Type: _____

Project: _____

BS100LED STEALTH

TITLE 20 TITLE 24 IK07 IP66 NSF BAA DLC LISTED PREMIUM DLC LISTED UL CERTIFIED

ILLUMINA®

- The **ILLUMINA®** **BS100LED STEALTH** is corrosion, flame and vandal resistant

- **HOUSING:** 100% UV stabilized polycarbonate, liquid silicone perimeter gasket with memory retention; Black housing with stainless steel clips is standard

- **DIFFUSER:** Frosted UV stabilized polycarbonate diffuser, for even light distribution and color stabilization

- **LUMEN:**   VLO: 30W @ 4375 to 5208 lm
  LO: 40W @ 5555 to 6627 lm
  MO: 50W @ 6944 to 8284 lm
  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:**   4FT: 10 lb (4.5 kg)

APPLICATION: The **BS100LED** STEALTH is ideal for various dark ceiling commercial applications including retail, industrial, parking garages, carports, 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 BLK SS

MODEL	LENGTH	OPERATION	OUTPUT	COLOR TEMP	INPUT	MOUNTING[1]	COLOR/CLIPS	OPTIONS	
BS100LED	4 (ft)	HT (AC only)	VLO=	WT30 (3000K)	120-277V	blank (surface mount standard)	BLK SS (black housing with stainless steel clips)	CRD[4] (black, 18AWG)	OS[7,8] (external occ sensor)
		SA[2] (AC & EM)	LO	WT35 (3500K)	347-480V			D (dali 2)	NOD[8] (integrated node)
			MO	WT40 (4000K)		JM[3] (j-box mount)		FA[5] (fully assembled)	SP (surge protection - 10KA)
			HO	WT50 (5000K)				FP (fuse protection - 3A)	TPS (tamper proof screws)
			VHO					IS[6,8] (internal occ sensor)	

CONTROLS & ACCESSORIES

1PKxBBS04[10,11] (single pendant kit, 4' fixture, black, x=length)	2CH48[11] (48" chain hang kit, field cuttable)	PM (pivot mount)
1SPKxBBS04[10,11] (swivel single pendant kit, 4' fixture, black, x=length)	EMDCB[8] (BT wireless motion and lux sensor)	QMBWBS04[13] (IP66 quick mount bracket, 4' fixture)
2PKxB[10,11] (double pendant kit, black, x=length)	HHRFSIR[9] (handheld remote for FSP221)	RLY[8] (wireless relay)
2SPKxB[10,11] (swivel double pendant kit, black, x=length)	MLM1[8] (wireless motion and lux sensor)	SW1[8] (single BT wireless switch)
2ACx[11] (adjustable aircraft cable, x=length: 50=50", 72=72")	MM[12] (magnet mount)	TM22BS04[11] (22" trunnion mount, 4' fixture)

