

BX910LED ECO

- **BX910LED ECO** is DLC qualified for Direct Linear Ambient Luminaires, and is the evolution of a luminaire with upgradeable technology
- **LENS:** 3mm Impact resistant frosted flat polycarbonate diffuser reduces glare and fixture design eliminates uplight (glass available in white housing)
- Specially designed terminal compartment and polycarbonate end cap allows easy access to wiring for convenient and tool-free installation, as well as effortless LED driver replacement
- **HOUSING:** The housing uses 24 gauge rolled steel in standard gray finish, white is optional
- **LUMENS:** LO: 4054 up to 4295 lm
HO: 6752 up to 7155 lm
- **OPERATING TEMP:**
HT (AC Only) -40°C to 40°C (-40°F to 104°F)
SA (AC & Emergency) 0°C to 35°C (32°F to 95°F)
- **WEIGHT:** 9 lbs
- **WARRANTY:** 5 year warranty, see website for full warranty details



APPLICATION: The **BX910LED ECO** 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 a great option where light pollution is a concern

ORDERING INFORMATION

Example: BX910LED ECO 4HT HO WT50 120-277

MODEL	LENGTH	OPERATION	OUTPUT	COLOR TEMP	INPUT	LENS	MOUNTING	OPTIONS
BX910LED ECO	4 (ft)	HT (AC only) SA ¹ (AC & EM)	LO HO	WT30 ² (3000K) WT40 (4000K) WT50 (5000K)	120V-277V	PC (polycarbonate) GL ³ (glass)	blank (surface mount std) CRM ⁴ (continuous row mount) RM ⁴ (row mount)	BAA (made in America) EM ⁵ (field install remote EM driver) FP (fuse protection - 3A) NOD (integrated node) OS ⁶ (external occupancy sensor) SP (surge protection - 10KA) WHT (white)

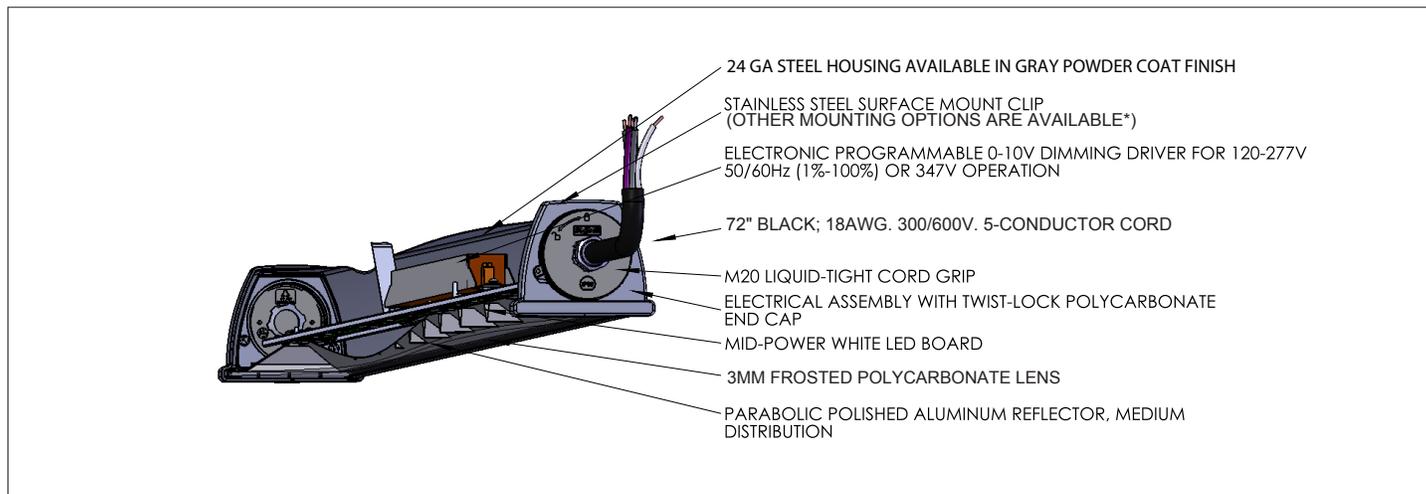
CONTROLS & ACCESSORIES

2ACx ⁷ (adjustable aircraft cable, x=length: 50=50", 72=72")	HHRFSIR ⁸ (handheld remote for FSP221)	SW1 (single BT rocker wall switch)
2CH48 ⁷ (48" chain hang kit, field cuttable)	MLM1 (wireless motion and lux sensor)	
EMDCB (BT wireless motion & lux sensor)	RLY (wireless relay)	

