



SPECIFICATION SHEET



APPLICATIONS

ULTRA EFFICIENT LINEAR LED HIGH BAY delivers industry-leading performance with an extremely attractive return on investment (ROI). Superior performance, ultra-high-efficacy and premium quality provides superior solution for high ceiling applications, especially warehouse spaces. Delivering high output, quality light and low energy consumption can improve warehouse safety and productivity, lower maintenance cost and reduce operating costs.

SPECIFICATION FEATURES

CONSTRUCTION

Rugged and durable construction withstands warehouse environments. Luminaire features matte white durable finish.

ELECTRICAL

Luminaire utilizes high-efficacy LED packages maintained at cool temperatures for long life, high efficacy. Reliable high-efficiency driver features continuous dimming. Universal voltage 120-277V for convenient installation. Comes equipped with luminaire quick-disconnect.

OPTICAL SYSTEM

Reflector systems features highly reflective coating, delivering adequate light for high-mounting buildings. Diffuser lens reduces glare and improves occupant working conditions while maintaining high efficiency emission.

INSTALLATION AND MOUNTING

Various mounting options available, including pendant, surface mount, suspension. V-hook hangers and chain accessories included.

CONTROLS AND DIMMING

Continuous dimming (0-10V) comes standard. Suitable for use with dimmers, sensors, daylight harvesting and other control strategies to achieve deeper energy savings and code compliance.

CERTIFICATION AND WARRANTY

UL Listed. All components have UL certification. UL Class 2. Driver: SCP, OTP, OVP protection, FCC Part 15 Class B, UL8750 Class 2. DLC Premium. 10-year limited warranty.



Ordering Example: rAO-LHB-100-50-UE

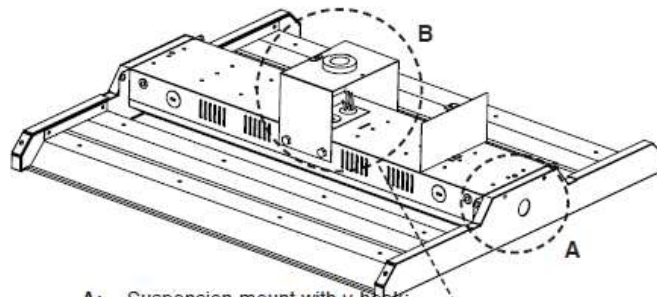
Product Series: rAO-LHB = Linear High Bay Luminaire

WATTAGE	CCT	VOLTAGE	SENSOR	EMERGENCY BACKUP	CONTROLS	ACCESSORIES	GENERATION
<i>2ft. Fixture</i> 70=70 Watts 100=100 Watts 150=150 Watt	50=5000K	[Blank]= 120-277V 48V=480V	[Blank]= 0-10V Continuous Dimming	[Blank]=No Emergency Backup EM14=1400lm EM20=2000lm EM24=2400lm	[Blank]=No Control OS=Occupancy Sensor OSDL=Occupancy Sensor with Daylight OSDL/BT=Wireless Bluetooth Occupancy Sensor OSDL/IR=Multi-Level Occupancy Sensor with Wireless Configuration	[Blank]=No Accessory ACC=Aircraft Cable Suspension Kit CRD=Cord SP10=10kA Surge Protector WG=Wire Guard PMK=Single- point Pendant- mount Kit	UE=Ultra Efficient

TECHNICAL PARAMETERS

Input Wattage	70W	100W	150W
Input Voltage (AC)	120V-277V	120V-277V	120V-277V
Input Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Delivered Lumens	11,270lm	16,905lm	24,150lm
Efficacy	161lm/W	161lm/W	161lm/W
CRI	83+, R9 > 0	83+, R9 > 0	83+, R9 > 0
CCT	5000K	5000K	5000K
Color Consistency	5-step MacAdam Ellipse	5-step MacAdam Ellipse	5-step MacAdam Ellipse
Lifespan (Hours)	100,000		
L70	TBD		
Power Factor	> 0.9		
THD	< 20%		
Dimming	0-10V Continuous (10-100%)		
Operating Temperature	-20° C to 50° C		

MOUNTING INFORMATION

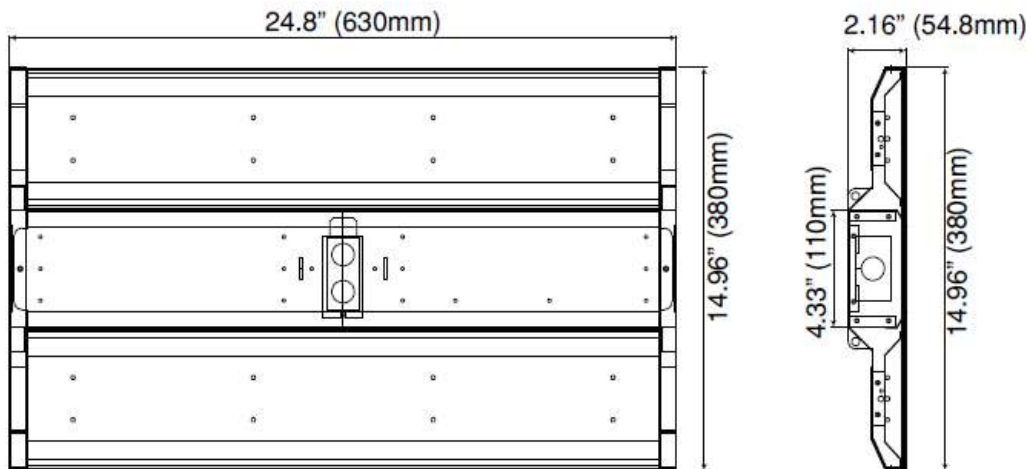


- A: Suspension-mount with v-hook.
Chain or cable
- B: Pendant Mount



PMK Pendant-mount Kit
(sold separately)

