ACCIAIO® eco

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

BX910LED ECO

- **BX910LED ECO** is DesignLights Consortium® qualified for Direct Linear Ambient Luminaires, and is the evolution of a luminaire with upgradeable technology

- 3mm impact resistant frosted flat polycarbonate diffuser reduces glare and fixture design eliminates uplight

- 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:** 3543 up to 3765 lm
  HO: 5180 up to 5502 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 / 4.08 kg

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[8]
BX910LED ECO	4 (ft)	HT (AC only)	LO	WT30[2] (3000K)	120V-277V	PC (polycarbonate)	blank (surface mount standard)	EM (field install remote emer driver)
		SA[1] (AC & EM)	HO	WT40 (4000K)	347V		CRM (continuous row mount)	FP (fuse protection - 3A)
				WT50 (5000K)				OS[3,4] (external occupancy sensor)
							RM (row mount)	SP (surge protection - 10KA)
								W[5] (white housing)

CONTROLS & ACCESSORIES	
2ACx[6] (adjustable aircraft cable, x=length: 50=50", 72=72")	PMBXE (aimable pivot mount)
2CH48[6] (48" chain hang kit, field cuttable)	RLY[4] (wireless relay)
2PKxW[6,7] (double stem pendant kit, white, x=length)	SW1[4] (single BT rocker wall switch)
EMDCB[4] (BT wireless motion & lux sensor)	TM22BX910ECO[6] (22" trunion mount)

NOTE 1: Emergency pack; 120/277V; 10W, 1217 lumens.
NOTE 2: Contact factory for lead time.
NOTE 3: OS is std Beghelli sensor, OSM1 and other sensors are also available
NOTE 4: Beghelli offers wireless and powerless control solutions, contact factory for more details
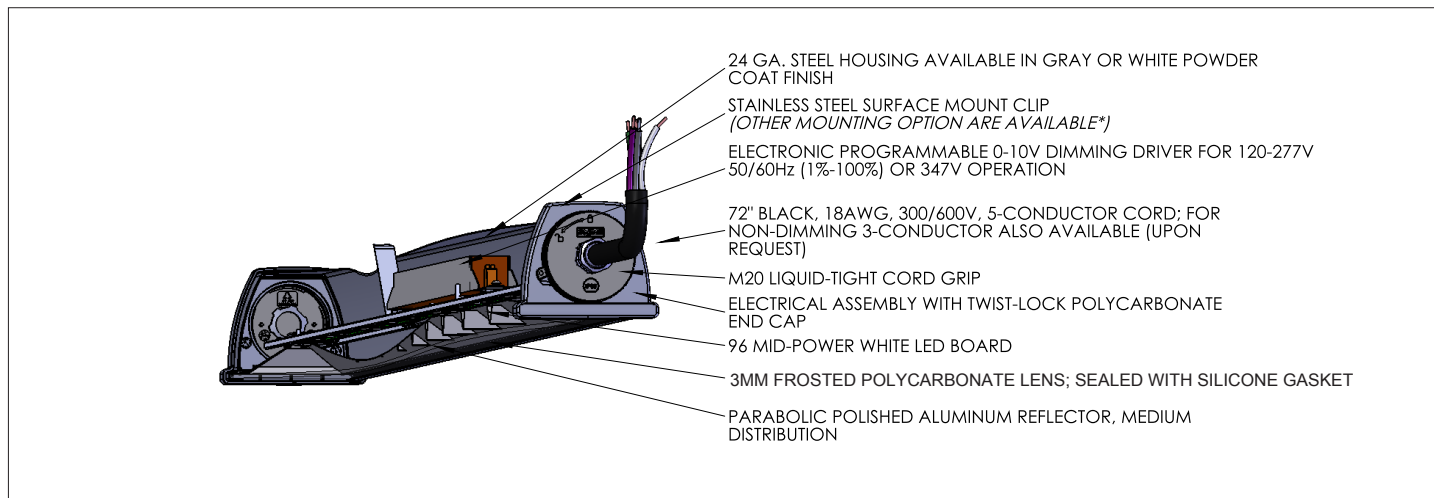NOTE 5: Contact Factory

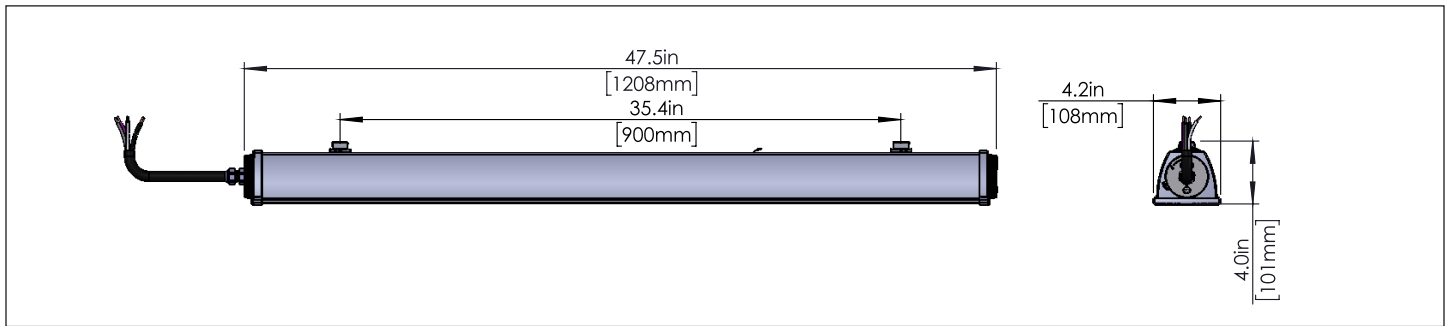NOTE 6: Consult factory for non-standard lengths
NOTE 7: Standard pendant lengths "x" = 12 (12"), 24 (24"), and 48 (48")
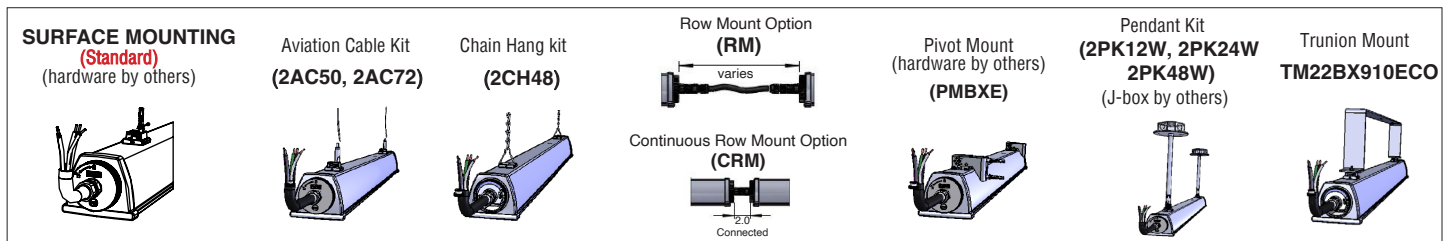NOTE 8: Gray powder coat finish is standard.