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

NOTE 7: OS is std Beghelli sensor (Magnum OSM1, CRMB9, OSFSP221, SBOR and other sensors also available)
NOTE 8: Beghelli offers wireless and powerless control solutions, contact factory for more details
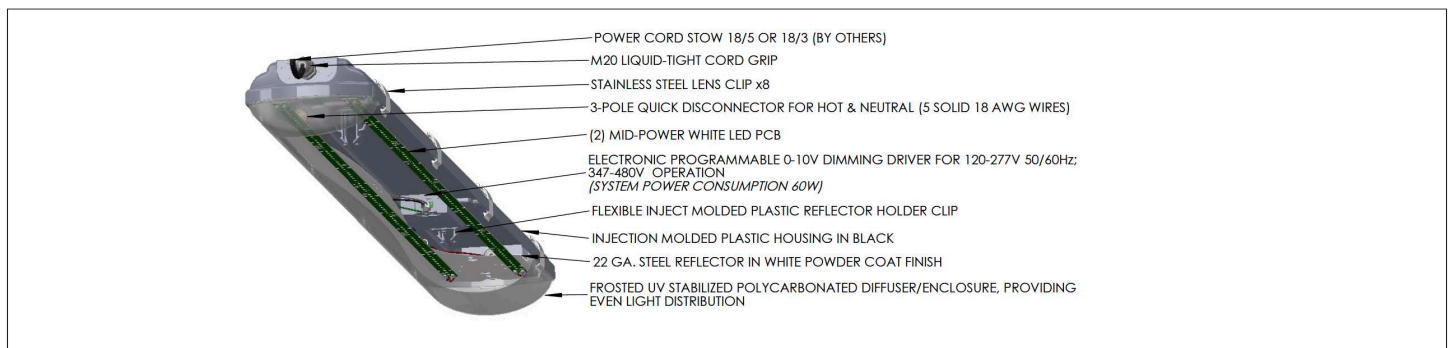NOTE 9: Adjusts settings for FSP221 and OSFSP221
NOTE 10: Standard pendant lengths "x" = 12 (12"), 24 (24") and 48 (48")
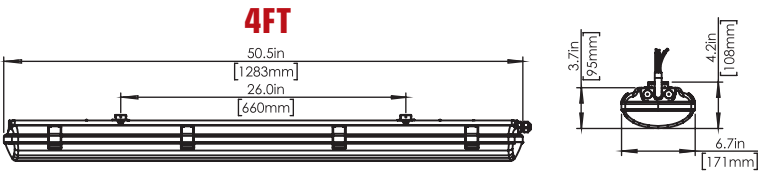NOTE 11: Consult factory for non-standard lengths
NOTE 12: Magnetic mounts must be installed to steel beam measuring minimum 3/16" thick
NOTE 13: Quick Mount bracket requires JM mount; FA option recommended for maximum labor savings

TECHNICAL INFORMATION

POWER CORD STOW 18/5 OR 18/3 (BY OTHERS)
M20 LIQUID-TIGHT CORD GRIP
STAINLESS STEEL LENS CLIP x8
3-POLE QUICK DISCONNECTOR FOR HOT & NEUTRAL (5 SOLID 18 AWG WIRES)
(2) MID-POWER WHITE LED PCB
ELECTRONIC PROGRAMMABLE 0-10V DIMMING DRIVER FOR 120-277V 50/60Hz; 347-480V OPERATION *(SYSTEM POWER CONSUMPTION 60W)*
FLEXIBLE INJECT MOLDED PLASTIC REFLECTOR HOLDER CLIP
INJECTION MOLDED PLASTIC HOUSING IN BLACK
22 GA. STEEL REFLECTOR IN WHITE POWDER COAT FINISH
FROSTED UV STABILIZED POLYCARBONATED DIFFUSER/ENCLOSURE, PROVIDING EVEN LIGHT DISTRIBUTION

DIMENSIONS

4FT

50.5in
[1283mm]

26.0in
[660mm]

3.7in
[95mm]

4.2in
[108mm]

6.7in
[171mm]

MOUNTING OPTIONS & ACCESSORIES

| Surface Mount (standard) | Aviation Cable Kit **(2AC50, 2AC72)** | Chain Hang Kit **(2CH48)** | Double Pendant Kit **(2PK12B, 2PK24B, 2PK48B)** | J-Box & Quick Mount Bracket Mount | |

(JM)

(JM w/ QMBWBS04)

J-box mount (wet location)

Quick mount bracket (wet location)

