

SPECIFICATION SHEET



APPLICATIONS

SLIM 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 an economic 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. Provides high output illumination for various commercial industrial applications with high ceilings: gymnasiums, manufacturing, retail, and warehouse.

SPECIFICATION FEATURES

CONSTRUCTION

Rugged and durable construction withstands warehouse environments. Luminaire features matte white durable finish. Suitable for damp location.

ELECTRICAL

Luminaire utilizes high-efficacy LED packages maintained at cool temperatures for long life, high efficacy. Reliable driver features continuous dimming. Universal voltage 120-277V. 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, chain accessories, pendant, surface mount, suspension, and V-hook hangers.

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. 7-year limited warranty.



Ordering Example: rAO-LHB-225-50-DIM

Product Series: rAO-LHB = Linear High Bay Luminaire

WATTAGE	CCT	VOLTAGE	SENSOR	EMERGENCY BACKUP	CONTROLS	ACCESSORIES
<i>2ft. Fixture</i> 90=90 Watts 135=135 Watts 162=162 Watts 178=178 Watts 215=215 Watts <i>4ft. Fixture</i> 225=225 Watts 275=275 Watts 320=320 Watts	40=4000K 50=5000K	[Blank]=120-277V 48V=480V	DIM=0-10V Continuous Dimming	[Blank]=No Emergency Backup EM14=1400lm EM20=2000lm EM24=2400lm	[Blank]=No Controls OS=Occupancy Sensor (On/Off) OSDL=Occupancy Sensor with Daylight Function OSDL/BT=Wireless Bluetooth Occupancy Sensor OSDL/IR=Multi-Level Occupancy Sensor with Wireless Configuration	[Blank]=No Accessory WG=Wire Guard PMK=Single-point Pendant-mount Kit ACC=Aircraft Cable Suspension Kit CRD=Cord SP10=10kA Surge Protector

NOTES:

Quick ship: 5000K and dAO-LHB-90, dAO-LHB-162, dAO-LHB-215 are available in 4000K. Other CCTs may require a lead time or be special order.

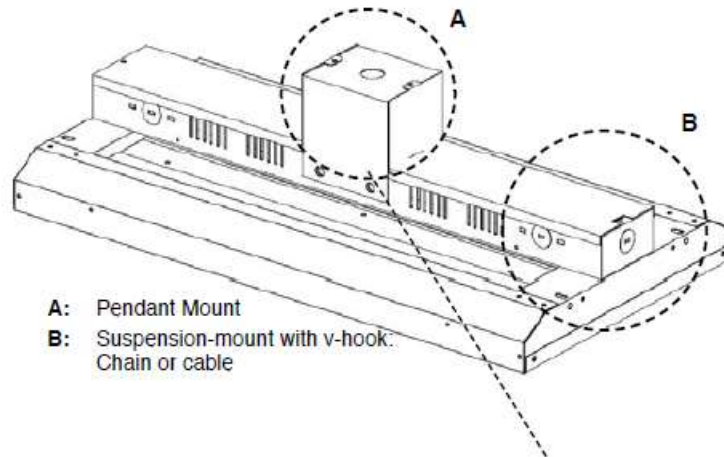
TECHNICAL PARAMETERS

Input Wattage	90W		135W		162W		178W	
Input Voltage (AC)	120V-277V		120V-277V		120V-277V		120V-277V	
Input Frequency	50/60 Hz		50/60 Hz		50/60 Hz		50/60 Hz	
Efficacy	135lm/W		135lm/W		135lm/W		135lm/W	
CRI	83+, R9 > 0		83+, R9 > 0		83+, R9 > 0		83+, R9 > 0	
CCT	4000K	5000K	4000K	5000K	4000K	5000K	4000K	5000K
Delivered Lumens	11,475lm	11,560lm	17,550lm	17,680lm	20,925lm	21,080lm	22,950lm	23,120lm
Color Consistency	5-step MacAdam Ellipse							
Lifespan (Hours)	75,000							
L70	>54,000 hours							
Power Factor	> 0.9							
THD	< 20%							
Dimming	0-10V Continuous (10-100%)							
Operating Temperature	-20° C to 55° C							

