

ACCIAIO® 940

WET | IP66 | IK09 | NEMA 4X



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 highbay commercial and light industrial applications.
- **HOUSING:** 24 gauge steel construction with die-cast aluminum endcaps. Finished with zinc enriched polyester powder coat grey (RAL7040) or white (RAL9004). Optional 24 gauge stainless steel housing is available.
- **DIFFUSER:** Impact resistant 4mm frosted tempered glass diffuser with pressed silicone gasket is integrated into the housing for optimal ingress protection.
- **LUMENS:** LO: 12,900 up to 13,700 lm
HO: 20,700 up to 21,900 lm
- **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 provides 1367 lumens during power failure.
- **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.

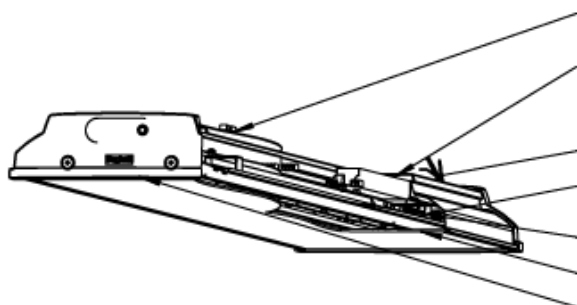
CONFIGURATIONS

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

NOTE 1: Integrated Emergency Pack; 120-277V; 10W; 1367 lm
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.

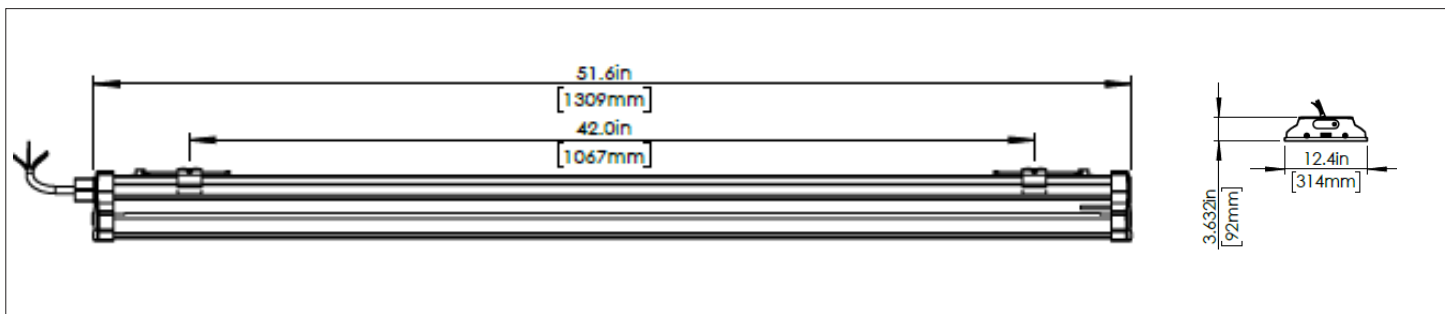
NOTE 4: Specify length for PK: 12", 24", 48", specify for others.
NOTE 5: Option of FSP-221, SBOR Family, CRMB 9

