



Model #	
Type	
Project	
Date	

LHB3-SERIES

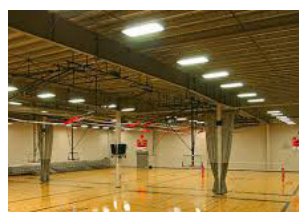
LINEAR HIGH BAY

The LHB3-Series Linear High Bay provides high efficacy and energy savings to projects that require optimized lighting in high ceiling applications. These linear high bays are great as energy efficient replacements for traditional fluorescent fixtures and HID highbays.



HIGHLIGHTS

- DLC Premium listed
- Up to 150 lm/W
- 80+ CRI
- Instant start (flicker-free)
- 1-10V Dimmable
- Frosted diffuser
- Chain hanging kit included
- 10-foot cord included
- Six installation methods
- Optional factory-installed battery backup available (compatible with 120-277V models only)

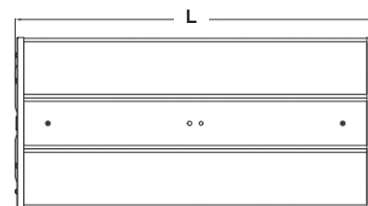


APPLICATIONS

Designed for commercial, corridor, garage, gymnasium, industrial, manufacturing, office, retail and warehouse applications.

DIMENSIONS

DIMENSIONS					
VOLTAGE (V)	WATTAGE (W)	L (inches/mm)	W (inches/mm)	H (inches/mm)	WEIGHT (kg/lbs)
120-277	90	24-13/16" (630mm)	11-13/16" (300mm)	1-7/8" (48mm)	3.2kg / 7.1lbs
	135				3.5kg / 7.7lbs
	165				3.5kg / 7.7lbs
	220				4.0kg / 8.8lbs
120-277 /347	90	24-13/16" (630mm)	11-13/16" (300mm)	1-7/8" (48mm)	3.2kg / 7.1lbs
	135				3.5kg / 7.7lbs
	165				3.5kg / 7.7lbs
	220				4.0kg / 8.8lbs
277-480	90	24-13/16" (630mm)	12-13/16" (325mm)	1-7/8" (48mm)	4.6kg / 10.1lbs
	135		14-3/16" (360mm)		4.1kg / 9.0lbs
	165				4.6kg / 10.1lbs
	220				4.6kg / 10.1lbs



ORDERING GUIDE							
SERIES	-	POWER (W)	CCT	-	VOLTAGE	-	CORD LENGTH
LHB3	-	90: 90W	4: 4000K	-	1: 120-277V	-	W110: 300V 18/3 SJTW white cord, 10', included
		135: 135W	5: 5000K		2: 277-480V		W210: 600V 18/3 STW white cord, 10', included
		165: 165W			3: 120-277/347V		
		220: 220W					

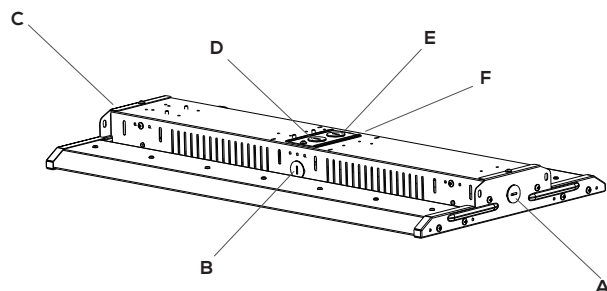
FACTORY-INSTALLED OPTIONS			
CUSTOM CORD LENGTH	CORD END	SENSOR	BACKUP BATTERY
W1xx: 300V 18/3 SJTW white cord XX to specify length, up to 99' W2xx: 600V 18/3 STW white cord XX to specify length, up to 99'	Blank: Default, no cord end N01: 125V 15A straight plug N02: 250V 15A straight plug N04: 125V 15A locking plug N05: 250V 15A locking plug N06: 277V 15A locking plug N07: 125V 20A straight plug N08: 250V 20A straight plug N09: 277V 20A straight plug N10: 125V 20A locking plug N11: 250V 20A locking plug N12: 277V 20A locking plug N13: 347V 20A locking plug N14: 480V 20A locking plug	Blank: Default, no sensor M1: PIR motion sensor M4: Microwave motion sensor (120-277V) M5: Microwave motion sensor (347V-480V)	Blank: Default, no battery EB1: Emergency battery backup (20W, 100-277V only)* *EB1 can not be installed with cord ends.

MODEL SELECTION								FACTORY-INSTALLED OPTIONS					
SERIES	-	POWER (W)	CCT	-	VOLTAGE	-	X / CORD LENGTH	-	CORD END	-	SENSOR	-	BACKUP BATTERY
LHB3	-	90	4	-	1	-	W115	-	N01	-	M4	-	EB1

EXAMPLE: LHB3-904-1-W115-N01-M4-EB1

Mounting Positions for Factory-Installed Options

If adding custom cords or sensor, please specify the knockout positions for cords and sensors.



