

AUKĪO GEN 2 - KIOR










LED LINEAR RECESSED

CONTINUOUS RUN FROM 2FT TO 100FT

OPTIONAL EMERGENCY REMOTE

The Aukĭo GEN 2 is a robust LED luminaire that offers a high-power source that is ideal for work and commercial spaces. The Aukĭo series allows you to achieve a consistently simple and elegant look throughout a space, without compromising the efficiency.



OVERVIEW			
LIGHT SOURCE	LED	COLOR TEMPERATURE [K]	3 000, 3 500, 4 000, 5 000
WATTAGE ¹ [W]	13.6 - 36.5	CRI	90+
LUMENS [LM]	320 - 850	WEIGHT [LBS]	2.863
LM/W	93.15 - 94.12		
<div>    ²       </div>			

¹ Information based on 48" fixture. For more information, please refer to IES files.

² 5 year warranty for the BRIDGE module.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.



FEATURES & SPECIFICATIONS

CONSTRUCTION

Housing

The body is made of extruded aluminum.

Lens

Opal acrylic frosted lens diffuses light evenly.

Finishes

Matte silver, semi-gloss white, matte black finish standard and other special color option available upon request.

INSTALLATION

Recessed for drywall only. Suitable for outdoor covered soffits. Delivered with support brackets. Comes with "BX" connector. Consult factory for different ceiling systems.

SPECIFICATIONS

Driver Options

DIM2 - Line voltage driver 120V
DALI1 - Digital addressable lighting interface driver (Not available in 347V)

Ambient temperature:
-20°C ~ +50°C

OPTIONAL EMERGENCY LIGHTING

BRIDGE Normally ON Emergency Remote LED Linear Recessed

- Consuming 11 W, 12 - 24 V DC
- 200 mA constant current
- Delivers 847 - 908 lumens in emergency mode
- Ease of maintenance when used with AimLite emergency lighting battery units complete with auto test function
- Complements AimLite's normally ON LED linear recessed family
- Patent pending

Please view the **BRIDGE** specification section for more details on this technology

EMERGENCY LIGHTING COMPLIANCES

- CSA certified as a C22.2 C141-15 emergency lighting luminaire
- Meets ICES-005 requirements

GENERAL LIGHTING COMPLIANCES

- cCSAus
- ICES-005 for Class A products
- CSA Certified to C22.2#141-15 (When used with BRIDGE option)
- Suitable for damp locations

APPROVED DIMMER LIST

LUTRON	VISIT WWW.LUTRON.COM/ADVANCE FOR A LIST OF DIMMERS (MARK VII) THAT WILL WORK WITH THIS DRIVER
LEVITON	ILLUMATECH IP7 SERIES
PHILIPS	SUNRISE - SR1200ZTUNV

TM21 TABLE

TIME (T) AT WHICH TO ESTIMATE LUMEN MAINTENANCE (HOURS)	50 000
LUMEN MAINTENANCE AT TIME (T) [%]	88.47 %
CALCULATED L70 (HOURS)	150 000
REPORTED L70 (HOURS)	>90 000

Note: Lumens are based on 3 000 K color temperature.

