ACCIAIO® 920

TITLE **20** TITLE **24** IK09 NEMA **4X** IP66 BAA DLC LISTED PREMIUM UL CERTIFIED

BX920LED

■ **ACCIAIO® BX920LED** is an industrial grade lighting solution that features easily upgradeable technology, convenient installation and a robust design that is ideal for most commercial and light industrial applications

■ **HOUSING:** 24 gauge steel construction with die-cast aluminum endcaps. Finished with zinc enriched polyester white powder coat

■ **DIFFUSER:** Impact resistant 4 mm frosted polycarbonate diffuser with pressed silicone gasket is integrated into the housing for optimal ingress protection

■ **LUMENS:**
  • LO: 6900 to 7300 lm
  • HO: 11000 to 11700 lm

■ **OPERATING TEMP:**
  • HT (AC Only) -40°C to 40°C (-40°F to 104°F)
  • SA (AC & EM) 0°C to 35°C (32°F to 95°F)

■ **WEIGHT:** 17 LBS / 7.7 KG

■ **APPLICATION:** The **ACCIAIO® BX920LED** is a versatile luminaire ideal for a wide range of applications including: warehouses, parking decks, breezeways, canopies, service corridors, loading docks, farms, car washes and pool areas

■ **INTERNAL:** 0-10V dimming driver (1% - 100%), 120-277V or 347-480V input. Dual mid-power white LED, >80CRI. All components mounted to a 22 gauge steel reflector with white powder coat finish. Optional integrated emergency pack provides 1463 lumens during power failure.

ORDERING INFORMATION

MODEL	LENGTH	OPERATION	OUTPUT	COLOR TEMP	INPUT	LENS	MOUNTING	FINISH
BX920LED	4 (ft)	HT (AC only)	LO	WT30 (3000K)	120-277V	PC (polycarbonate)	blank (surface mount std)	WHT (white)
		SA[1] (AC & EM)	HO	WT35 (3500K)	347-480V		CRM[2]	
				WT40 (4000K)			(continuous row mount)	**OPTIONS**
				WT50 (5000K)			RM[2] (row mount)	BAA (made in America)
								EM[4] (field installation remote mounted)
								FP (fuse protection - 3A)

CONTROLS & ACCESSORIES

2ACx[7] (adjustable aviation cable, x=length: 50=50", 72=72")	HHRFSIR[9] (remote for FSP221)	SW1[5] (single BT rocker wall switch)
2CH48[7] (48" chain hang kit, field cuttable)	MLM1[5] (wireless motion and lux sensor)	
2PKxW[7,8] (double pendant kit, white, x=length)	PM (aimable pivot mount)	
EMDCB[5] (BT wireless motion & lux sensor)	RLY[5] (wireless relay)	

OPTIONS (continued):
NOD[5] (integrated node)
OS[5,6] (external occupancy sensor)
SP (surge protection - 10KA)

NOTE 1: Emergency pack T20, 120-277V, 10W, 1463 lm
NOTE 2: Maximum run distance 100 ft, only for chain and aircraft cable
NOTE 4: Field Installation Emergency Pack T20, 120-277V, 10W, 1305 lm
NOTE 5: Beghelli offers wireless & powerless control solutions, contact factory for more details
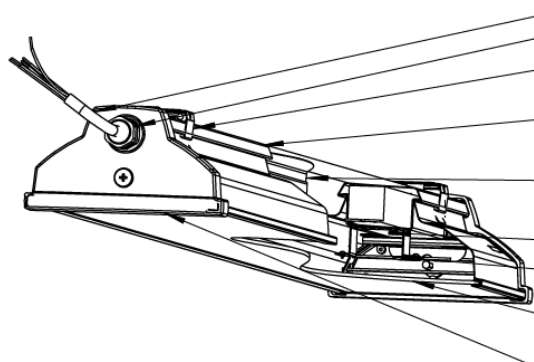
NOTE 6: OS is std Beghelli sensor (Magnum OSM1, CRMB9, OSFSP221, SBOR & other sensors also available)
NOTE 7: Consult factory for non-standard lengths
NOTE 8: Standard pendant lengths "x" = 12 (12"), 24 (24") and 48 (48")
NOTE 9: OSFSP221 requires HHRFSIR handheld remote accessory

