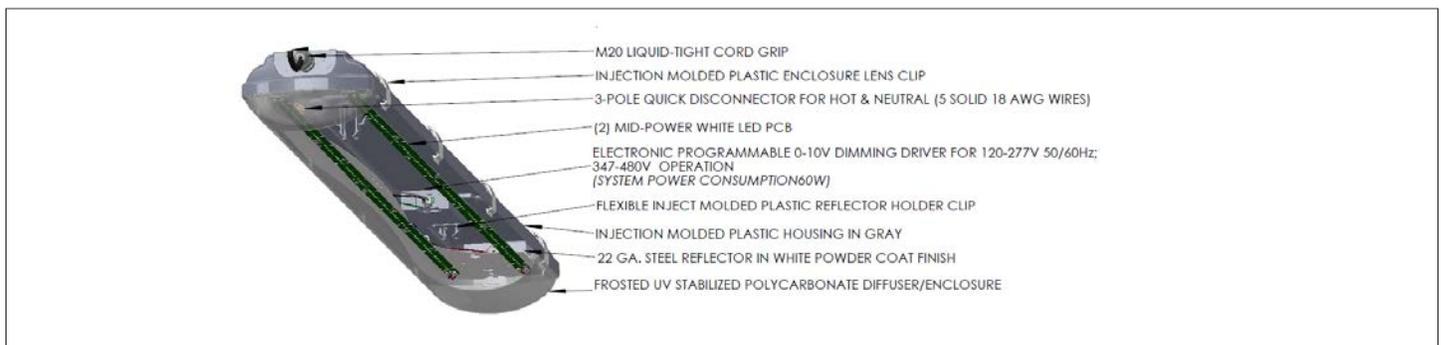
### CONTROLS & ACCESSORIES

1PKxWBS02 <sup>11,12</sup> (single pendant kit, 2' fixture, white, x=length)	2CH48 <sup>12</sup> (48" chain hang kit, field cuttable)	QMBWBS04 <sup>14</sup> (IP66 quick mount bracket, 4' fixture)
1PKxWBS04 <sup>11,12</sup> (single pendant kit, 4' fixture, white, x=length)	EMDCB <sup>9</sup> (BT wireless motion and lux sensor)	RLY <sup>9</sup> (wireless relay)
1SPKxWBS02 <sup>11,12</sup> (swivel single pendant kit, 2' fixture, white, x=length)	HHRFSIR <sup>10</sup> (handheld remote for FSP221)	SW1 <sup>9</sup> (single BT wireless switch)
1SPKxWBS04 <sup>11,12</sup> (swivel single pendant kit, 4' fixture, white, x=length)	MLM1 <sup>9</sup> (wireless motion and lux sensor)	TM22BS04 <sup>12</sup> (22" trunnion mount, 4' fixture)
2PKxW <sup>11,12</sup> (double pendant kit, white, x=length)	MM <sup>13</sup> (magnet mount)	
2SPKxW <sup>11,12</sup> (swivel double pendant kit, white, x=length)	PM (pivot mount)	
2ACx <sup>12</sup> (adjustable aircraft cable, x=length: 50=50", 72=72")	QMBWBS02 <sup>14</sup> (IP66 quick mount bracket, 2' fixture)	

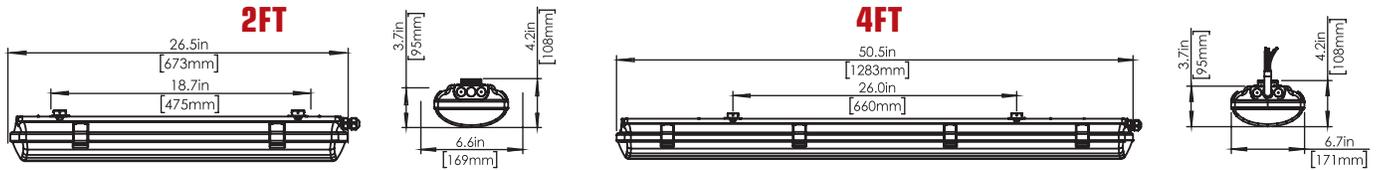
NOTE 1: VLO and VHO outputs available for 4ft only  
 NOTE 2: Title 20 emergency pack; 120/277V; 2FT: 7W/1022 lm; 4FT: 10W/1573 lm  
 NOTE 3: JM: direct j-box mount maintains fixture IP66 rating  
 NOTE 4: Contact factory for lead time  
 NOTE 5: Specify length for CRD, specify 3 or 5-conductor  
 NOTE 6: Includes latches, grommets, etc. installed at the factory for quick installation  
 NOTE 7: IS is std Beggelli sensor; FSP221, Magnum ISM1 and other sensors also available