ORDERING GUIDE

KIOR		L		90		/			/	
------	--	---	--	----	--	---	--	--	---	--

SERIES	DIMENSIONS ¹	LAMP TYPE	LUMEN PACKAGE [LM/FT]	CRI	VOLTS [V AC]	COLOR TEMP. [K]	CASTING COLOR	OPTIONS
KIOR	02 - 2' 03 - 3' 04 - 4' 05 - 5' 06 - 6' 07 - 7' 08 - 8' 09 - 9' 10 - 10' 11 - 11' 12 - 12' 13 - 13' 14 - 14' 15 - 15' 16 - 16' 17 - 17' 18 - 18' 19 - 19' 20 - 20' 21 - 21'	L - LED	A1 - 320 A2 - 425 A3 - 642 A4 - 850	90 - 90+	4 - 120 2 - 120-277 8 - 347	30K - 3 000 35K - 3 500 40K - 4 000 50K - 5 000	S - SILVER W - WHITE B - BLACK SP ⁶ - SPECIAL COLOR	DIM2 - LINE VOLTAGE DIMMING DRIVER 120V DALI1 - DIGITAL ADDRESSABLE LIGHTING INTERFACE DRIVER (NOT AVAILABLE IN 347V) EL1 ^{2,5} - 1 BRIDGE NORMALLY ON EMERGENCY REMOTE EL2 ^{3,5} - 2 BRIDGE NORMALLY ON EMERGENCY REMOTE EL ^{4,5} - BRIDGE NORMALLY ON EMERGENCY REMOTE

¹ For lengths longer than 21', please consult factory.

² EL1 BRIDGE Normally On option for lengths 2' to 8', only up to 4' lighted up in emergency mode.

³ EL2 BRIDGE Normally On option for lengths 5' to 8', full length lighted up in emergency mode.

⁴ EL BRIDGE Normally On emergency option for lengths greater than 8' consult factory.

⁵ Please check BRIDGE Technical Specifications Table for delivery lumens with /EL option.

⁶ For custom color, please consult factory.

When in emergency mode, luminaire only consumes 11 W.

For emergency lighting spacing, please see page 5.

BRIDGE TECHNICAL SPECIFICATIONS TABLE

LUMEN PACKAGE	BRIDGE WATTS [W/FT]	3 000 K	3 500 K	4 000 K	5 000 K
		BRIDGE LUMEN OUTPUT [LM/FT]	BRIDGE LUMEN OUTPUT [LM/FT]	BRIDGE LUMEN OUTPUT [LM/FT]	BRIDGE LUMEN OUTPUT [LM/FT]
A1	4	219.14	219.14	221.33	221.33
A2	5	222.54	222.54	224.79	227.02
A3	7	212.83	212.83	214.96	217.09
A4	9	211.87	211.87	213.99	216.10

* Data based on 90CRI fixtures.

FIXTURE LENGHT

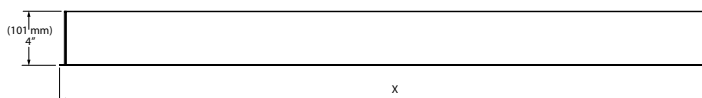
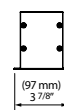
DIMENSIONS	IMPERIAL [FT]	METRIC [MM]
02 FT	2' 1 1/8"	638
03 FT	3' 7/8"	936
04 FT	4' 5/8"	1 234
05 FT	5' 3/8"	1 533
06 FT	6' 1/8"	1 831
07 FT	6' 11 7/8"	2 130
08 FT	7' 11 5/8"	2 428
09 FT	8' 11 11/16"	2 737
10 FT	9' 11 1/2"	3 035
11 FT	10' 11 3/16"	3 334
12 FT	11' 11"	3 632
13 FT	12' 10 15/16"	3 936
14 FT	13' 10 11/16"	4 234
15 FT	14' 10 7/16"	4 532
16 FT	15' 10 3/16"	4 831
17 FT	16' 10 1/8"	5 134
18 FT	17' 9 15/16"	5 433
19 FT	18' 9 5/8"	5 731
20 FT	19' 9 7/16"	6 030
21 FT	20' 9 5/16"	6 333

¹ Over 21 feet, consult factory.

