

Type: _____

Project: _____

ACCIAIO® 940

TITLE
20TITLE
24

BX940LED

- **ACCIAIO® BX940LED** is an industrial grade vapor tight solution that features easily upgradeable technology, convenient installation and a robust design that is ideal for most mid and high bay commercial and light industrial applications.
- **HOUSING:** 24 gauge steel construction with die-cast aluminum end caps, finished with zinc enriched polyester powder coat gray (RAL7040) standard, white option (limited availability)
- **DIFFUSER:** Impact resistant 4mm frosted tempered glass diffuser with pressed silicon gasket is integrated into the housing for optimal ingress protection
- **LUMENS:**
 - LO: 12,900 to 13,700 lm
 - HO: 20,700 to 21,900 lm
- **OPERATING TEMP:**
 - HT (AC Only) -40°C to 40°C (-40°F to 104°F)
 - SA (AC & EM) 0°C to 40°C (32°F to 104°F)
- **WEIGHT:** 35 lbs / 15.88 kg



- **APPLICATION:** The **ACCIAIO® BX940LED** is a versatile luminaire ideal for a wide range of applications including: warehouses, canopies, loading docks, gymnasiums, pool areas, manufacturing facilities and waste water treatment facilities.
- **INTERNAL:** 0-10V dimming driver (1% - 100%), 120-277V or 347-480V input. Dual mid-power white LED, >80CRI. All components mounted to a 22 gauge steel reflector with white powder coat finish. Optional integrated emergency pack provides 1367 lumens during power failure.

ORDERING INFORMATION

EXAMPLE: BX940LED 4HT HO WT40 120-277V

MODEL	LENGTH	OPERATION	OUTPUT	COLOR TEMP		INPUT	OPTIONS ⁶
BX940LED	4 (ft)	HT (AC only)	LO	WT30 (3000K)	WT40 (4000K)	120-277V	EM ¹ (field installable remote EM driver)
		SA ¹ (AC & EM)	HO	WT35 (3500K)	WT50 (5000K)	347-480V	FP (fuse protection - 3A)
							NOD ² (integrated node)
							OS ^{2,3} (external occupancy sensor)

CONTROLS & ACCESSORIES

2ACxBX940 ⁴ (adjustable aviation cable, x=length: 50=50", 72=72")	EMDCB ² (BT wireless motion & lux sensor)	RLY ² (BT wireless motion & lux sensor)	
2CH48 ⁴ (48" chain hang kit, field cuttable)	HHRFSIR ⁷ (remote for FSP221)	SBXL (seismic bracket)	WHT (white)
2PKxBX940 ^{4,5} (double pendant kit, white, x=length)	MLM1 ² (wireless motion and lux sensor)	SW1 ² (single BT rocker wall switch)	
WG.7DX48LX12WGRYFIXMNT ⁸ (wireguard)			

NOTE 1: Emergency pack T20, 120-277V, 10W, 1367 lm

NOTE 2: Beghelli offers wireless & powerless control solutions, contact factory for more details

NOTE 3: OS is std Beghelli sensor (Magnum OSM1, CRMB9, OSFSP221, SBOR & other sensors also available)

NOTE 4: Consult factory for non-standard lengths

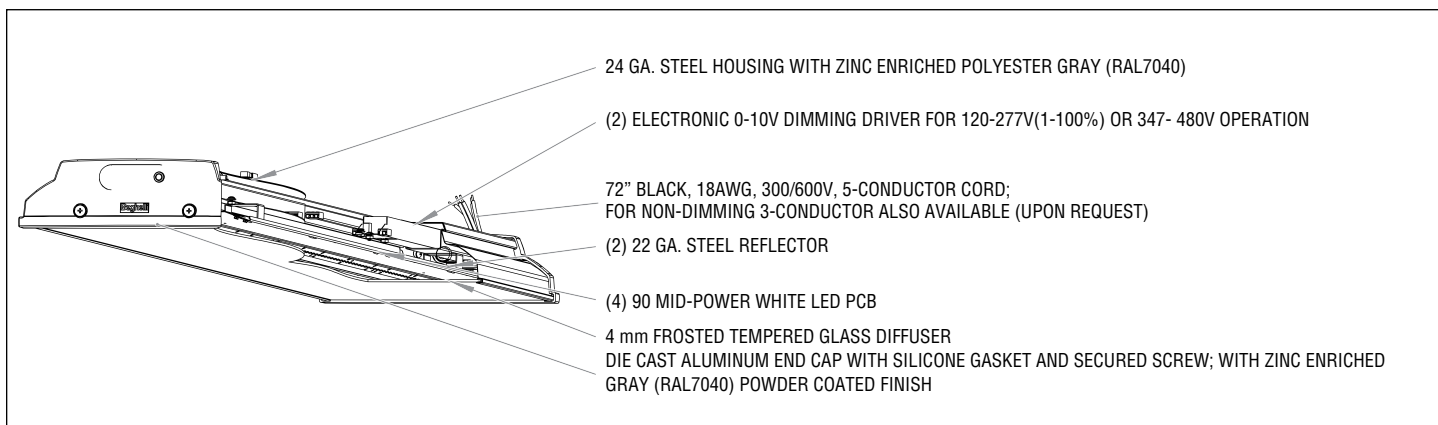
NOTE 5: Standard pendant lengths "x" = 12 (12"), 24 (24") and 48 (48")