TECHNICAL INFORMATION

72" BLACK, 18AWG, 600V, 5-CONDUCTOR CORD

M20 LIQUID-TIGHT CORD GRIP

STAINLESS STEEL SURFACE MOUNTING CLIP (OTHER MOUNTING OPTIONS ARE AVAILABLE)

24 GA. STEEL HOUSING WITH WHITE POWDER COATED FINISH

ELECTRONIC PROGRAMMABLE 0-10V DIMMING DRIVER FOR 120-277V (1%-100%) OR 347-480V (1%-100%) OPERATION

22 GA. STEEL REFLECTOR IN WHITE POWDER COATED FINISH

(2) MID-POWER WHITE LED PCB

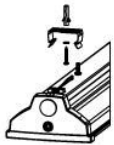4mm FROSTED POLYCARBONATE LENS; SEALED WITH SILICONE GASKET

DIE CAST ALUMINUM END CAP WITH SILICONE GASKET AND SECURED SCREW WITH WHITE POWDER COATED FINISH

DIMENSIONS

51.6in
[1309mm]

42.0in
[1067mm]

Top of Mounting Bracket

3.6in
[91mm]

6.6in
[169mm]
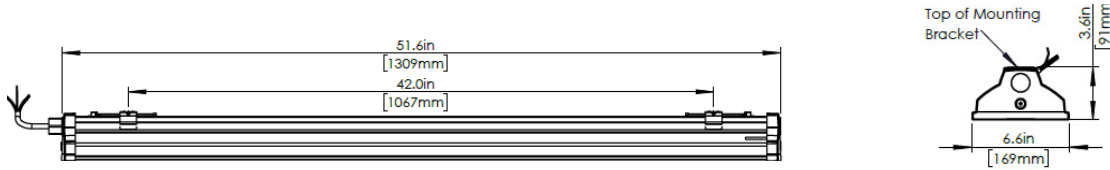
MOUNTING OPTIONS

SURFACE MOUNTING
(standard)
(hardware by others)

Aviation Cable Kit
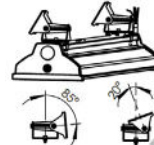**(2AC50, 2AC72)**

Chain Hang Kit
(2CH48)

Continuous Row Mount
(CRM)
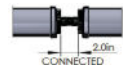
2.0in
CONNECTED
(Max. run distance 100ft)
(Only for chain & aircraft cable)

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

Pivot Mount
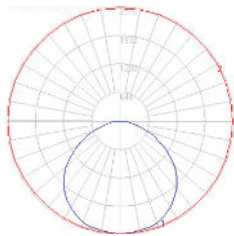**(PM)**

85°

Row Mount
(RM)

Varies

(Max. run distance 100ft)
(Only for chain & aircraft cable)

PHOTOMETRICS

BX920LED 4HT LO WT40 120-277V
POLAR CURVES

Characteristics
Electronic driver
LED 4000°K

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumen	N.A. (absolute)
Luminaire Lumen	7317
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	50
Ballast Factor	1.00
CIE Type	Direct

ISOLINES

House Side
Street Side
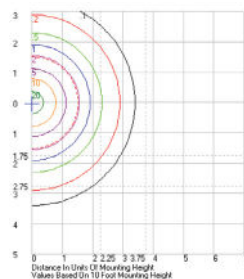
Zonal Lumen Summary

