

ACCIAIO® BX960



VAPOR TIGHT

- **ACCIAIO BX960** is an industrial grade vapor tight solution for high temperature applications up to 60°C; It features easily upgradeable technology, convenient installation and a robust, high abuse, architectural design
- **HOUSING:** 4' Extruded aluminum housing (3.5mm) in a clear anodized finish, with die-cast aluminum end caps and 316 stainless steel external hardware
- **DIFFUSER:** 4 mm impact resistant frosted polycarbonate lens sealed with a silicone gasket optimizes ingress protection and achieves UGR < 26.5
- **LUMENS:** LO: 6990 to 7514 lm @ 50W
HO: 10,386 to 11,165 lm @ 80W
- **INPUT:** 0-10V dimming driver (10% - 100%), 120-277V, 50/ 60Hz; Optional 347-480V
- **OPERATING TEMP:** HT (AC Only) -40 to 60°C (-40 to 140°F)
SA (AC & EM) 0 to 40°C (32 to 104°F)



- **APPLICATION:** The **ACCIAIO BX960** is a heavy duty, high abuse, high temperature luminaire with an architectural look ideal for a wide range of applications including: foundries, steel mills, off-shore rigs, tunnels, mines, farms, bottling & food processing facilities, car washes and pool areas.
- **INPUT:** 0-10V dimming driver (10% - 100%), 120-277V, 50/ 60Hz; Optional 347-480V
- **LEDs:** Mid-power, 3000K/ 4000K/ 5000K, > 80 CRI, L70 > 72K hrs
- **MAINTAINABILITY:** Removable gear tray allows for convenient servicing & ability to upgrade performance

ORDERING INFORMATION

MODEL	LENGTH	OPERATION	OUTPUT	CCT	OPTIONS	
BX960	4 (ft)	HT (AC only)	LO	3K (3000K)	CR ² (continuous row mount)	OS ^{3,4} (external occupancy sensor)
		SA ¹ (AC & EM)	HO	4K (4000K)	FP (fuse protection - 3A)	RW ² (row mount)
				5K (5000K)	HV (347-480V)	SP (surge protection - 10KA)
					NOD ³ (integrated node)	

CONTROLS & ACCESSORIES

2ACx ⁵ (adjustable aviation cable, x=50",72")	2SPKxW ⁵ (white swivel pendant kit, x=12",24",48")	MLM1 ³ (wireless motion and lux sensor)	SW1 ³ (single BT rocker wall switch)
2CH48EYE ⁵ (48" chain hang kit, field cuttable)	EMDCB ³ (BT wireless motion & lux sensor)	PM (aimable pivot mount)	TM22BS04 ⁵ (22" trunnion mount)
2PKxW ⁵ (white pendant kit, x=12",24",48")	HHRFSIR ⁶ (remote for OSFSP221)	RLY ³ (wireless relay)	

NOTE 1: Integrated emergency pack; T20, 120-277V; 10W, 1500 lm @ 4000K CCT

NOTE 2: Maximum run distance varies, only for chain & aircraft cable. Refer to Beghelli Row Mount Guide

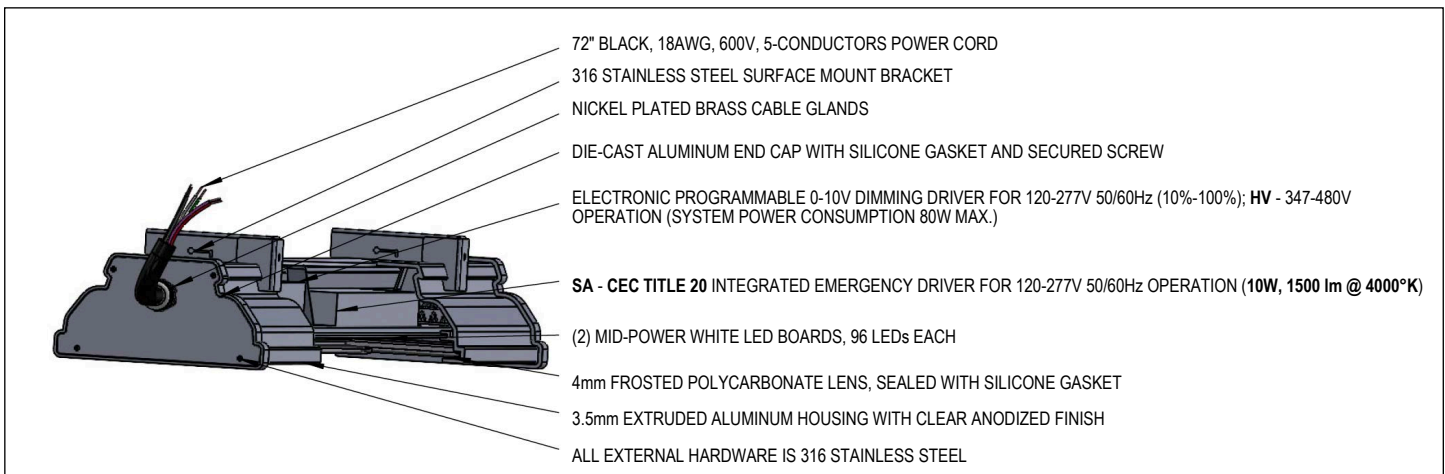
NOTE 3: Beghelli offers wireless & powerless control solutions, contact factory for more details

NOTE 4: OS is std Beghelli sensor (Magnum OSM1, CRMB9, OSFSP221, SBOR & other sensors also available)