DIMENSIONS

FRONT VIEW

SIDE VIEW



BRIDGE

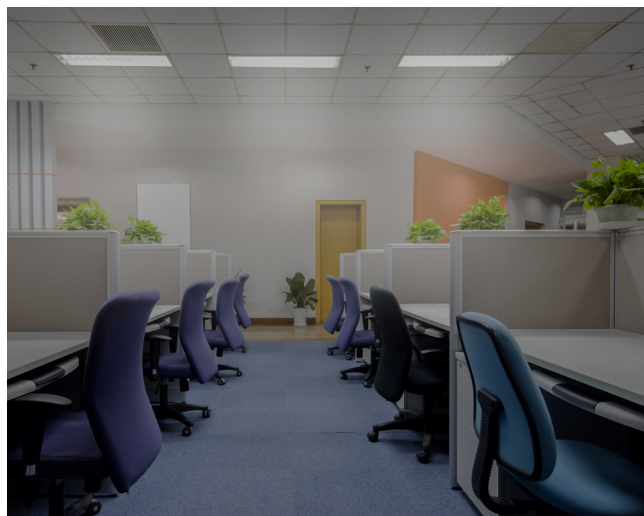
NORMALLY ON EMERGENCY REMOTE LUMINAIRE

This luminaire can be used with an emergency backup powered by either a 12 V or 24 V DC AimLite battery unit, complete with or without auto test.

NORMAL MODE



EMERGENCY MODE



TYPICAL SPECIFICATION

Supply and install AimLite BRIDGE ____ft, LED linear recessed Model number: _____ remote normally ON emergency luminaire, CSA C22.2 141-15 certified and meet the requirements prescribed by ICES-005. Normally ON when AC is present and when connected to an AimLite battery unit complete with or without auto test, the luminaire shall act as an emergency lighting remote and consume 11 W of DC power in ____ V producing 997 - 1 068 lumens in emergency mode.

The remote normally ON emergency luminaire shall be powered by an AimLite emergency lighting battery unit as described herein and shown on the drawings. The AimLite auto diagnostic micro-controller board shall supply the rated load for a minimum of a 1/2 hour to 87.5% of the rated battery voltage. The unit shall be rated 120 V, 277 V or 347 V, 60 Hz and be CSA listed. The unit shall have an output of: __V and __W.

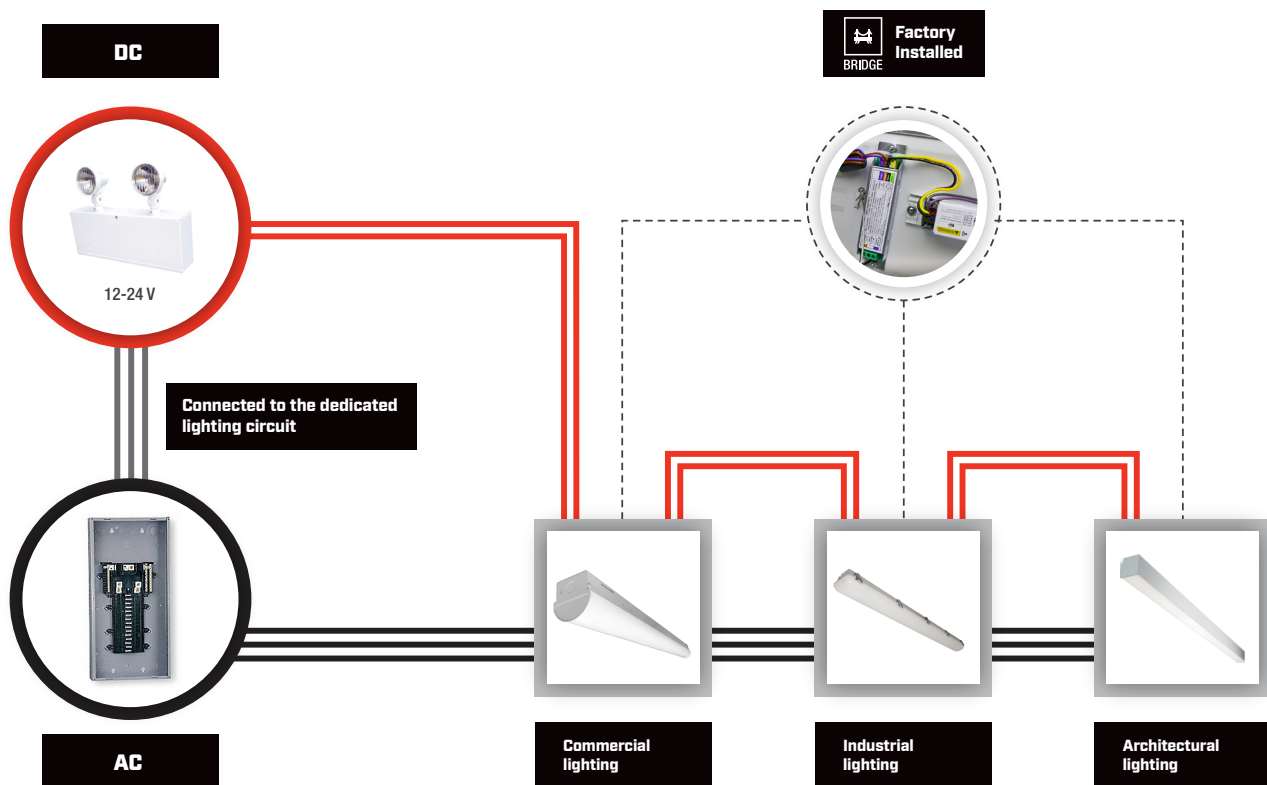
The charge voltage factory set to $\pm 1\%$ tolerance. High efficiency, rapid recovery, precision control charging system shall be employed to promote long battery life and reduce the potential for grid corrosion. The charger shall provide a continuous high charge to recharge the battery, when the battery is at full capacity, the charger will shut-off. Periodically the charger shall provide a pulse of energy to keep the battery topped off. The pulse charger shall be precisely regulated and shall charge the battery in relation to its temperature, state of charge and input voltage fluctuations. The charger shall be current limited, temperature compensated, short-circuit proof and reverse polarity protected. The unit shall be furnished with an electronic lockout circuit, which will connect the battery when the AC circuit is activated, and an electronic brownout circuit, which will activate the emergency lights when utility power dips below 75% of nominal voltage. A low voltage battery protection circuit shall be provided and will disconnect the load when the battery reaches the end of discharge.