NOTE 6: Gray housing is standard (limited availability of white)

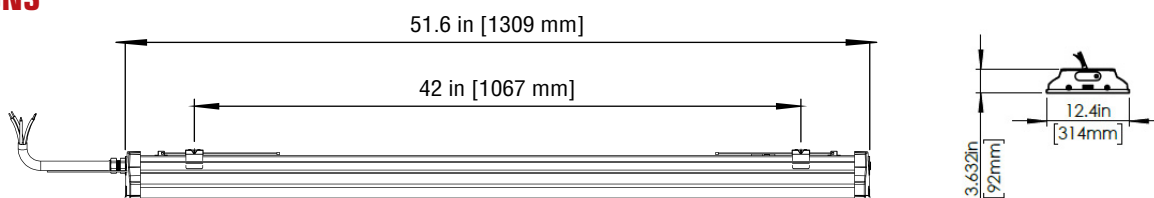
NOTE 7: OSFSP221 requires HHRFSIR handheld remote accessory

NOTE 8: 0.7"D" x 48"L x 12"W, clip-on fixture, gray

TECHNICAL INFORMATION



DIMENSIONS

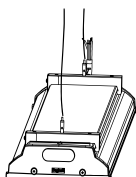


MOUNTING OPTIONS

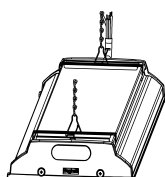
SURFACE MOUNTING (Standard) (hardware by others)



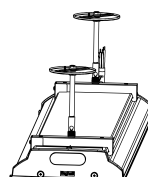
Aviation Cable Kit (2AC50BX940, 2AC72BX940)



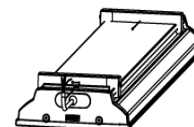
Chain Hang Kit (2CH48)



Pendant Kit (2PK12BX940, 2PK24BX940, 2PK48BX940)



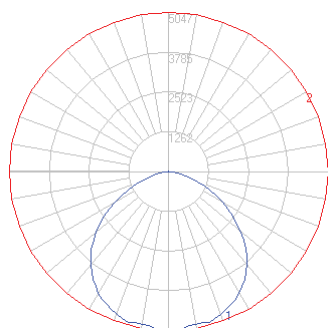
Seismic Bracket (SBXL)



PHOTOMETRICS

BX940LED 4HT LO WT40 120-277V

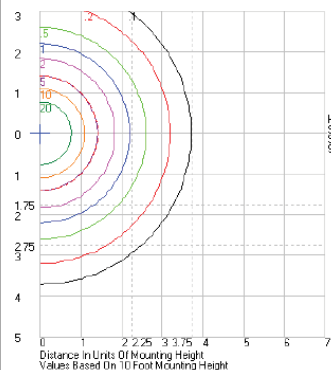
POLAR CURVES



CHARACTERISTICS

Electronic driver	
LED 4000°K	
Lumen Per Lamp	41.4 (384 lamps)
Total Lamp Lumen	15897.6
Luminaire Lumen	13667
Total Luminaire Efficiency	86 %
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	100
Ballast Factor	1.00
CIE Type	Direct