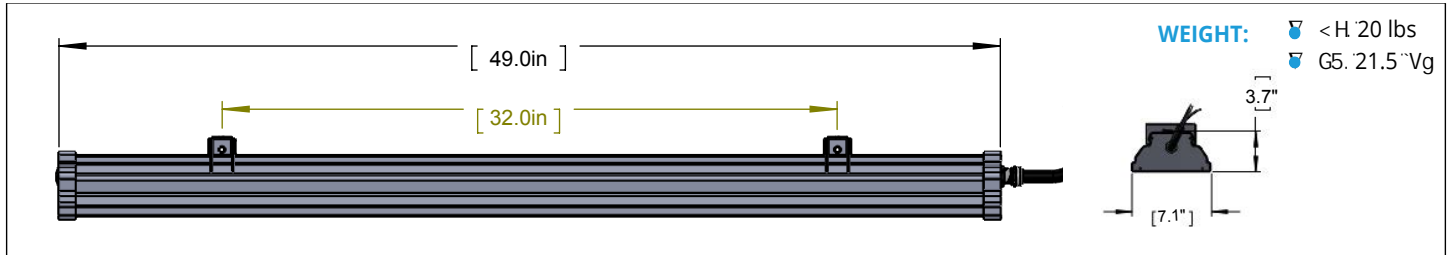
NOTE 5: Consult factory for non-standard lengths

NOTE 6: OSFSP221 requires HHRFSIR handheld remote accessory to change factory settings

TECHNICAL INFORMATION



DIMENSIONS



MOUNTING OPTIONS

SURFACE MOUNTING SEISMIC BRACKETS
(Standard)
 (hardware by others)

Aviation Cable Kit
 (2AC50, 2AC72)

Chain Hang Kit
 (2CH48EYE)

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

Swivel Pendant Kit
 (2SPK12W, 2SPK24W, 2SPK48W)

Pivot Mount
 (PM)

20°
85°

Trunnion Mount
22" standard offering
 (TM22BS04)

Row Mount
 (RW)
 Varies

(Only for chain & aircraft cable)
 **Refer to Beghelli Row Mount Guide for max distance & fixtures

Continuous Row Mount
 (CR)

2.0in
 CONNECTED

(Only for chain & aircraft cable)
 **Refer to Beghelli Row Mount Guide for max distance & fixtures

PHOTOMETRICS

BX9604HTHO4K

POLAR GRAPH

ISOLINES

House Side
Street Side

CHARACTERISTICS
 Electronic driver
 LED 4000°K
 Lumens Per Lamp NA (absolute)
 Total Lamp Lumens NA (absolute)
 Luminaire Lumens 11165
 Total Luminaire Efficiency NA
 Luminaire Efficacy Rating (LER) Total 140
 Luminaire Watts 80
 Ballast Factor 1.00
 CIE Type Direct

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1592.68	N.A.	14.30
0-30	3393.16	N.A.	30.40
0-40	5526.19	N.A.	49.50
0-60	9345.91	N.A.	83.70
0-80	11067.35	N.A.	99.10
0-90	11165.23	N.A.	100.00
10-90	10754.55	N.A.	96.30
20-40	3933.51	N.A.	35.20
20-50	6018.00	N.A.	53.90
40-70	4994.03	N.A.	44.70
60-80	1721.44	N.A.	15.40
70-80	547.13	N.A.	4.90
80-90	97.88	N.A.	0.90
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	11165.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ACCIAIO® BX960

ENERGY CHART

MODEL	POWER	COLOR TEMP	LUMEN OUTPUT	EFFICACY	VERTICAL BEAM ANGLE	HORIZONTAL BEAM ANGLE	UGR
BX9604HTLO3K	50	3000	6990	140	103.6	107.2	23.7
BX9604HTLO4K	50	4000	7514	150	103.6	107.2	23.9
BX9604HTLO5K	50	5000	7340	147	103.6	107.2	23.8
BX9604HTHO3K	80	3000	10386	130	105.8	102.2	26.2
BX9604HTHO4K	80	4000	11165	140	105.8	102.2	26.5
BX9604HTHO5K	80	5000	10905	136	105.8	102.2	26.4

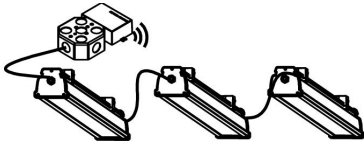


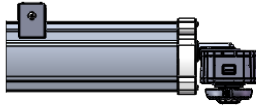

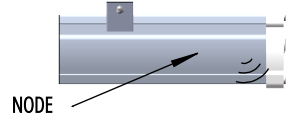


ELECTRICAL RATING

PRODUCT	NOMINAL POWER (W)	AC CURRENT (A) AC VOLTAGE				FREQUENCY (HZ)	DC VOLTAGE (V)	DC CURRENT (MA)
		120V	277V	347V	480V			
BX960 4HT LO	50	0.43	0.18	0.15	0.11	50/60	46	1000
BX960 4HT HO	80	0.68	0.29	0.24	0.17	50/60	46	1500

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)	
RLY* Wireless Relay (Damp Location) 	EMDCB* Remote Sensor (Damp Location) 	SW1* Single Switch (Damp Location) 	OS (Beghelli Standard) (Wet Location) 	SW1* Single Switch (Damp Location) 
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>	
NOD* Node 	EMDCB* Remote Sensor (Damp Location) 	SW1* Single Switch (Damp Location) 		

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