

Type: _____

Project: _____

ACCIAIO® 940



TITLE 20

TITLE 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) or white (RAL9006). Optional 24 gauge stainless steel housing is available.

■ **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.

CONFIGURATIONS

MODEL	LENGTH	OPERATION	OUTPUT	COLOR TEMP	INPUT	MOUNTING	OPTIONS
BX940LED	4 (ft)	HT (AC only)	LO	WT30 (3000K)	120-277V	AC ² (aviation cable)	BAA (made in America)
		SA ¹ (AC & EM)	HO	WT40 (4000K)	347-480V	CH ³ (chain hang kit)	D (dali)
				WT50 (5000K)		PK ⁴ (pendant kit)	EOS ⁵ (external occupancy sensor)
						PM (pivot mount)	FP (fuse protection - 3A)
						SEISM (seismic bracket)	SP (surge protection - 10KA)
							SS (stainless steel)
							WHT (white housing)
							WG (wire guard)

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

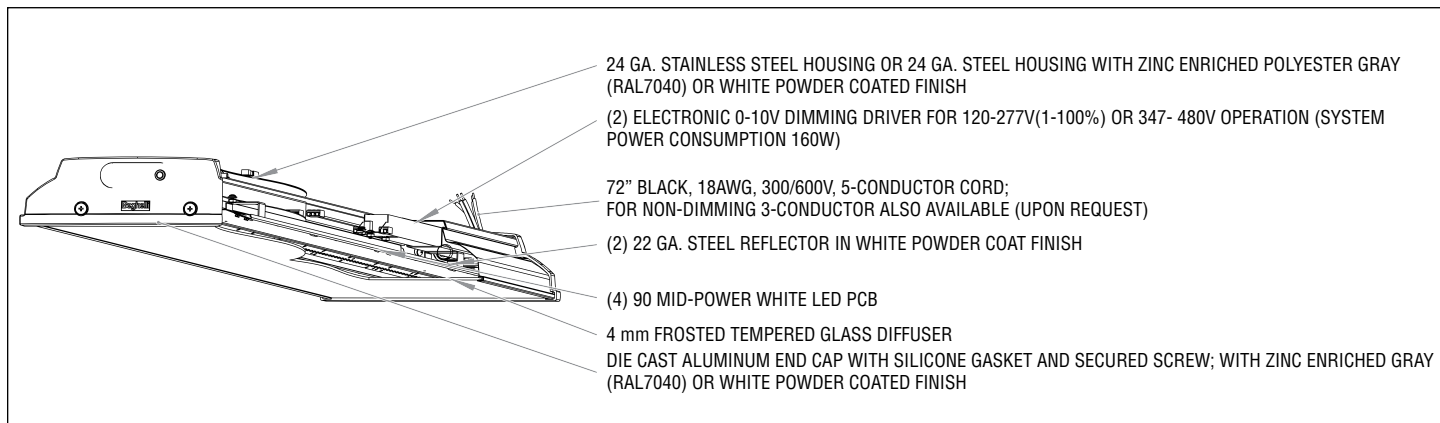
NOTE 2: Specify length for AC: 50", 72", 100", 150", 250", specify for others.

NOTE 3: Specify length for CH: 12", 24", 36", 48", specify for others.

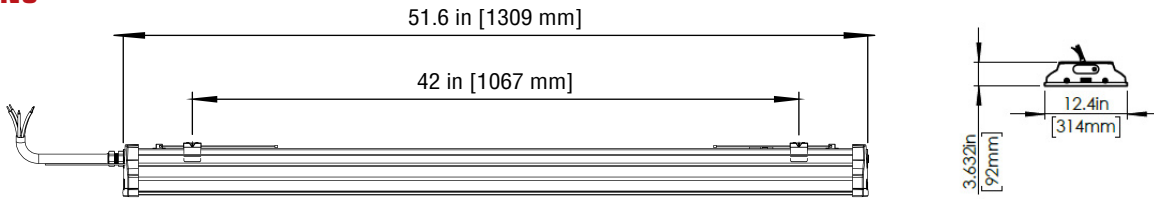
NOTE 4: Specify length for PK: 12", 24", 48", specify for others.

NOTE 5: Option of FSP-221, SBOR Family, CRMB 9.