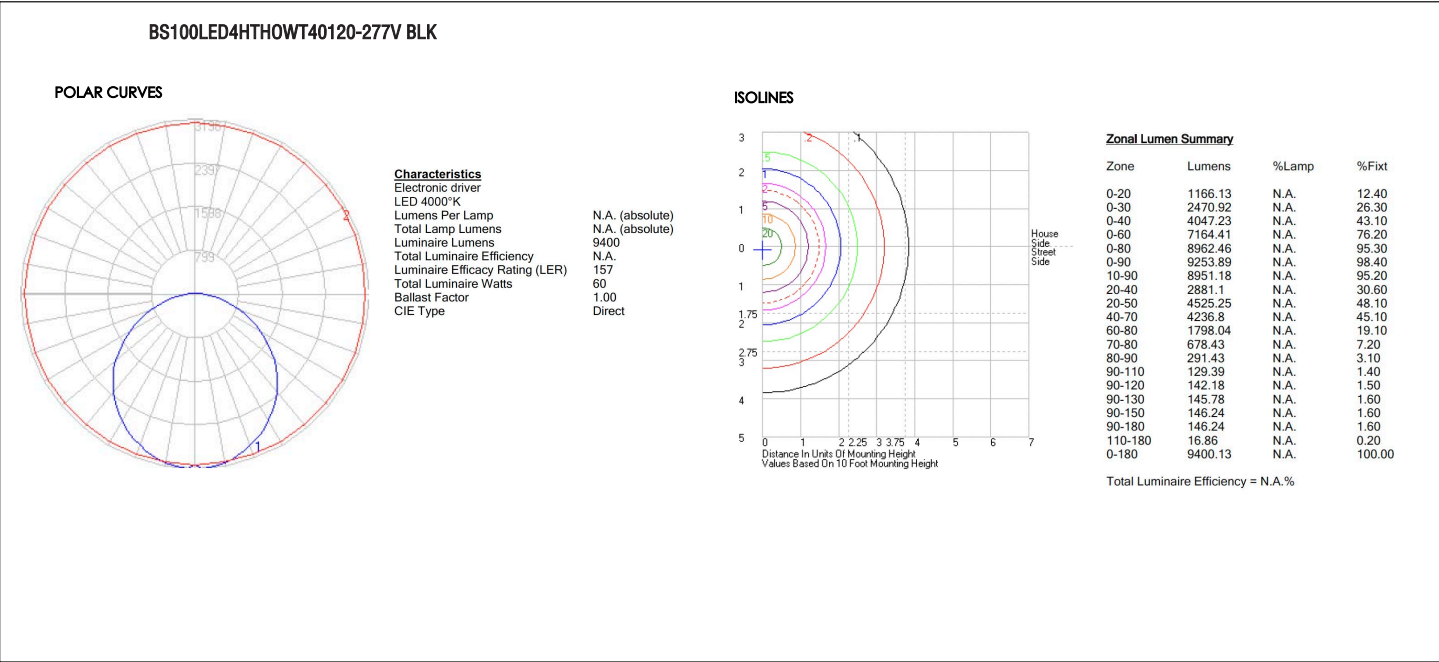| Magnet Mount Kit **MM** | Pivot Mount Kit **PM** | Single Pendant Kit **(1PKxBBS04, x=12", 24", 48")** | Single Double Pendant Kit **(2SPK12B, 2SPK24B, 2SPK48B)** | Swivel Single Pendant Kit **(1SPKxBBS04,x=12", 24", 48")** | Trunnion Mount Kit **(TM22BS04)** |

22" std size

NOTE: When wall mounted, DAMP LOCATION LISTED

PHOTOMETRICS

BS100LED4HTHOWT40120-277V BLK

POLAR CURVES

ISOLINES

House Side
Street Side

Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height

Characteristics
Electronic driver	
LED 4000°K	
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9400
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	60
Ballast Factor	1.00
CIE Type	Direct

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1166.13	N.A.	12.40
0-30	2470.92	N.A.	26.30
0-40	4047.23	N.A.	43.10
0-60	7164.41	N.A.	76.20
0-80	8962.46	N.A.	95.30
0-90	9253.89	N.A.	98.40
10-90	8951.18	N.A.	95.20
20-40	2881.1	N.A.	30.60
20-50	4525.25	N.A.	48.10
40-70	4236.8	N.A.	45.10
60-80	1798.04	N.A.	19.10
70-80	678.43	N.A.	7.20
80-90	291.43	N.A.	3.10
90-110	129.39	N.A.	1.40
90-120	142.18	N.A.	1.50
90-130	145.78	N.A.	1.60
90-150	146.24	N.A.	1.60
90-180	146.24	N.A.	1.60
110-180	16.86	N.A.	0.20
0-180	9400.13	N.A.	100.00