NOTE 8: OS is std Beggelli sensor (Magnum OSM1, CRMB9, OSFSP221, SBOR and other sensors also available)  
 NOTE 9: Beggelli offers wireless and powerless control solutions, contact factory for more details  
 NOTE 10: FSP221 and OSFSP221 require HHRFSIR handheld remote accessory  
 NOTE 11: Standard pendant lengths "x" = 12 (12"), 24 (24") and 48 (48")  
 NOTE 12: Consult factory for non-standard lengths  
 NOTE 13: Magnetic mounts must be installed to steel beam measuring minimum 3/16" thick  
 NOTE 14: Quick Mount bracket requires JM mount; FA option recommended for maximum labor savings  
 NOTE: Red or green LED is available for horticultural applications

### TECHNICAL INFORMATION



## DIMENSIONS

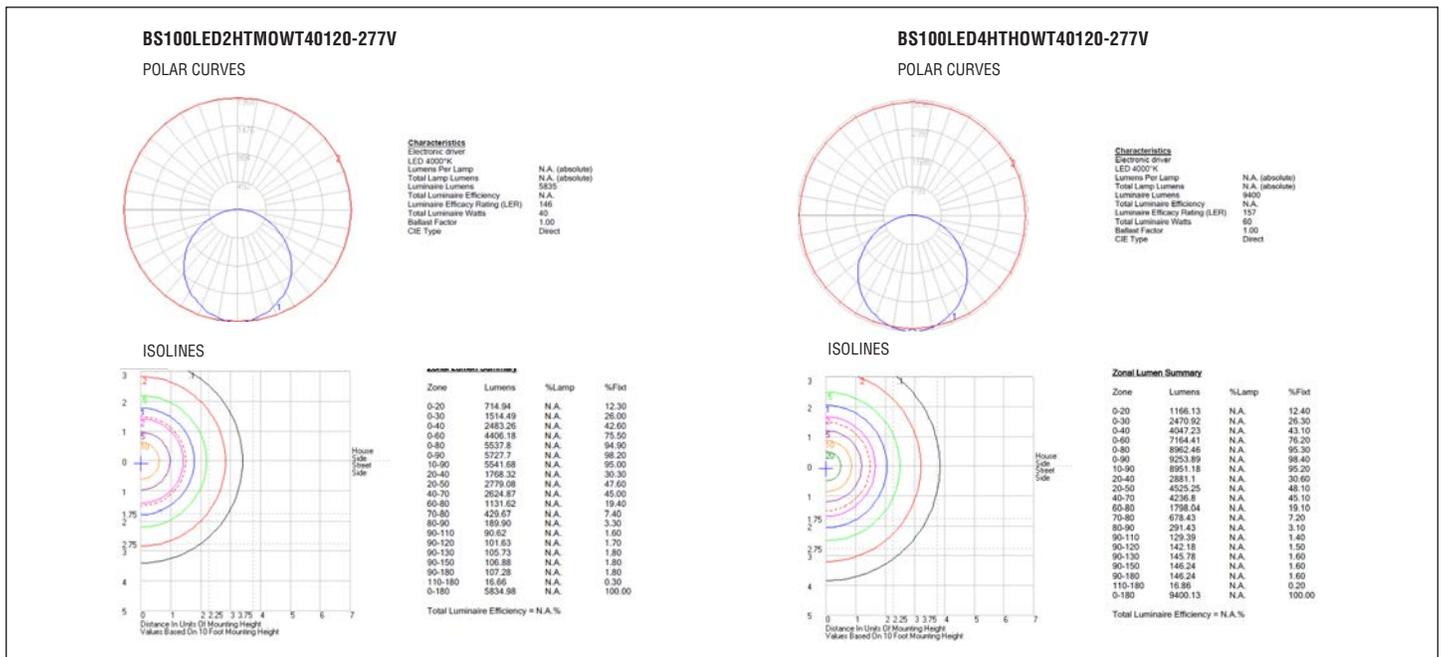


## MOUNTING OPTIONS & ACCESSORIES

<p>Surface Mount (standard)</p>	<p>Aviation Cable Kit (2AC50, 2AC72)</p>	<p>Chain Hang Kit (2CH48)</p>	<p>Double Pendant Kit (2PK12W, 2PK24W, 2PK48W)</p>	<p>J-Box &amp; Quick Mount Bracket Mount (JM)</p> <p>J-box mount (wet location)          Quick mount bracket (wet location)</p>	
<p>Magnet Mount Kit MM</p>	<p>Pivot Mount Kit PM</p>	<p>Single Pendant Kit (1PKxWBS04, x=12", 24", 48")</p>	<p>Swivel Double Pendant Kit (2SPK12W, 2SPK24W, 2SPK48W)</p>	<p>Swivel Single Pendant Kit (1SPKxWBS04, x=12", 24", 48")</p>	<p>Trunnion Mount Kit (TM22BS04)</p> <p>22" std size</p>