TECHNICAL INFORMATION

24 GA. STEEL HOUSING AVAILABLE IN GRAY OR WHITE POWDER COAT FINISH

STAINLESS STEEL SURFACE MOUNT CLIP
(OTHER MOUNTING OPTION ARE AVAILABLE)*

ELECTRONIC PROGRAMMABLE 0-10V DIMMING DRIVER FOR 120-277V 50/60Hz (1%-100%) OR 347V OPERATION

72" BLACK, 18AWG, 300/600V, 5-CONDUCTOR CORD; FOR NON-DIMMING 3-CONDUCTOR ALSO AVAILABLE (UPON REQUEST)

M20 LIQUID-TIGHT CORD GRIP

ELECTRICAL ASSEMBLY WITH TWIST-LOCK POLYCARBONATE END CAP

96 MID-POWER WHITE LED BOARD

3MM FROSTED POLYCARBONATE LENS; SEALED WITH SILICONE GASKET

PARABOLIC POLISHED ALUMINUM REFLECTOR, MEDIUM DISTRIBUTION

DIMENSIONS

47.5in
[1208mm]

35.4in
[900mm]

4.2in
[108mm]

4.0in
[101mm]

MOUNTING OPTIONS

| **SURFACE MOUNTING** (Standard) (hardware by others) | Aviation Cable Kit **(2AC50, 2AC72)** | Chain Hang kit **(2CH48)** | Row Mount Option **(RM)** varies | Pivot Mount (hardware by others) **(PMBXE)** | Pendant Kit **(2PK12W, 2PK24W 2PK48W)** (J-box by others) | Trunion Mount **TM22BX910ECO** |

Continuous Row Mount Option
(CRM)
2.0
Connected

PHOTOMETRICS

BX910LED ECO 4HT LO WT40 120-277V

POLAR CURVES

Characteristics
Electronic driver
LED 4000°K

Lumens Per Lamp	45.79 (96 lamps)
Total Lamp Lumens	4395.84
Luminaire Lumens	3654
Total Luminaire Efficiency	83 %
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	30
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.36

ISOLINES

House Side
Street Side

Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height

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%

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

House Side
Street Side

Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height

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	78.80	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%

Beghelli LUCE
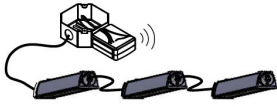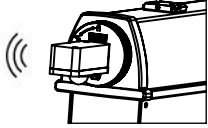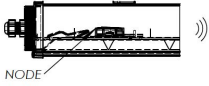
ACCIAIO BX910LED ECO

ENERGY CHART

MODEL	EFFICACY (Lumens/Watts)	CONSUMPTION WATTAGE (W)	LUMEN OUTPUT (LM)	CRI	L70 (hrs.)	L80 (hrs.)
BX910LED ECO 4HT LO WT35 120-277V	118	30	3543	>80	>60,000	>50,000
BX910LED ECO 4HT LO WT40 120-277V	122	30	3654	>80	>60,000	>50,000
BX910LED ECO 4HT LO WT50 120-277V	125	30	3765	>80	>60,000	>50,000
BX910LED ECO 4HT HO-WT35-120-277V	104	50	5180	>80	>60,000	>50,000
BX910LED-ECO-4HT-HO-WT40-120-277V	107	50	5341	>80	>60,000	>50,000
BX910LED-ECO-4HT-HO-WT50-120-277V	110	50	5502	>80	>60,000	>50,000

BEGHELLI LIGHTING CONTROL SOLUTIONS

DAISY CHAIN FIXTURES (RELAY)

RLY*
Wireless Relay
(Damp Location)

EMDCB*
Remote Sensor
(Damp Location)

SW1*
Single Switch
(Damp Location)

Max range: 100 ft
Max fixtures:21

EXTERNAL NODE & SENSOR (OS)

OS (Beghelli Standard)
(Wet Location)

SW1*
Single Switch
(Damp Location)

(EXTERNAL KNOCKOUT)

External occ sensor options:
OSM1* sensor, MLM1 sensor, etc.)

INTEGRATED NODE (NOD)

*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.

NOD*
Node

EMDCB*
Remote Sensor
(Damp Location)

SW1*
Single Switch
(Damp Location)

NODE

WARRANTY: 5 year warranty, see website for full warranty details.

Beghelli
LUCE