Zone	Lumen	%Lamp	%Fixt
0-20	945.75	N.A.	12.90
0-30	2033.56	N.A.	27.80
0-40	3365.05	N.A.	46.00
0-60	5974.6	N.A.	81.70
0-80	7246.79	N.A.	99.00
0-90	7316.65	N.A.	100.00
10-90	7074.7	N.A.	96.70
20-40	2419.3	N.A.	33.10
20-50	3808.88	N.A.	52.10
40-70	3471.92	N.A.	47.50
60-80	1272.19	N.A.	17.40
70-80	409.82	N.A.	5.60
80-90	69.86	N.A.	1.00
90-110	0.06	N.A.	0.00
90-120	0.06	N.A.	0.00
90-130	0.06	N.A.	0.00
90-150	0.07	N.A.	0.00
90-180	0.07	N.A.	0.00
110-180	0.01	N.A.	0.00
0-180	7316.73	N.A.	100.00

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

Total Luminaire Efficiency = N.A.%

BX920LED 4HT HO WT40 120-277V
POLAR CURVES
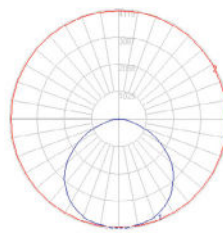
Characteristics
Electronic driver
LED 4000°K

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumen	N.A. (absolute)
Luminaire Lumen	11704
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	80
Ballast Factor	1.00
CIE Type	Direct

ISOLINES

House Side
Street Side
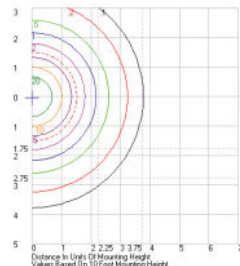
Zonal Lumen Summary

Zone	Lumen	%Lamp	%Fixt
0-20	1515.63	N.A.	13.00
0-30	3256.13	N.A.	27.80
0-40	5387.14	N.A.	46.00
0-60	9558.68	N.A.	81.70
0-80	11591.66	N.A.	99.00
0-90	11703.56	N.A.	100.00
10-90	11316.17	N.A.	96.70
20-40	3871.51	N.A.	33.10
20-50	6094.95	N.A.	52.10
40-70	5549.01	N.A.	47.40
60-80	2032.98	N.A.	17.40
70-80	655.52	N.A.	5.60
80-90	111.90	N.A.	1.00
90-110	0.09	N.A.	0.00
90-120	0.09	N.A.	0.00
90-130	0.09	N.A.	0.00
90-150	0.10	N.A.	0.00
90-180	0.10	N.A.	0.00
110-180	0.02	N.A.	0.00
0-180	11703.67	N.A.	100.00

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

Total Luminaire Efficiency = N.A.%

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Beghelli LUCE

ACCIAIO® BX920LED

ENERGY CHART

MODEL	LENGTH	EFFICACY	CONSUMPTION WATTAGE	LUMEN OUTPUT	CRI	L70 (HRS)
BX920LED 4HT LO WT40 120-277V	4 ft	138 LPW	50	6912-7317	>80	>100,000
BX920LED 4HT HO WT40 120-277V	4 ft	146 LPW	80	11065-11704	>80	>100,000
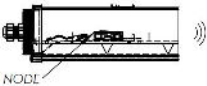
ELECTRICAL RATING

PRODUCT	NOMINAL POWER (W)	AC CURRENT (A) AC VOLTAGE				FREQUENCY (HZ)	DC VOLTAGE (V)	DC CURRENT (MA)
		120V	277V	347V	480V			
BX920LED 4HT LO	50	0.43	0.18	0.15	0.11	50/60	46	1000
BX920LED 4HT HO	80	0.68	0.29	0.24	0.17	50/60	46	1600

DIMMER COMPATIBILITY

DIMMER	COMPATABILITY	
	ON/OFF	DIMMING
LEVITON - AWRMG-7DW	YES	YES
LUTRON - IP710-DL	YES	YES
LUTRON - 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: 100 ft
Max fixtures: 21

EXTERNAL NODE & SENSOR (OS)

OS (Beghelli Standard)
(Wet Location)

SW1*
Single Switch
(Damp Location)

(EXTERNAL KNOCKOUT)

External occ sensor options:
OSM1* sensor, MLM1 sensor, etc.)

INTEGRATED NODE (NOD)

NOD*
Node

EMDCB*
Remote Sensor
(Damp Location)

SW1*
Single Switch
(Damp Location)

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

**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.