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

## PHOTOMETRICS



# ILLUMINA® BS100LED

ADDITIONAL INFORMATION

## ENERGY CHART

BS100LED-2HT-LO-WT35-120-277V

2 ft

138 lm/W

30

4130

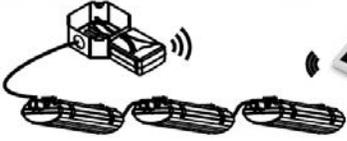
MODEL	LENGTH	EFFICACY	CONSUMPTION WATTAGE	LUMEN OUTPUT	CRI	L70 (HRS) TESTED	L70 (HRS) PROJECTED
<b>2FT</b>							
BS100LED 2HT LO WT30 120-277V	2 ft	129 lm/W	30	3876	>80	>60,000	>100,000
BS100LED-2HT LO WT35 120-277V	2 ft	138 lm/W	30	4130	>80	>60,000	>100,000
BS100LED 2HT LO WT40 120-277V	2 ft	146 lm/W	30	4381	>80	>60,000	>100,000
BS100LED 2HT LO WT50 120-277V	2 ft	155 lm/W	30	4635	>80	>60,000	>100,000
BS100LED 2HT MO WT30 120-277V	2 ft	129 lm/W	40	5176	>80	>60,000	>100,000
BS100LED 2HT MO WT35 120-277V	2 ft	138 lm/W	40	5503	>80	>60,000	>100,000
BS100LED 2HT MO WT40 120-277V	2 ft	146 lm/W	40	5835	>80	>60,000	>100,000
BS100LED 2HT MO WT50 120-277V	2 ft	154 lm/W	40	6172	>80	>60,000	>100,000
BS100LED 2HT HO WT30 120-277V	2 ft	129 lm/W	50	6464	>80	>60,000	>100,000
BS100LED 2HT HO WT35 120-277V	2 ft	138 lm/W	50	6881	>80	>60,000	>100,000
BS100LED 2HT HO WT40 120-277V	2 ft	146 lm/W	50	7301	>80	>60,000	>100,000
BS100LED 2HT HO WT50 120-277V	2 ft	154 lm/W	50	7716	>80	>60,000	>100,000
<b>4FT</b>							
BS100LED 4HT VLO WT30 120-277V	4 ft	146 lm/W	30	4375	>80	>60,000	>100,000
BS100LED 4HT VLO WT35 120-277V	4 ft	155 lm/W	30	4648	>80	>60,000	>100,000
BS100LED 4HT VLO WT40 120-277V	4 ft	165 lm/W	30	4937	>80	>60,000	>100,000
BS100LED 4HT VLO WT50 120-277V	4 ft	174 lm/W	30	5208	>80	>60,000	>100,000
BS100LED 4HT LO WT30 120-277V	4 ft	139 lm/W	40	5555	>80	>60,000	>100,000
BS100LED 4HT LO WT35 120-277V	4 ft	148 lm/W	40	5901	>80	>60,000	>100,000
BS100LED 4HT LO WT40 120-277V	4 ft	157 lm/W	40	6264	>80	>60,000	>100,000
BS100LED 4HT LO WT50 120-277V	4 ft	166 lm/W	40	6627	>80	>60,000	>100,000