A & C: Available motion sensor mounting locations

D: Default cord location unless specified otherwise

E: Must be used by EB1 if selected

PRODUCT FEATURES

CONSTRUCTION

- White powdercoated stamped steel
- Five (5) 1/2" NPT knockouts for daisy chaining or controls
- 10-foot white 18/3 SOOW cord
- "-3" models - Acrylic (PMMA) diffuser
- "-1" and "-2" models - Polycarbonate diffuser

INSTALLATION

- Included: Chain hanging kit
- Optional: Pendant Mount Kit, Threaded Rod Kit, Ganging Kit, Aircraft cable Kit

ELECTRICAL

- "-1" models designed to operate between 120-277V
- "-2" models designed to operate between 277-480V
- "-3" models designed to operate between 120-277V/ 347V
- LED drivers in all models have 4kV inherent surge protection
- Power Factor >0.9
- THD <20%
- 1-10V dimming, dim to 10%

LISTINGS & RATINGS

- cETLus
- DLC Premium & Standard
- Damp Location
- RoHS Compliant
- Listed for use in -40°C to 50°C / -40°F to 122°F

RATED LIFE & WARRANTY

- LED system: >50,000 hours at L70
- 10 year warranty (visit premiseled.com/warranty/)

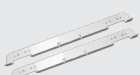
ORDERING INFORMATION

INPUT VOLTAGE	POWER (W)	CCT (K)	MODEL NUMBER	DELIVERED LUMENS (LM)	EFFICACY (lm/W)	DLC NUMBER
120-277V	90W	4K	LHB3-904-1-W110	12,886 lm	140 lm/W	PB4WN7A6
		5K	LHB3-905-1-W110	13,123 lm	143 lm/W	PQCVNHSG
	135W	4K	LHB3-1354-1-W110	18,113 lm	136 lm/W	P7K3AUK0
		5K	LHB3-1355-1-W110	18,445 lm	138 lm/W	PN0DYZ3Y
	165W	4K	LHB3-1654-1-W110	20,399 lm	133 lm/W	PFASLEOJ
		5K	LHB3-1655-1-W110	20,773 lm	135 lm/W	PW82LWDK
	220W	4K	LHB3-2204-1-W110	30,394 lm	140 lm/W	P6P4146B
		5K	LHB3-2205-1-W110	30,769 lm	142 lm/W	P3IOC211
120-277/347V	90W	4K	LHB3-904-3-W210	13,518 lm	148 lm/W	PW657SSO
		5K	LHB3-905-3-W210	13,484 lm	150 lm/W	P3BDFNXD
	135W	4K	LHB3-1354-3-W210	20,296 lm	144 lm/W	P9XJKHL3
		5K	LHB3-1355-3-W210	20,196 lm	145 lm/W	PC87ACS8
	165W	4K	LHB3-1654-3-W210	22,886 lm	142 lm/W	PR818AUL
		5K	LHB3-1655-3-W210	23,156 lm	143 lm/W	P30PU2FL
	220W	4K	LHB3-2204-3-W210	31,657 lm	142 lm/W	PEA3ZYJ2
		5K	LHB3-2205-3-W210	31,905 lm	143 lm/W	P3JOLTNL
277-480V	90W	4K	LHB3-904-2-W210	12,000 lm	135 lm/W	PWSJFG61
		5K	LHB3-905-2-W210	12,663 lm	141 lm/W	PVMSGZ7T
	135W	4K	LHB3-1354-2-W210	19,182 lm	143 lm/W	PY55MRCR
		5K	LHB3-1355-2-W210	18,503 lm	142 lm/W	PVUD20T0
	165W	4K	LHB3-1654-2-W210*	20,076 lm	129 lm/W	P6DUE7G
		5K	LHB3-1655-2-W210	20,444 lm	132 lm/W	PV81QSC4
	220W	4K	LHB3-2204-2-W210	31,140 lm	142 lm/W	P2LXQHJE
		5K	LHB3-2205-2-W210	31,150 lm	142 lm/W	POBCFENG

* DLC standard

OPTIONAL ACCESSORIES

MOUNTING ACCESSORIES

IMAGE	DESCRIPTION	MODEL NUMBER
	Aircraft Cable Kit for LHB3 Linear High Bays 1 Set includes 2 y-style aircraft cables with carabiners	LHB-ACK3 (all models)
	Pendant Mount Kit for LHB3 Linear High Bays 1 Set includes 1 pendant mount bracket and hardware	LHB-PMK13 (120-277 and 120-277/347V models) LHB-PMK23 (277-480V models)
	Threaded Rod Mount/Surface Mount Kit for LHB3 Linear High Bays 1 Set includes 2 brackets and hardware	LHB-TRSMK13 (120-277 and 120-277/347V models) LHB-TRSMK23 (277-480V models)
	Ganging Kit for LHB3 Linear High Bays 1 Set includes 1 ganging kit	LHB-GK3 (120-277 and 120-277/347V models) LHB-GK3-2 (277-480V models)

