

Type: _____

Project: _____

ACCIAIO® 910

TITLE
24



BX910LED

■ **ACCIAIO® BX910LED** is an industrial grade vapor tight 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 housing or optional 24 gauge stainless steel housing, zinc enriched polyester powder coat in grey (RAL7040) or white (RAL9004). Die-cast aluminum end caps.

■ **DIFFUSER:** 4mm impact resistant frosted polycarbonate diffuser with a sealed perimeter silicone gasket for optimum ingress protection.

LUMENS:	2FT	4FT
LO:	2600 to 2700 lm	LO: 4100 to 4400 lm
HO:	3900 to 4100 lm	HO: 6900 to 7300 lm
		VHO: 8300 to 8800 lm

■ **OPERATING TEMP:**

- HT (AC Only) -40°C to 50°C (-40°F to 122°F)
- SA (AC & EM) 0°C to 35°C (32°F to 95°F)

■ **WEIGHT:**

- 2FT: 5 lbs / 2.27 kg
- 4FT: 10 lbs / 4.54 KG



■ **APPLICATION:** The **ACCIAIO® BX910LED** 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 347V input. Dual mid-power white LED, >80CRI. All components mounted to 24 gauge steel housing with white powder coat finish. Removable gear tray allows for convenient service & ability to upgrade performance.

CONFIGURATIONS

MODEL	LENGTH	OPERATION	OUTPUT	COLOR TEMP	INPUT	LENS	MOUNTING	OPTIONS ⁵
BX910LED	2 (ft)	HT (AC only)	LO	WT30 (3000K)	120-277V	PC	blank (surface mount std)	BAA (made in America)
	4 (ft)	SA ¹ (AC & EM)	HO	WT40 (4000K)	347V	(polycarbonate)	CRM ³	EM ⁴ (field installation remote mounted)
			VHO ²	WT50 (5000K)			(continuous row mount)	FP (fuse protection - 3A)
						RM ³ (row mount)	GL (prismatic glass lens)	

CONTROLS & ACCESSORIES

2ACx ⁸ ((adjustable aviation cable, x=length: 50=50", 72=72")	MLM1 ⁶ (wireless motion and lux sensor	SBXS (seismic bracket)	NOD ⁶ (integrated node)
2CH48 ⁹ (48" chain hang kit, field cuttable)	PM (aimable pivot mount)	SW1 ⁶ (single BT rocker wall switch)	OS ^{6,7} (external occupancy sensor)
2PKxW ^{8,9} (double pendant kit, white, x=length)	RLY ⁶ (wireless relay)	TM22BS04 ⁸ (22" trunion mount)	SP (surge protection - 10KA)
EMDCB ⁶ (BT wireless motion & lux sensor)			SS (stainless steel)
			WHT (white housing)

NOTE 1: Integrated Emergency Pack: T20, 120-277V; 10W, 1368 (2ft) + 1461 (4ft) lumens.

NOTE 2: VHO only available for 4ft.

NOTE 3: Maximum run distance 100ft, only for chain & aircraft cable

NOTE 4: Field Installation Emergency Pack: T20, 120-277V, 10W, 1305 lumens

NOTE 5: Gray housing is standard

NOTE 6: Beggelli offers wireless & powerless control solutions, contact factory for more details

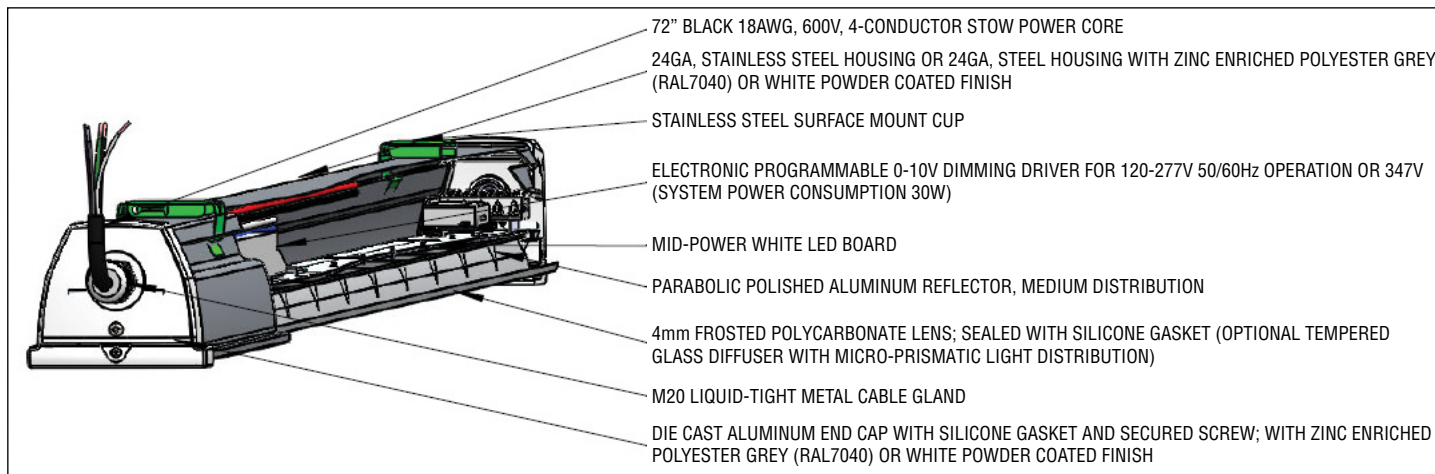
NOTE 7: OS is std Beggelli sensor (Magnum OSM1, CRMB9, OSFSP221, SBOR & other sensors also available)