Total Luminaire Efficiency = N.A.%

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Beghelli

BS100LED STEALTH

ENERGY CHART

MODEL	LENGTH	EFFICACY	CONSUMPTION WATTAGE	LUMEN OUTPUT	CRI	L70 (HRS) TESTED	L70 (HRS) PROJECTED
BS100LED 4HT VLO WT30 120-277V BLK SS	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 BLK SS	4 ft	165 lm/W	30	4937	>80	>60,000	>100,000
BS100LED 4HT VLO WT50 120-277V BLK SS	4 ft	174 lm/W	30	5208	>80	>60,000	>100,000
BS100LED 4HT LO WT30 120-277V BLK SS	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 BLK SS	4 ft	157 lm/W	40	6264	>80	>60,000	>100,000
BS100LED 4HT LO WT50 120-277V BLK SS	4 ft	166 lm/W	40	6627	>80	>60,000	>100,000
BS100LED 4HT MO WT30 120-277V BLK SS	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 BLK SS	4 ft	157 lm/W	50	7831	>80	>60,000	>100,000
BS100LED 4HT MO WT50 120-277V BLK SS	4 ft	166 lm/W	50	8284	>80	>60,000	>100,000
BS100LED 4HT HO WT30 120-277V BLK SS	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 BLK SS	4 ft	157 lm/W	60	9400	>80	>60,000	>100,000
BS100LED 4HT HO WT50 120-277V BLK SS	4 ft	166 lm/W	60	9946	>80	>60,000	>100,000
BS100LED 4HT VHO WT30 120-277V BLK SS	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 VHO WT40 120-277V BLK SS	4 ft	157 lm/W	70	10955	>80	>60,000	>100,000
BS100LED 4HT VHO WT50 120-277V BLK SS	4 ft	166 lm/W	70	11589	>80	>60,000	>100,000

ELECTRICAL RATING
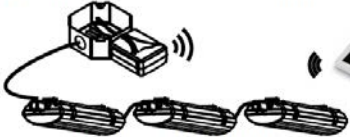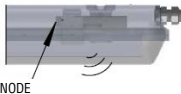
PRODUCT	NOMINAL POWER (W)	AC CURRENT (A) AC VOLTAGE 120 V	277 V	FREQUENCY (HZ)	DC VOLTAGE (V)	DC CURRENT (MA)
BS100LED 4HT VLO	30	0.26	0.11	50/60	45	600
BS100LED 4HT LO	40	0.34	0.15	50/60	45	800
BS100LED 4HT MO	50	0.43	0.18	50/60	45	1000
BS100LED 4HT HO	60	0.51	0.22	50/60	45	1200
BS100LED 4HT VHO	70	0.59	0.26	50/60	45	1400

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)

RLY* Wireless Relay (Damp Location)	**EMDCB*** Remote Sensor (Damp Location)	**SW1*** Single Switch (Damp Location)	**OS** (Beghelli standard) (Wet Location)	**SW1*** Single Switch (Damp Location)

Max range: 100ft
Max fixtures: 20

(EXTERNAL)

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

INTEGRATED NODE (NOD)	INTEGRATED NODE & SENSOR (IS)

NOD* Node	**EMDCB*** Remote Sensor (Damp Location)	**SW1*** Single Switch (Damp Location)	**IS** (Beghelli standard) (Wet Location)	**SW1*** Single Switch (Damp Location)

NODE

Mounted on lens

Internal occ sensor options:
ISM1*, FSP221, etc.

* 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