ISOLINES



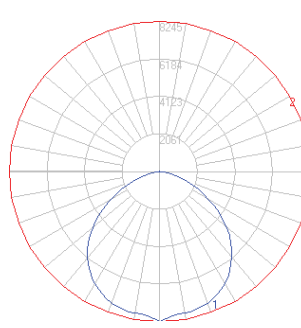
Zonal Lumen Summary

Zone	Lumen	%Lamp	%Fixt
0-20	1863.91	11.70	13.60
0-30	4011.53	25.20	29.40
0-40	6621.69	41.70	48.40
0-60	11495.23	72.30	84.10
0-80	13552.56	85.20	99.20
0-90	13666.72	86.00	100.00
10-90	13192.66	83.00	96.50
20-40	4757.79	29.90	34.80
20-50	7413.97	46.60	54.20
40-70	6317.76	39.70	46.20
60-80	2057.33	12.90	15.10
70-80	613.11	3.90	4.50
80-90	114.16	0.70	0.80
90-110	0.71	0.00	0.00
90-120	0.71	0.00	0.00
90-130	0.71	0.00	0.00
90-150	0.71	0.00	0.00
90-180	0.71	0.00	0.00
110-180	0.00	0.00	0.00
0-180	13667.43	86.00	100.00

Total Luminaire Efficiency = 86.00%

BX940LED 4HT HO WT40 120-277V

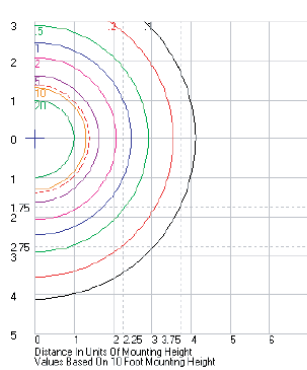
POLAR CURVES



Characteristics

Electronic driver	
LED 4000°K	
Lumen Per Lamp	66.2 (384 lamps)
Total Lamp Lumen	25420.8
Luminaire Lumen	21856
Total Luminaire Efficiency	86 %
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	160
Ballast Factor	1.00
CIE Type	Direct

ISOLINES



Zonal Lumen Summary

Zone	Lumen	%Lamp	%Fixt
0-20	2978.92	11.70	13.60
0-30	6408.09	25.20	29.30
0-40	10581.28	41.60	48.40
0-60	18382.98	72.30	84.10
0-80	21672.39	85.30	99.20
0-90	21854.5	86.00	100.00
10-90	21095.68	83.00	96.50
20-40	7602.36	29.90	34.80
20-50	11856.43	46.60	54.20
40-70	10110.1	39.80	46.30
60-80	3289.41	12.90	15.10
70-80	981.01	3.90	4.50
80-90	182.10	0.70	0.80
90-110	1.09	0.00	0.00
90-120	1.10	0.00	0.00
90-130	1.10	0.00	0.00
90-150	1.10	0.00	0.00
90-180	1.10	0.00	0.00
110-180	0.00	0.00	0.00
0-180	21855.59	86.00	100.00

Total Luminaire Efficiency = 86.00%

ACCIAIO® BX940LED

ENERGY CHART

MODEL	LENGTH	EFFICACY	CONSUMPTION WATTAGE	LUMEN OUTPUT	CRI	L70 (HRS)
BX940LED 4HT LO WT40 120-277V	4 ft	138 lm/W	100	12,900 - 13,700	>80	>100,000
BX940LED 4HT HO WT40 120-277V	4 ft	137 lm/W	160	20,700 - 21,900	>80	>100,000

ELECTRICAL RATING

PRODUCT	NOMINAL POWER (W)	AC CURRENT (A) AC VOLTAGE				FREQUENCY (HZ)	DC VOLTAGE (V)	DC CURRENT (MA)
		120V	277V	347V	480V			
BX940LED 4HT LO	100	0.85	0.37	0.29	0.21	50/60	46	1000
BX940LED 4HT HO	160	1.36	0.59	0.47	0.34	50/60	46	1000
BX940LED 4SA LO	105	0.89	0.39	0.31	0.22	50/60	46	1000
BX940LED 4SA HO	165	1.40	0.61	0.49	0.35	50/60	46	1000

DIMMER COMPATIBILITY

DIMMER	COMPATIBILITY	
	ON/OFF	DIMMING
LEVITON - AWRMG-7	YES	YES
LUTRON - DIVA - DVSTV	YES	YES
LUTRON - DIVE - DVSTV	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)
			<p>(EXTERNAL KNOCKOUT)</p> <p>External occ sensor options: OSM1*, SBOR, CRMB9, OSFSP221, etc.</p>	
INTEGRATED NODE (NOD)				
NOD* Node	EMDCB* Remote Sensor (Damp Location)	SW1* Single Switch (Damp Location)	<p>*Magnum control options are also available (NODM1 node, OSM1 sensor, 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>NODE (INTEGRATED)</p>				

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