ACCIAIO® 920

BX920LED

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

■ **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 powder coat grey (RAL7040) or white (RAL9006). Optional 24 gauge stainless steel housing is available.

■ **DIFFUSER:** Impact resistant 4mm frosted polycarbonate diffuser with pressed silicone gasket is integrated into the housing for optimal ingress protection. An optional 4mm prismatic tempered glass diffuser is available.

■ **LUMENS:**
  • LO: 6900 to 7300 lm
  • HO: 11,000 to 11,700 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.

CONFIGURATIONS

MODEL	LENGTH	OPERATION	OUTPUT	COLOR TEMP	INPUT	MOUNTING	OPTIONS
BX920LED	4 (ft)	HT (AC only)	LO	WT30 (3000K)	120-277V	AC[2] (aviation cable)	BAA (made in America)
		SA[1] (AC & EM)	HO	WT40 (4000K)	347-480V	AM (aimable mount)	D (dali)
				WT50 (5000K)		CH[3] (chain hang kit)	EM[5] (field installation remote mounted)
						CRM (continuous row mount)	EOS (external occupancy sensor)
						PK[4] (pendant kit)	FP (fuse protection - 3A)
						RM (row mount)	GL (glass lens)
						SEISM (seismic bracket)	LOG (Logica - contact factory)
						TM[3] (trunion mount)	PC (polycarbonate lens)
							PGL (primatic tempered glass lens)
							SP (surge protection - 10KA)
							SS (stainless steel)
							WHT (white housing)
							WG (wire guard)

NOTE 1: Emergency pack T20, 120-277V, 10W, 1463 lm
NOTE 2: Specify length for AC: 50", 72", 100", 150", 250", specify for others.
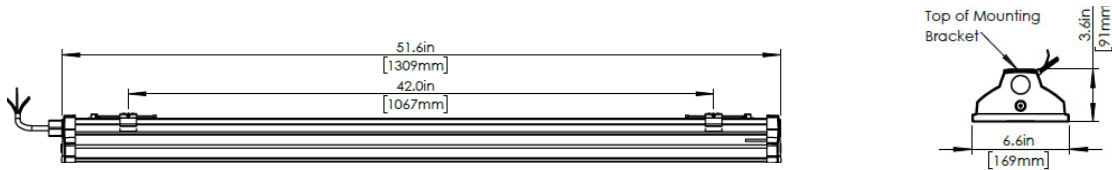NOTE 3: CH, TM options specify length

NOTE 4: Specify length for PK:12", 24", 48", specify for others. Stem length varies. J-box by others.
NOTE 5: T20, 120-277V, 10W, 1305 lm

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. STAINLESS STEEL HOUSING OR 24 GA. STEEL HOUSING WITH ZINC EN-RICHED POLYESTER GREY (RAL7040) OR WHITE POWDER COATED FINISH

ELECTRONIC PROGRAMMABLE 0-10V DIMMING DRIVER FOR 120-277V (1%-100%) OR 347-480V (1%-100%) OPERATION (SYSTEM POWER CONSUMPTION 80W)

22 GA. STEEL REFLECTOR IN WHITE POWDER COAT FINISH

(2) MID-POWER WHITE LED PCB

4mm FROSTED POLYCARBONATE LENS; SEALED WITH SILICONE GASKET (OPTION- AL TEMPERED GLASS DIFFUSER WITH MICRO-PRISMATIC LIGHT DISTRIBUTION)

DIE CAST ALUMINUM END CAP WITH SILICONE GASKET AND SECURED SCREW; WITH ZINC ENRICHED GREY (RAL7040) OR WHITE POWDER COATED FINISH

DIMENSIONS

51.6in [1309mm]

42.0in [1067mm]

Top of Mounting Bracket

3.6in [91mm]

6.6in [169mm]

MOUNTING OPTIONS

AC
(Aviation Cable)

AM
(Aimable Mount)

85° 20°

CH
(Chain Hang Kit)

CRM
(Continuous Row Mount)

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

PK
(Pendant Kit)

RM
(Row Mount)

Varies

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

SEISM
(Seismic Bracket)

TM
(Trunnion Mount)

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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ACCIAIO® BX920LED

ENERGY CHART

MODEL	LENGTH	EFFICACY	CONSUMPTION WATTAGE	LUMEN OUTPUT	CRI	L70 (HRS)
BX920LED-4HT-LO-WT40-120-277V	4 ft	138 lm/W	50	6912-7317	>80	>100,000
BX920LED-4HT-HO-WT40-120-277V	4 ft	146 lm/W	80	11,065-11,704	>80	>100,000

ELECTRICAL RATING

PRODUCT	NOMINAL POWER (W)	AC CURRENT (A) AC VOLTAGE		FREQUENCY (HZ)	DC VOLTAGE (V)	DC CURRENT (MA)
		120V	277V			
BX920LED-4HT-LO	50	0.42	0.18	50/60	33	1000
BX920LED-4HT-HO	80	0.67	0.29	50/60	33	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

■ **WARRANTY:** 5 years, see website for full warranty details.