TECHNICAL INFORMATION

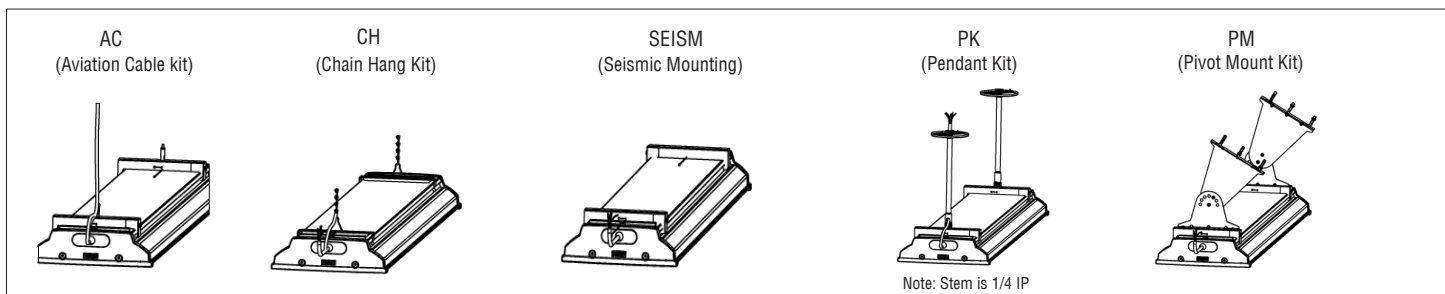


- 24 GA. STAINLESS STEEL HOUSING OR 24 GA. STEEL HOUSING WITH ZINC ENRICHED POLYESTER GREY (RAL7040) OR WHITE POWDER COATED FINISH
- (2) ELECTRONIC 0-10V DIMMING DRIVER FOR 120-277V(1-100%) OR 347-480V OPERATION (SYSTEM POWER CONSUMPTION 160W)
- 72" BLACK, 18AWG, 300/600V, 5-CONDUCTOR CORD; FOR NON-DIMMING 3-CONDUCTOR ALSO AVAILABLE (UPON REQUEST)
- (2) 22 GA. STEEL REFLECTOR IN WHITE POWDER COAT FINISH
- (4) MID-POWER WHITE LED PCB
- 4mm FROSTED TEMPERED GLASS DIFFUSER
- DIE CAST ALUMINUM END CAP WITH SILICONE GASKET AND SECURED SCREW; WITH ZINC ENRICHED GREY (RAL7040) OR WHITE POWDER COATED FINISH

DIMENSIONS



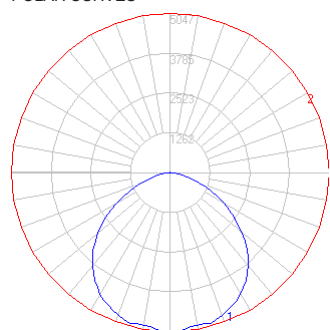
MOUNTING OPTIONS



DISTRIBUTION

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

POLAR CURVES

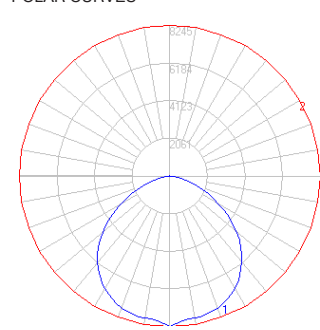


CHARACTERISTICS

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

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

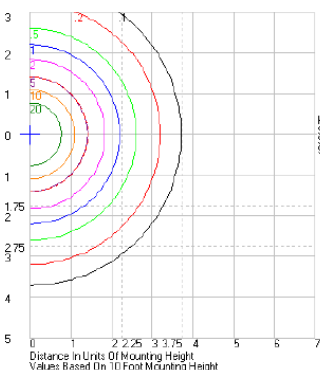
POLAR CURVES



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

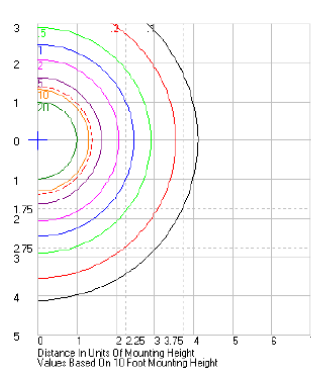


Zonal Lumen Summary

Zone	Lumen	%Lamp	%Fixt
0-20	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%

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%

BX940LED

ENERGY CHART

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

ELECTRICAL RATING

PRODUCT	NOMINAL POWER (W)	AC CURRENT (A)		FREQUENCY (HZ)	DC VOLTAGE (V)	DC CURRENT (MA)
		AC VOLTAGE 120V	AC VOLTAGE 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 - DVTV	YES	YES
WATT STOPPER - DCLV1	YES	YES


LOGICA (WIRELESS & POWERLESS LIGHTING CONTROL SOLUTIONS)

DAISY CHAIN FIXTURES (RLY)


LOG-RLY
WIRELESS RELAY
(DAMP LOCATION)




LOG-ESRPL
SWITCH
(ACCESSORY)
(DAMP LOCATION)



LOG-ML2
REMOTE SENSOR
(ACCESSORY)
(DAMP LOCATION)






(FIXTURES DAISY CHAIN)


- FOR DETAILS, PLEASE SEE LIGHTING CONTROL SOLUTION CONFIGURATIONS.
- FOR LOGICA APPLICATIONS, CONTACT FACTORY FOR LAYOUT AND SUITABLE SOLUTION.

INTEGRATED NODE (NODL)


NODL
LOG-10V12/DRD
WIRELESS NODE
(0-10V OR DALI)



LOG-ESRPL
SWITCH
(ACCESSORY)
(DAMP LOCATION)



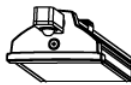
LOG-ML2
REMOTE SENSOR
(ACCESSORY)
(DAMP LOCATION)



Maximum distance between sensor/switch and fixture 50FT for open space and 35FT for areas with walls

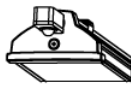
EXTERNAL NODE (EOSL)

EOSL
(wet location)



(EXTERNAL-KNOCKOUT)

LOG-HBKO10V/HBKOD
NODE & SENSOR
(KNOCK-OUT)



LOG-ESRPL
SWITCH
(ACCESSORY)
(WET LOCATION)