The automated testing performed by the AimLite auto test system has been designed to comply with all of the requirements of the National Fire Code. Every month, a 5 minute discharge and diagnostic test checks the operational status of the unit. Every 12 months, this test is extended to the full 30 minute, code required duration. This ensures that the battery charger is recharging the battery in accordance with code requirements.

The unit shall be AimLite model: EBST _____

BRIDGE NORMALLY ON EMERGENCY REMOTE LUMINAIRE

BRIDGE WIRING DIAGRAM



LEGEND



AC wires



Connected to the dedicated lighting circuit



DC wires



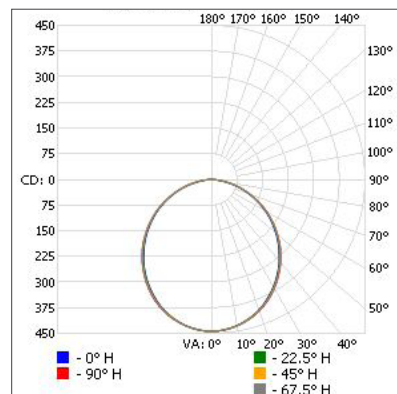
BRIDGE Factory Installed

Emergency mode	Spacing
KIOR	Average spacing for 1 out of every 4 luminaires, normally ON in the path of egress, when at 8, 10, or 12 foot mounting heights.