See table on page 3 for 215W – 320W

Input Wattage	215W		225W		275W		320W	
Input Voltage (AC)	120V-277V		120V-277V		120V-277V		120V-277V	
Input Frequency	50/60 Hz		50/60 Hz		50/60 Hz		50/60 Hz	
Efficacy	135lm/W		135lm/W		135lm/W		135lm/W	
CRI	83+, R9 > 0		83+, R9 > 0		83+, R9 > 0		83+, R9 > 0	
CCT	4000K	4000K	5000K	4000K	4000K	5000K	4000K	5000K
Delivered Lumens	28,350lm	28,560lm	28,350lm	28,560lm	34,425lm	34,680lm	40,500lm	40,800lm
Color Consistency	5-step MacAdam Ellipse							
Lifespan (Hours)	75,000							
L70	>54,000 hours							
Power Factor	> 0.9							
THD	< 20%							
Dimming	0-10V Continuous (10-100%)							
Operating Temperature	-20° C to 55° C							

MOUNTING INFORMATION

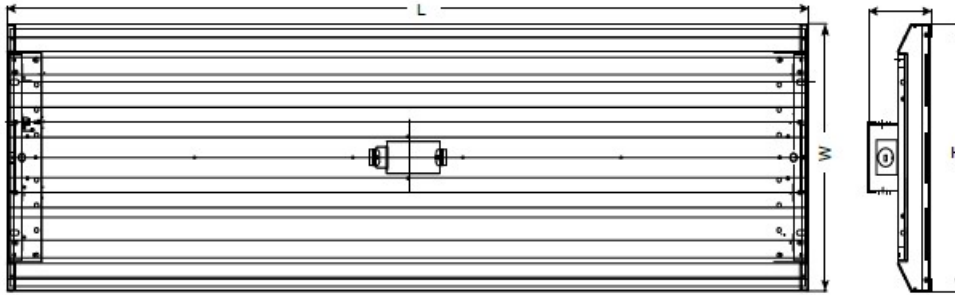


- A:** Pendant Mount
B: Suspension-mount with v-hook.
Chain or cable



PMK Pendant-mount Kit
(sold separately)

PRODUCT DIMENSIONS



ITEM	L	W	H
dAO-LHB-90-50-DIM	23.8" (605mm)	13.0" (330mm)	3.6" (92.5mm)
dAO-LHB-135-50-DIM	23.8" (605mm)	13.0" (330mm)	3.6" (92.5mm)
dAO-LHB-162-50-DIM	23.8" (605mm)	13.0" (330mm)	3.6" (92.5mm)
dAO-LHB-178-50-DIM	23.8" (605mm)	17.3" (440mm)	3.6" (92.5mm)
dAO-LHB-215-50-DIM	23.8" (605mm)	17.3" (440mm)	3.6" (92.5mm)
dAO-LHB-225-50-DIM	45.9" (1166mm)	13.0" (330mm)	3.6" (92.5mm)
dAO-LHB-275-50-DIM	45.9" (1166mm)	13.0" (330mm)	3.6" (92.5mm)
dAO-LHB-320-50-DIM	45.9" (1166mm)	13.0" (330mm)	3.6" (92.5mm)

ACCESSORY OPTIONS

MOUNTING ACCESSORIES

PMK	Pendant-mount Kit
PMK-3/4NPT	Pendant-mount Kit (3/4" NPT hole size)
PMK-BD-1/2NPT	Pendant-mount kit for 6" wide driver gear box (1/2" NPT hole size)
SMB	Surface-mount Bracket
ACC	Aircraft Cable – 10' 1/16 Cable Toggle Kit with Grip Lock
HM-MH-1/2 NPT	Mounting Hook compatible with PMK, 1/2" NPT Nipple, White Finish

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

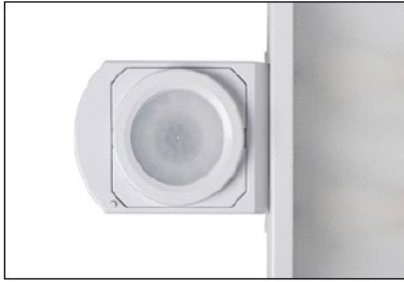
CORD SET

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

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 Time period for light level to increase from LOW to HIGH.

Fade Down Time period for light level to decrease from HIGH to LOW.

** Only Available for OSDL/IR