PRODUCT DIMENSIONS



ACCESSORY OPTIONS

MOUNTING ACCESSORIES

PMK	Pendant-mount Kit (1/2" NPT Hole Size)
SMB	Surface-mount Bracket
ACC	Aircraft Cable – 10' 1/16 Cable Toggle Kit with Grip Lock
HB-MH-1/2 NPT	Mounting Hook compatible with PMK, 1/2" NPT Chase Nipple, White Finish

CORD SET

CRD-A	SO Cord 6' 18/3
CRD-B	SO Cord 10' 18/3
CRD-C	SO Cord 12' 18/3
CRD-D	SO Cord 15' 18/3
CRD-E	SO Cord 20' 18/3
CRD-F	SO Cord 25' 18/3
CRD-G	SO Cord 30' 18/3

PLUG

PLG-1	Straight Plug, 120V, NEMA 5-15P
PLG-2	Twist-Lock, 120V, NEMA L5-15P
PLG-3	Straight Plug, 277V, NEMA 7-15P
PLG-4	Twist-Lock, 277V, NEMA L7-15P
PLG-5	Twist-Lock, 480V, NEMA L8-20P
PLG-6	Twist-Lock, 250V, NEMA L6-15P

SURGE PROTECTOR

SP10	10kA Surge Protector
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CONTROL PRE-COMMISSIONING



L2	10H	3L	10M	30M
Lens / Coverage	High Level	Low Level	Time Delay	Cut-Off
L2 8' height (60' dia.)	10H 100%	1L 10%	30S 30 seconds.	#M 1-59 minutes.
L3 20' height (40' dia.)	9H 90%	2L 20%	#M 1-30 minutes.	#H 1-5 hours.
L7 40' height (100' dia.)	8H 80%	3L 30%	# = enter number of minutes from 1 to 30 minutes.	0 Disabled.
	7H 70%	4L 40%		# = enter number of minutes or hours.
	6H 60%	5L 50%		
	5H 50%	6L 60%		
		7L 70%		

High Level When the sensor detects motion the dimming control output ramps up to the selected HIGH light level.

Low Level After the sensor stops detecting motion and the time delay expires the dimming control output fades down to the selected LOW light level.

Time Delay The selected time-period that must elapse after the last time the sensor detects motion for the electric lights to fade to LOW mode.

Cut-Off The time-period that must elapse after the lights fade to Low mode and the sensor detects no motion for the electric lights to turn OFF.

Ramp Up The time-period light level to increase from LOW to HIGH.

Fade Down The time-period for light level to decrease from HIGH to LOW.

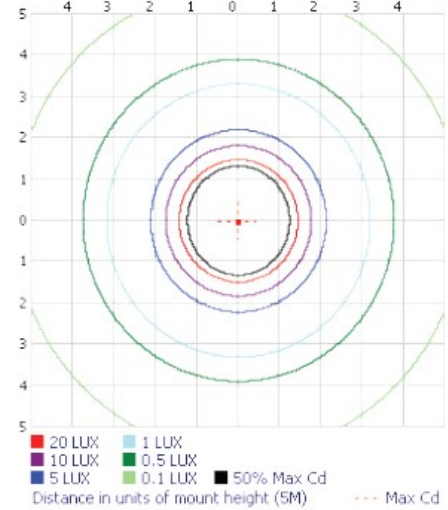
** Only Available for OSDL/IR

PHOTOMETRIC DATA

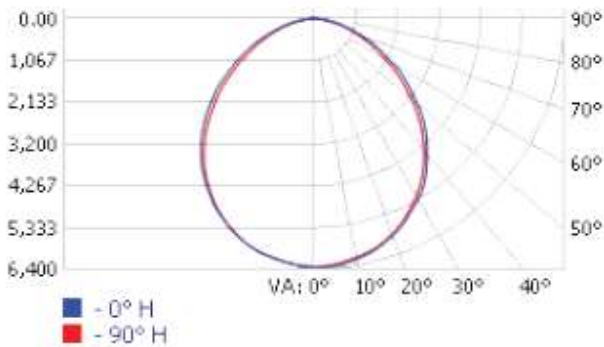
rAO-LHB-100-50-UE Tested in accordance to IESNA LM-79

ILLUMINANCE AT A DISTANCE - MAX. 30 FT.

HEIGHT(FT)	FOOTCANDLE	HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL
6.00	175.90 LUX	14.8	15.9	50.0	56.2
12.00	43.92 LUX	29.6	31.8	100.0	112.4
18.00	19.54 LUX	44.4	47.6	150.0	168.6
24.00	10.99 LUX	59.2	63.5	199.9	224.9
30.00	7.04 LUX	74	79.4	249.9	281.1
		BEAM ANGLE		FIELD ANGLE	
		101.9°	105.8°	153°	155.9°



Polar Graph



Zonal Lumen Summary

ZONE	LUMENS	% LUMINAIRE
0-30	4,880.9	30%
0-40	7,932.7	48.8%
0-60	13,490.7	83%
60-90	2,765.4	17%
70-100	1,050.4	6.5%
90-120	0.000	0%
0-90	16,256.1	100.0%
90-180	0.000	0.3%
0-180	16,256.1	100%