NOTE 7: Field Installation Emergency Pack: T20, 120-277V, 10W, 1305 lumens.

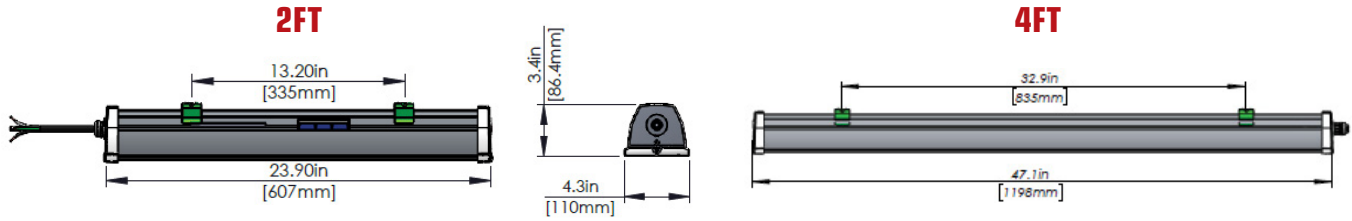
NOTE 8: Consult factory for non-standard lengths

NOTE 9: Standard pendant lengths "x" = 12 (12"), 24 (24") and 48 (48")

TECHNICAL INFORMATION



DIMENSIONS



MOUNTING OPTIONS

SURFACE MOUNTING
 (Standard)
 (hardware by others)

Aviation Cable Kit (2AC50, 2AC72)

Pivot Mount (PM)

Chain Hang Kit (2CH48)

Continuous Row Mount (CRM)

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

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

Row Mount (RM)

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

Seismic Bracket (SBXS)

Trunion Mount (22" standard offering) TM22BS04

PHOTOMETRICS

BX910LED-4HT-HO-WT40-120-277V
 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

N.A. (absolute)
 2303.57
 9374.28
 96.29
 7312.25
 146
 50
 1.00

BX910LED-2HT-HO-WT40-120-277V
 POLAR CURVES

Characteristics
 Electronic driver
 LED 4000°K
 Lumens Per Lamp
 Luminaire Lumens
 Total Luminaire Efficiency
 Luminaire Efficacy Rating (LER)
 Total Luminaire Watts
 Ballast Factor
 CIE Type

N.A. (absolute)
 4108
 N.A.
 137
 30
 1.00
 Direct

ISOLINES

Zonal Lumen Summary

Zone	Lumen	%Lamp	%Fixt
0-20	1103.29	N.A.	15.10
0-30	2303.57	N.A.	32.30
0-40	3937.42	N.A.	53.80
0-60	6597.59	N.A.	92.29
0-80	7284.31	N.A.	99.60
0-90	7312.25	N.A.	100.00
10-90	7027.5	N.A.	96.10
20-80	2834.13	N.A.	38.80
20-50	4419.24	N.A.	60.40
40-70	3167.71	N.A.	43.30
60-80	686.52	N.A.	9.40
70-80	175.18	N.A.	2.50
80-90	27.94	N.A.	0.40
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	7312.25	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ISOLINES

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1082.48	13.30	15.10
0-30	2315.96	28.50	32.40
0-40	3794.14	46.60	53.00
0-60	6410.72	78.80	89.60
0-80	7133.8	87.70	99.70
0-90	7155.33	87.90	100.00
10-90	6880.42	84.80	96.20
20-40	2711.65	33.30	37.90
20-50	4203.74	51.70	58.70
40-70	3165.52	38.90	44.20
60-80	723.07	8.90	10.10
70-80	174.14	2.10	2.40
80-90	21.53	0.30	0.30
90-110	0.03	0.00	0.00
90-120	0.03	0.00	0.00
90-130	0.03	0.00	0.00
90-150	0.03	0.00	0.00
90-180	0.03	0.00	0.00
110-180	0.00	0.00	0.00
0-180	7155.36	87.90	100.00

