

Type: \_\_\_\_\_

Project: \_\_\_\_\_

# ACCIAIO® 910

TITLE  
24



## BX910LED

- **ACCIAIO® BX910LED** is an industrial grade vapor tight solution that features easily upgradeable technology, convenient installation and 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 gray (RAL7040). 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	4100 to 4400 lm
HO:	3900 to 4100 lm	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.

## ORDERING INFORMATION

MODEL	LENGTH	OPERATION	OUTPUT	COLOR TEMP	INPUT	LENS	MOUNTING	OPTIONS <sup>5</sup>
BX910LED	2 (ft)	HT (AC only)	LO	WT30 (3000K)	120-277V	PC (polycarbonate)	blank (surface mount std)	BAA (made in America)
	4 (ft)	SA <sup>1</sup> (AC & EM)	HO	WT40 (4000K)	347-480V		CRM <sup>3</sup> (continuous row mount)	EM <sup>4</sup> (field installation remote mounted)
			VHO <sup>2</sup>	WT50 (5000K)			RM <sup>3</sup> (row mount)	FP (fuse protection - 3A)
<b>CONTROLS &amp; ACCESSORIES</b>								
2ACx <sup>8</sup> (adjustable aviation cable, x=length: 50=50", 72=72")			HHRFSIR <sup>9</sup> (remote for FSP221)			SBXS (seismic bracket)		OS <sup>6,7</sup> (external occupancy sensor)
2CH48 <sup>9</sup> (48" chain hang kit, field cuttable)			MLM1 <sup>6</sup> (wireless motion and lux sensor)			SW1 <sup>6</sup> (single BT rocker wall switch)		SP (surge protection - 10KA)
EMDCB <sup>6</sup> (BT wireless motion & lux sensor)			PM (aimable pivot mount)			TM22BX <sup>8</sup> (22" trunnion mount)		SS <sup>10</sup> (stainless steel)
			RLY <sup>6</sup> (wireless relay)					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

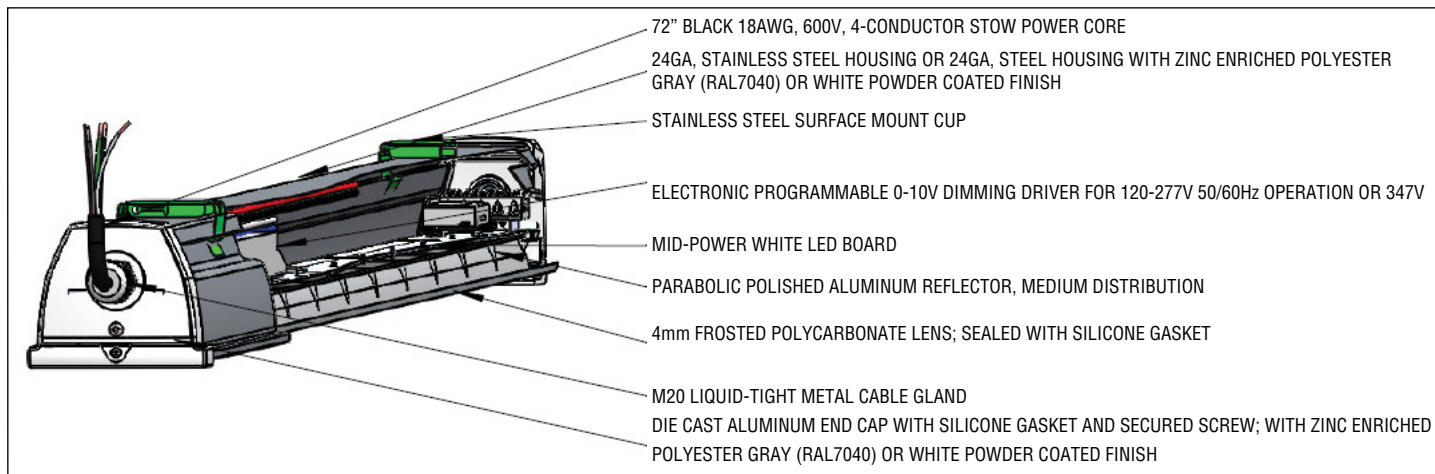
NOTE 7: OS is std Beggelli sensor (Magnum OSM1, CRMB9, OSFSP221, SBOR & other sensors also available)