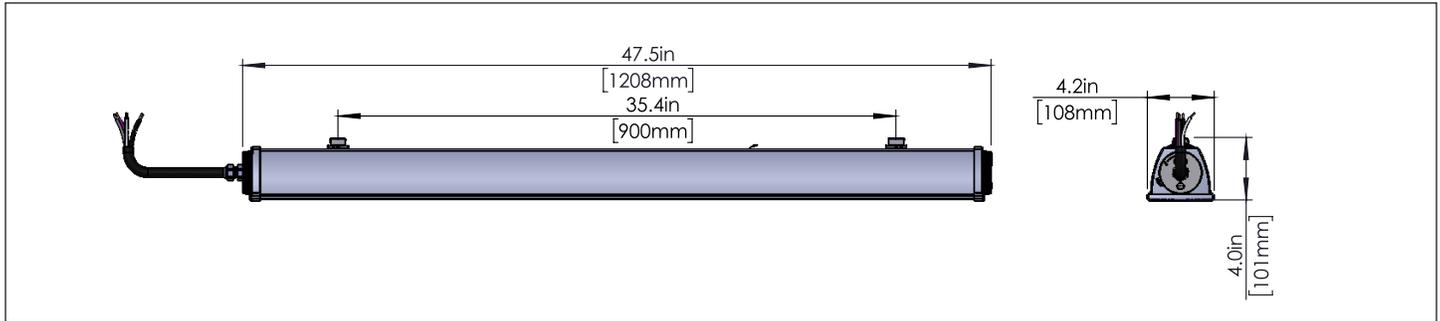
NOTE 1: Emergency pack; 120-277V; 10W, 1217 lumens
NOTE 2: Contact factory for lead time
NOTE 3: Limited availability, consult factory (white housing only)
NOTE 4: Maximum run distance 100 ft, only for chain and aircraft cable

NOTE 5: Field Installable Emergency Pack 120-277V, 10W, 1305 lumens
NOTE 6: OS is std Beggelli sensor, OSM1 and other sensors are also available
NOTE 7: Consult factory for non-standard lengths
NOTE 8: HHRFSIR remote controls/ adjusts OSFSP221 sensor

TECHNICAL INFORMATION



DIMENSIONS



MOUNTING OPTIONS

SURFACE MOUNTING
(Standard)
(hardware by others)

Aviation Cable Kit
(2AC50, 2AC72)

Chain Hang kit
(2CH48)

Row Mount Option (RM)
Max. run distance 100ft

(Only for chain & aircraft cable)

Continuous Row Mount Option (CRM)

PHOTOMETRICS

BX910LED ECO 4HT LO WT40 120-277V

POLAR CURVES

Characteristics
Electronic driver
LED 4000°K
Lumen Per Lamp 33.9 (144 lamps)
Total Lamp Lumen 4881.6
Luminaire Lumen 4295
Total Luminaire Efficiency 88 %
Luminaire Efficacy Rating (LER) 143
Total Luminaire Watts 30
Ballast Factor 1.00
CIE Type Direct

BX910LED ECO 4HT HO WT40 120-277V

POLAR CURVES

Characteristics
Electronic driver
LED 4000°K
Lumen Per Lamp 56.5 (144 lamps)
Total Lamp Lumen 8136
Luminaire Lumen 7155
Total Luminaire Efficiency 88 %
Luminaire Efficacy Rating (LER) 143
Total Luminaire Watts 50
Ballast Factor 1.00
CIE Type Direct

ISOLINES

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	553.15	12.60	15.10
0-30	1183.17	26.90	32.40
0-40	1928.24	43.90	52.80
0-60	3270.02	74.40	89.50
0-80	3642.69	82.90	99.70
0-90	3653.96	83.10	100.00
10-90	3513.56	79.90	96.20
20-40	1375.1	31.30	37.60
20-50	2133.75	48.50	58.40
40-70	1625.02	37.00	44.50
60-80	372.66	8.50	10.20
70-80	89.42	2.00	2.40
80-90	11.27	0.30	0.30
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	3653.96	83.10	100.00

Total Luminaire Efficiency = 83.10%

ISOLINES

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1082.48	13.30	15.10
0-30	2315.86	28.50	32.40
0-40	3794.14	46.60	53.00
0-60	6410.72	78.90	89.60
0-80	7133.8	87.70	99.70
0-90	7155.33	87.90	100.00
10-90	6880.42	84.60	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 = 87.90%

ACCIAIO BX910LED ECO

ADDITIONAL INFORMATION

ENERGY CHART

MODEL	EFFICACY (Lumens/Watts)	CONSUMPTION WATTAGE (W)	LUMEN OUTPUT (LM)	CRI	L70 (hrs.)	L80 (hrs.)
BX910LED ECO 4HT LO WT30 120-277V	135	30	4054	>80	>60,000	>50,000
BX910LED ECO 4HT LO WT40 120-277V	143	30	4295	>80	>60,000	>50,000
BX910LED ECO 4HT LO WT50 120-277V	143	30	4295	>80	>60,000	>50,000
BX910LED ECO 4HT HO-WT30-120-277V	135	50	6752	>80	>60,000	>50,000
BX910LED-ECO-4HT-HO-WT40-120-277V	143	50	7155	>80	>60,000	>50,000
BX910LED-ECO-4HT-HO-WT50-120-277V	143	50	7155	>80	>60,000	>50,000

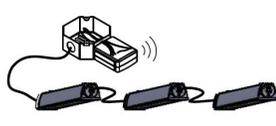
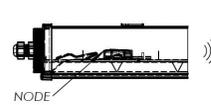
ELECTRICAL RATING

PRODUCT	NOMINAL POWER (W)	AC CURRENT (A) AC VOLTAGE			FREQUENCY (HZ)	DC VOLTAGE (V)	DC CURRENT (MA)
		120V	277V	347V			
4FT							
BX910LEDECO4HTLO	30	0.26	0.11	0.09	50/60	33	800
BX910LEDECO4HTHO	50	0.43	0.18	0.15	50/60	33	1300

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)		
<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>*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>			<p>NOD* Node</p>  <p>NODE</p>	<p>EMDCB* Remote Sensor (Damp Location)</p> 	<p>SW1* Single Switch (Damp Location)</p> 