Total Luminaire Efficiency = 87.50%

ACCIAIO® BX910LED

ADDITIONAL INFORMATION

ENERGY CHART

MODEL	LENGTH	EFFICACY	CONSUMPTION WATTAGE	LUMEN OUTPUT	CRI	L70 (HRS)	L80 (HRS)
2FT							
BX910LED 2HT LO WT30 120-277V	2 ft	138 lm/W	20	2585	>80	>100,000	>50,000
BX910LED 2HT LO WT40 120-277V	2 ft	146 lm/W	20	2736	>80	>100,000	>50,000
BX910LED 2HT LO WT50 120-277V	2 ft	146 lm/W	20	2736	>80	>100,000	>50,000
BX910LED 2HT HO WT30 120-277V	2 ft	129 lm/W	30	3878	>80	>100,000	>50,000
BX910LED 2HT HO WT40 120-277V	2 ft	137 lm/W	30	4108	>80	>100,000	>50,000
BX910LED 2HT HO WT50 120-277V	2 ft	137 lm/W	30	4108	>80	>100,000	>50,000
4FT							
BX910LED 4HT LO WT30 120-277V	4 ft	125 lm/W	30	4139	>80	>100,000	>50,000
BX910LED 4HT LO WT40 120-277V	4 ft	135 lm/W	30	4383	>80	>100,000	>50,000
BX910LED 4HT LO WT50 120-277V	4 ft	143 lm/W	30	4383	>80	>100,000	>50,000
BX910LED 4HT HO WT30 120-277V	4 ft	138 lm/W	50	6901	>80	>100,000	>50,000
BX910LED 4HT HO WT40 120-277V	4 ft	146 lm/W	50	7312	>80	>100,000	>50,000
BX910LED 4HT HO WT50 120-277V	4 ft	146 lm/W	50	7312	>80	>100,000	>50,000
BX910LED 4HT VHO WT30 120-277V	4 ft	138 lm/W	60	8286	>80	>100,000	>50,000
BX910LED 4HT VHO WT40 120-277V	4 ft	146 lm/W	60	8773	>80	>100,000	>50,000
BX910LED 4HT VHO WT50 120-277V	4 ft	146 lm/W	60	8773	>80	>100,000	>50,000

ELECTRICAL RATING

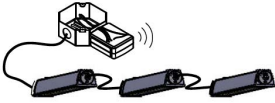


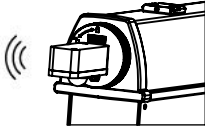

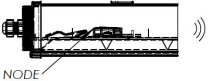


PRODUCT	NOMINAL POWER (W)	AC CURRENT (A) AC VOLTAGE			FREQUENCY (HZ)	DC VOLTAGE (V)	DC CURRENT (MA)
		120V	277V	347V			
2FT							
BX910LED 2HT LO	30	0.25	0.11		50/60	33	550
BX910LED 2HT HO	40	0.33	0.14		50/60	33	800
4FT							
BX910LED 4HT LO	30	0.25	0.11	0.06	50/60	33	800
BX910LED 4HT HO	40	0.42	0.18	0.10	50/60	33	1300
BX910LED 4HT VHO	50	0.50	0.22	0.13	50/60	33	1600

DIMMER COMPATIBILITY

DIMMER	COMPATABILITY	
	ON/OFF	DIMMING
2FT		
LEVITON - AWRMG-7	YES	YES
LUTRON - DIVE - DVSTV	YES	YES
LUTRON - DIVE - DVTV	YES	YES
WATT STOPPER - DCLV1	YES	YES
4FT		
LEVITON - AWRMG-7	YES	YES
LUTRON - DIVE - DVSTV	YES	YES
LUTRON - DIVE - DVTV	YES	YES
WATT STOPPER - DCLV1	YES	YES

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

LOGICA (WIRELESS & POWERLESS LIGHTING CONTROL SOLUTIONS)

DAISY CHAIN FIXTURES (RELAY)			EXTERNAL NODE & SENSOR (OS)	
<p>RLY* Wireless Relay (Damp Location)</p>  <p>Max range: 100 ft Max fixtures: 21</p>	<p>EMDCB* Remote Sensor (Damp Location)</p> 	<p>SW1* Single Switch (Damp Location)</p> 	<p>OS (Beghelli Standard) (Wet Location)</p>  <p>(EXTERNAL KNOCKOUT)</p>	<p>SW1* Single Switch (Damp Location)</p>  <p>External occ sensor options: OSM1* sensor, MLM1 sensor, etc.)</p>
INTEGRATED NODE (NOD)				
<p>NOD* Node</p> 	<p>EMDCB* Remote Sensor (Damp Location)</p> 	<p>SW1* Single Switch (Damp Location)</p> 	<p>*Magnum control options are also available (NODM1 node, OSM1 sensor, MLM1, RLYM1 relay, SW1M1 switch)</p> <p>**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.</p>	