GENERAL LIGHTING PHOTOMETRIC DATA¹

KIOR-04LA190-XX-40K • 1 223.2 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	339.9	27.8
0-40	552.7	45.2
0-60	966.2	79
60-90	257.1	21
70-100	108.9	8.9
90-120	0	0
0-90	1 223.2	100
90-180	0	0
0-180	1 223.2	100

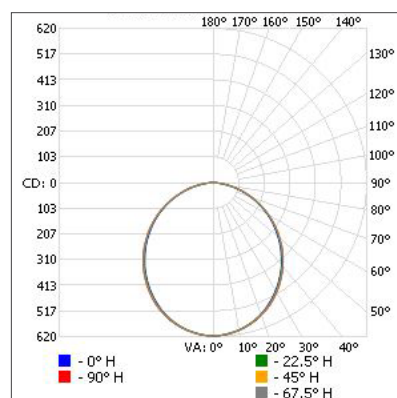
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0'	111.1	5.5'	5.7'
4.0'	27.8	10.9'	11.3'
6.0'	12.3	16.4'	17.0'
8.0'	6.9	21.9'	22.7'
10.0'	4.4	27.4'	28.4'

■ Vert. Spread: 107.7° ■ Hor. Spread: 109.6°

KIOR-04LA290-XX-40K • 1 698.9 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	472	27.8
0-40	767.6	45.2
0-60	1 341.9	79
60-90	357	21
70-100	151.3	8.9
90-120	0	0
0-90	1 698.9	100
90-180	0	0
0-180	1 698.9	100

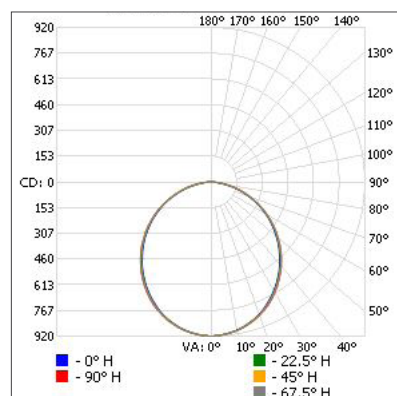
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0'	154.2	5.5'	5.7'
4.0'	38.6	10.9'	11.3'
6.0'	17.1	16.4'	17.0'
8.0'	9.6	21.9'	22.7'
10.0'	6.2	27.4'	28.4'

■ Vert. Spread: 107.7° ■ Hor. Spread: 109.6°

KIOR-04LA390-XX-40K • 2 531.4 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	703.3	27.8
0-40	1 143.7	45.2
0-60	1 999.4	79
60-90	532.0	21
70-100	225.4	8.9
90-120	0	0
0-90	2 531.4	100
90-180	0	0
0-180	2 531.4	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0'	229.8	5.5'	5.7'
4.0'	57.5	10.9'	11.3'
6.0'	25.5	16.4'	17.0'
8.0'	14.4	21.9'	22.7'
10.0'	9.2	27.4'	28.4'

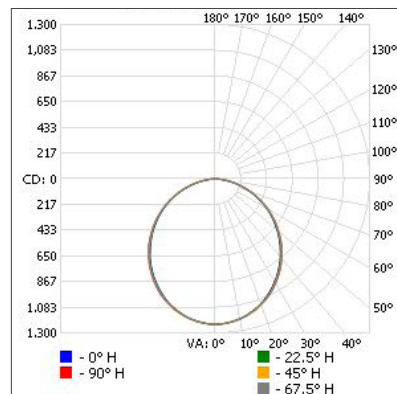
■ Vert. Spread: 107.7° ■ Hor. Spread: 109.6°

¹ Complete IES files available on our website.

GENERAL LIGHTING PHOTOMETRIC DATA¹

KIOR-04LA490-XX-40K• 3 380.8 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	939.3	27.8
0-40	1 527.6	45.2
0-60	2 670.4	79
60-90	710.5	21
70-100	301.0	8.9
90-120	0	0
0-90	3 380.8	100
90-180	0	0
0-180	3 380.8	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0'	307.0	5.5'	5.7'
4.0'	76.7	10.9'	11.3'
6.0'	34.1	16.4'	17.0'
8.0'	19.2	21.9'	22.7'
10.0'	12.3	27.4'	28.4'

■ Vert. Spread: 107.7° ■ Hor. Spread: 109.6°

¹ Complete IES files available on our website.