BS100LED 4HT MO WT30 120-277V	4 ft	139 lm/W	50	6944	>80	>60,000	>100,000
BS100LED 4HT MO WT35 120-277V	4 ft	148 lm/W	50	7379	>80	>60,000	>100,000
BS100LED 4HT MO WT40 120-277V	4 ft	157 lm/W	50	7831	>80	>60,000	>100,000
BS100LED 4HT MO WT50 120-277V	4 ft	166 lm/W	50	8284	>80	>60,000	>100,000
BS100LED 4HT HO WT30 120-277V	4 ft	139 lm/W	60	8318	>80	>60,000	>100,000
BS100LED 4HT HO WT35 120-277V	4 ft	148 lm/W	60	8861	>80	>60,000	>100,000
BS100LED 4HT HO WT40 120-277V	4 ft	157 lm/W	60	9400	>80	>60,000	>100,000
BS100LED 4HT HO WT50-120-277V	4 ft	166 lm/W	60	9946	>80	>60,000	>100,000
BS100LED 4HT VHO WT30 120-277V	4 ft	139 lm/W	70	9714	>80	>60,000	>100,000
BS100LED 4HT VHO WT35 120-277V	4 ft	148 lm/W	70	10343	>80	>60,000	>100,000
BS100LED 4HT HO WT40 120-277V	4 ft	157 lm/W	70	10955	>80	>60,000	>100,000
BS100LED 4HT VHO WT50 120-277V	4 ft	166 lm/W	70	11589	>80	>60,000	>100,000

## ELECTRICAL RATING

## DIMMER COMPATIBILITY

PRODUCT	NOMINAL POWER (W)	AC CURRENT (A) AC VOLTAGE		FREQUENCY (HZ)	DC VOLTAGE (V)	DC CURRENT (MA)	DIMMER	COMPATABILITY	
		120 V	277 V					ON/OFF	DIMMING
<b>2FT</b>									
BS100LED-2HT-LO	30	0.26	0.11	50/60	45	600	LEVITON - AWRMG-7	YES	YES
BS100LED-2HT-MO	40	0.34	0.15	50/60	45	800	LUTRON - DIVE - DVSTV	YES	YES
BS100LED-2HT-HO	50	0.43	0.18	50/60	45	1000	LUTRON - DIVE - DVTV	YES	YES
<b>4FT</b>									
BS100LED-4HT-VLO	30	0.26	0.11	50/60	45	600	WATT STOPPER - DCLV1	YES	YES
BS100LED-4HT-LO	40	0.34	0.15	50/60	45	800	LEVITON - AWRMG-7	YES	YES
BS100LED-4HT-MO	50	0.43	0.18	50/60	45	1000	LUTRON - DIVE - DVSTV	YES	YES
BS100LED-4HT-HO	60	0.51	0.22	50/60	45	1200	LUTRON - DIVE - DVTV	YES	YES
BS100LED-4HT-VHO	70	0.59	0.26	50/60	45	1400	WATT STOPPER - DCLV1	YES	YES

## BEGHELLI LIGHTING CONTROL SOLUTIONS

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