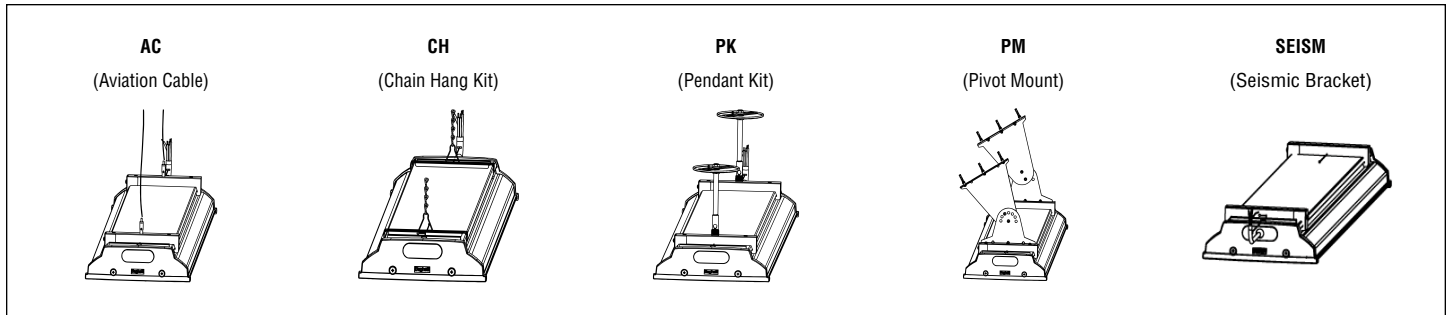
TECHNICAL INFORMATION



DIMENSIONS



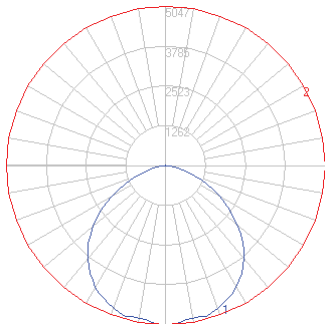
MOUNTING OPTIONS



PHOTOMETRICS

BX940LED-4HT-LO-WT40-120-277V

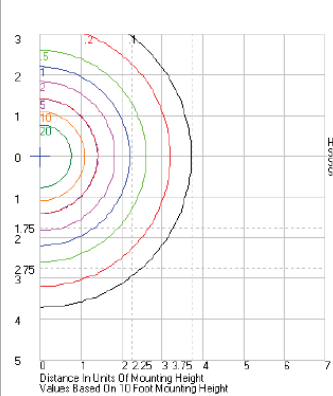
POLAR CURVES



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



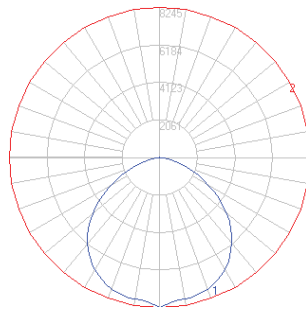
Zonal Lumen Summary

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

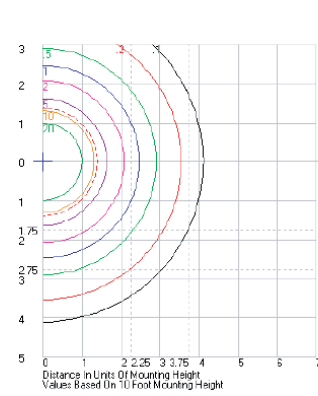
POLAR CURVES



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

ADDITIONAL INFORMATION

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

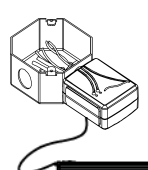
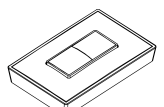
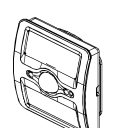
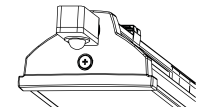


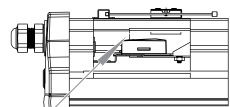
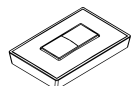

ELECTRICAL RATING

PRODUCT	NOMINAL POWER (W)	AC CURRENT (A) AC VOLTAGE		FREQUENCY (HZ)	DC VOLTAGE (V)	DC CURRENT (MA)
		120V	277V			
BX940LED-4HT-LO	100	0.83	0.36	50/60	42	(2) 1000
BX940LED-4HT-HO	160	1.33	0.56	50/60	42	(2) 1000
BX940LED-4SA-LO	105	0.88	0.38	50/60	42	(2) 1000
BX940LED-4SA-HO	165	1.38	0.60	50/60	42	(2) 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

LOGICA (WIRELESS & POWERLESS LIGHTING CONTROL SOLUTIONS)

DAISY CHAIN FIXTURES (RLYL)			EXTERNAL NODE & SENSOR (E0SL)	
<p>LOG-RLY WIRELESS RELAY (DAMP LOCATION)</p> 	<p>LOG-ESRPL SWITCH (ACCESSORY) (DAMP LOCATION)</p> 	<p>LOG-ML2 REMOTE SENSOR (ACCESSORY) (DAMP LOCATION)</p> 	<p>LOG-HBKO10V / HBKOD NODE & SENSOR (KNOCKOUT)</p> 	<p>LOG-ESRPL SWITCH (ACCESSORY) (WET LOCATION)</p> 
<p>(FIXTURES DAISY CHAIN)</p> 			<p>(EXTERNAL KNOCKOUT)</p>	
INTEGRATED NODE (NODL)				
<p>LOG-10V12 / DRD WIRELESS NODE (0-10V OR DALI)</p> 	<p>LOG-ESRPL SWITCH (ACCESSORY) (DAMP LOCATION)</p> 	<p>LOG-ML2 REMOTE SENSOR (ACCESSORY) (DAMP LOCATION)</p> 	<ul style="list-style-type: none"> For details please see lighting controls solution configurations. For Logica applications contact factory for layout and suitable solution. 	
<p>NODE (INTEGRATED)</p> <p>Maximum distance between sensor/switch and fixture: 50 ft for open space and 35 ft for areas with walls.</p>				

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