

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)	LO	WT30 ² (3000K)	120V-277V	PC	blank (surface mount std)	BAA (made in America)
		SA ¹ (AC & EM)	HO	WT40 (4000K)		(polycarbonate)	CRM ⁴	EM ⁵ (field install remote EM driver)
				WT50 (5000K)		GL ³ (glass)	(continuous row mount)	FP (fuse protection - 3A)
							RM ⁴ (row mount)	NOD (integrated node)

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)	OS ⁶ (external occupancy sensor)
2CH48 ⁷ (48" chain hang kit, field cuttable)	MLM1 (wireless motion and lux sensor)		SP (surge protection - 10KA)
EMDCB (BT wireless motion & lux sensor)	RLY (wireless relay)		WHT (white)

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

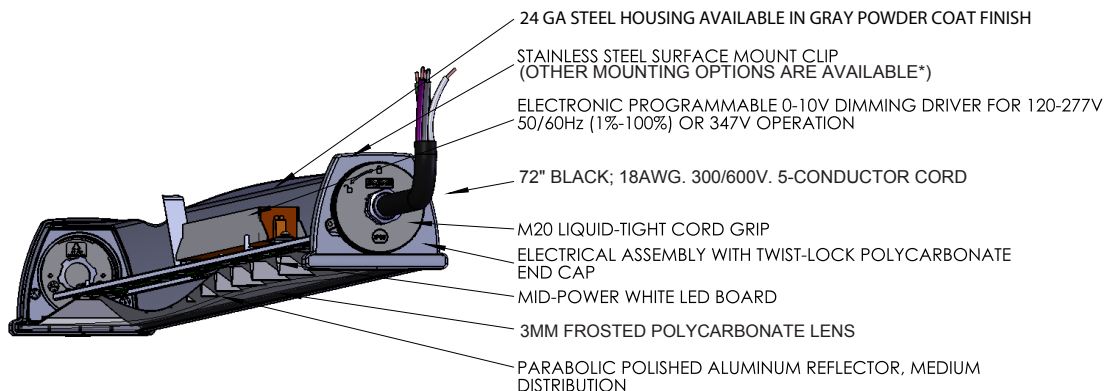
NOTE 5: Field Installable Emergency Pack 120-277V, 10W, 1305 lumens

NOTE 6: OS is std Beghelli sensor, OSM1 and other sensors are also available

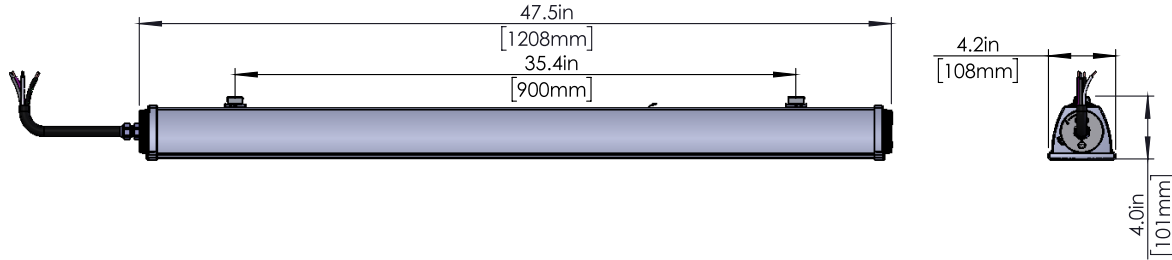
NOTE 7: Consult factory for non-standard lengths

NOTE 8: HHRFSIR remote controls/ adjusts OSFSP221 sensor

TECHNICAL INFORMATION



DIMENSIONS

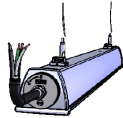


MOUNTING OPTIONS

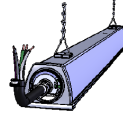
SURFACE MOUNTING (Standard) (hardware by others)



Aviation Cable Kit (2AC50, 2AC72)



Chain Hang kit (2CH48)



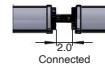
Row Mount Option (RM)

Max. run distance 100ft



(Only for chain & aircraft cable)

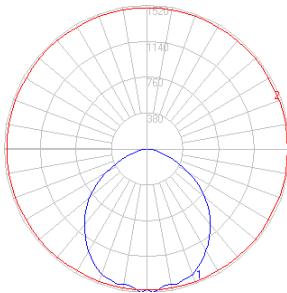
Continuous Row Mount Option (CRM)



PHOTOMETRICS

BX910LED ECO 4HT LO WT40 120-277V

POLAR CURVES

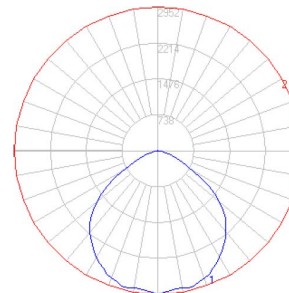


Characteristics

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

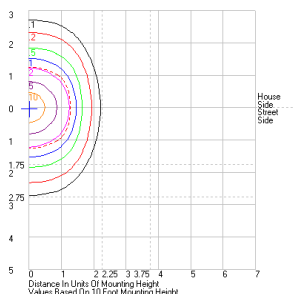
POLAR CURVES



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

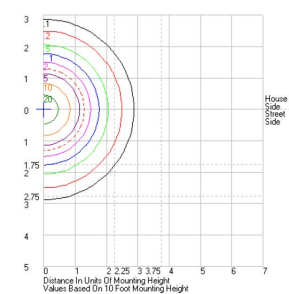


Zonal Lumen Summary

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

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

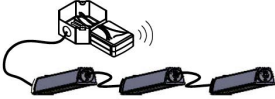
PRODUCT	NOMINAL POWER (W)	AC CURRENT (A) AC VOLTAGE			FREQUENCY (HZ)	DC VOLTAGE (V)	DC CURRENT (MA)
		120V	277V	347V			
4FT							
BX910LEDECO4HTLO	30	0.26	0.11	0.09	50/60	33	800
BX910LEDECO4HTHO	50	0.43	0.18	0.15	50/60	33	1300

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)


RLY*
Wireless Relay
(Damp Location)
 

Max range: 100 ft
Max fixtures:21


EMDCB*
Remote Sensor
(Damp Location)
 

SW1*
Single Switch
(Damp Location)
 

EXTERNAL NODE & SENSOR (OS)

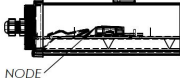
OS (Beghelli Standard)
(Wet Location)
 


(EXTERNAL KNOCKOUT)


SW1*
Single Switch
(Damp Location)
 

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.



www.beghelliusa.com

6/27/25

Beghelli reserves the right to change, without notice, specifications or materials. Technical specifications that appear on beghelliusa.com supersede all other versions existing in print or electronic form.