NOTE 8: Consult factory for non-standard lengths

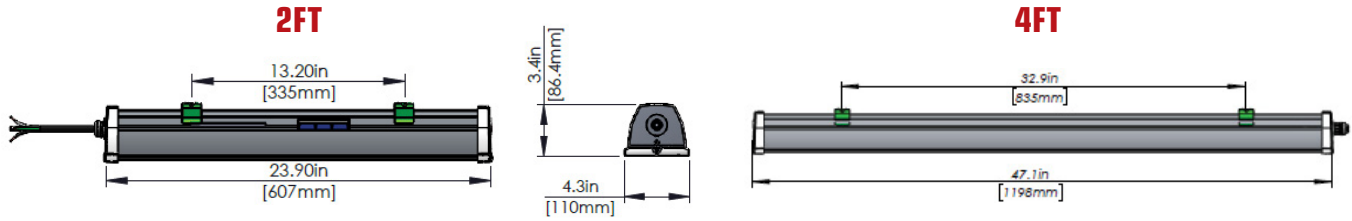
NOTE 9: OSFSP221 requires HHRFSIR handheld remote accessory

NOTE 10: 4' only (limited inventory)

## 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)

**Row Mount**  
(RM)

Varies

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

**Seismic Bracket**  
(SBXS)

**Trunnion Mount**  
22" standard offering  
(TM22BX)

## PHOTOMETRICS

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

**POLAR CURVES**

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

N.A.	(absolute)
2303.57	N.A.
9229.88	N.A.
3691.55	N.A.
7312	N.A.
146	N.A.
50	N.A.
1.00	N.A.

**ISOLINES**

**Zonal Lumen Summary**

Zone	Lumens	%Lamp	%Ftixt
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.	90.20
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	686.82	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.%

### BX910LED 2HT 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)
4107.84	N.A.
16431.36	N.A.
4108	N.A.
137	N.A.
30	N.A.
1.00	N.A.
Direct	N.A.

**ISOLINES**

**Zonal Lumen Summary**

Zone	Lumens	%Lamp	%Ftixt
0-20	659.24	N.A.	16.00
0-30	1387.88	N.A.	33.80
0-40	2334.87	N.A.	56.80
0-60	3878.7	N.A.	94.40
0-80	4104.11	N.A.	99.90
0-90	4107.84	N.A.	100.00
10-90	3936.86	N.A.	95.80
20-80	1675.62	N.A.	40.80
20-50	2672.83	N.A.	65.10
40-70	1725.36	N.A.	42.00
60-80	225.41	N.A.	5.50
70-80	43.88	N.A.	1.10
80-90	3.83	N.A.	0.10
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	4107.84	N.A.	100.00

Total Luminaire Efficiency = N.A.%

# ACCIAIO® BX910LED

ADDITIONAL INFORMATION

## ENERGY CHART

MODEL	LENGTH	EFFICACY	CONSUMPTION WATTAGE	LUMEN OUTPUT	CRI	L70 (HRS)	L80 (HRS)
<b>2FT</b>							
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
<b>4FT</b>							
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

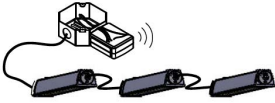


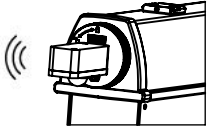

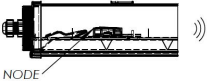


PRODUCT	NOMINAL POWER (W)	AC CURRENT (A) AC VOLTAGE				FREQUENCY (HZ)	DC VOLTAGE (V)	DC CURRENT (MA)
		120V	277V	347V	480V			
<b>2FT</b>								
BX910LED 2HT LO	20	0.17	0.07	0.06	0.04	50/60	33	550
BX910LED 2HT HO	30	0.26	0.11	0.09	0.06	50/60	33	850
<b>4FT</b>								
BX910LED 4HT LO	30	0.26	0.11	0.09	0.06	50/60	36	700
BX910LED 4HT HO	50	0.43	0.18	0.15	0.11	50/60	36	1200
BX910LED 4HT VHO	60	0.51	0.22	0.18	0.13	50/60	36	1400

## DIMMER COMPATIBILITY

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

## BEGHELLI LIGHTING CONTROL SOLUTIONS

DAISY CHAIN FIXTURES (RELAY)			EXTERNAL NODE & SENSOR (OS)	
<p><b>RLY*</b> Wireless Relay (Damp Location)</p>  <p>Max range: 100 ft Max fixtures: 21</p>	<p><b>EMDCB*</b> Remote Sensor (Damp Location)</p> 	<p><b>SW1*</b> Single Switch (Damp Location)</p> 	<p><b>OS (Beghelli Standard)</b> (Wet Location)</p>  <p>(EXTERNAL KNOCKOUT)</p>	<p><b>SW1*</b> Single Switch (Damp Location)</p>  <p>External occ sensor options: OSM1* sensor, MLM1 sensor, etc.)</p>
INTEGRATED NODE (NOD)				
<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>*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>	