OTHER ACCESSORIES

IMAGE	DESCRIPTION	MODEL NUMBER
	Wireguards for LHB3 Linear High Bays 1 Set includes 2 wireguards	LHB-WG3 (120-277 and 120-277/347V models) LHB-WG32203 (277-480V models)

PACKING INFORMATION

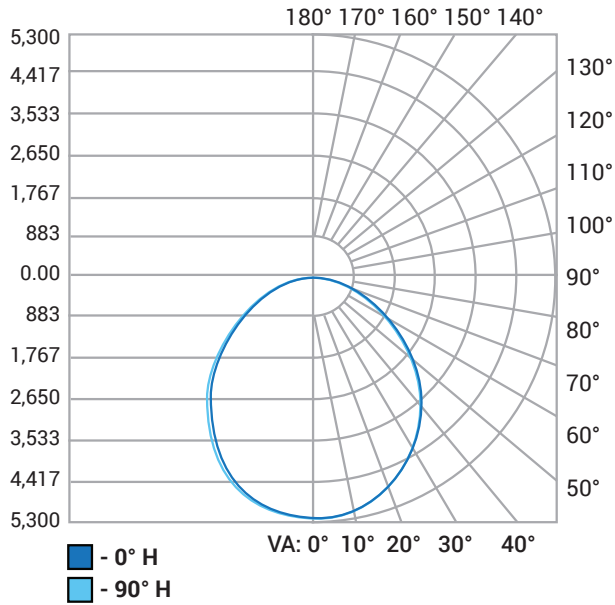
MODEL	CASE QUANTITY	PALLET QUANTITY
90W	CASE OF 2	48
135W	CASE OF 2	48
165W	CASE OF 2	56
220W	CASE OF 2	56

ELECTRICAL INFORMATION									
INPUT VOLTAGE	POWER (W)	APPARENT POWER (VA)	SYSTEM WATTAGE (W)	CURRENT DRAW AT 120V _{ac}	CURRENT DRAW AT 208V _{ac}	CURRENT DRAW AT 240V _{ac}	CURRENT DRAW AT 277V _{ac}	CURRENT DRAW AT 347V _{ac}	CURRENT DRAW AT 480V _{ac}
120-277V	90W	93.6VA	92W	0.750A	0.432A	0.375A	0.325A	-	-
	135W	141.0VA	134.3W	1.125A	0.649A	0.562A	0.487A	-	-
	165W	162.0VA	153.6W	1.375A	0.793A	0.687A	0.596A	-	-
	220W	221.6VA	216.8W	1.880A	1.050A	0.910A	0.800A	-	-
120-277/347V	90W	91.2VA	91.2W	0.76A	0.44A	0.38A	0.33A	0.277A	-
	135W	139.4VA	140.6W	1.162A	0.681A	0.591A	0.522A	0.437A	-
	165W	161.2VA	160.2W	1.344A	0.778A	0.676A	0.589A	0.491A	-
	220W	218.5VA	221.6W	1.82A	1.03A	0.897A	0.783A	0.634A	-
277-480V	90W	93.3VA	89W	-	-	-	0.325A	0.259A	0.187A
	135W	140VA	133W	-	-	-	0.487A	0.389A	0.281A
	165W	162VA	155W	-	-	-	0.596A	0.475A	0.344A
	220W	228VA	218.8W	-	-	-	0.870A	0.690A	0.500A
INPUT VOLTAGE	WATTAGE (W)		INRUSH CURRENT (A)		SURGE PROTECTION				
120-277V	90W		<65A		L-N:2KV L/N-PE: 4KV				
	135W		<65A						
	165W		<65A						
	220W		<170A						
120-277/347V	90W		<60A		L-N:2KV L/N-PE: 4KV				
	135W		<60A						
	165W		<60A						
	220W		<60A						
277-480	90W		<65A		L-N:6KV L/N-PE: 10KV				
	135W		<90A						
	165W		<90A						
	220W		<90A						

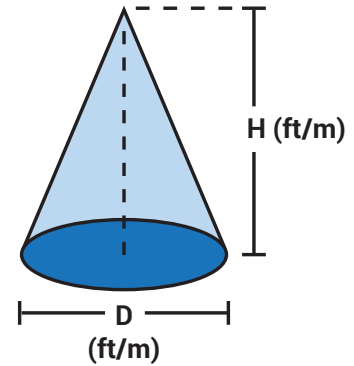
PHOTOMETRIC INFORMATION

POLAR CANDELA DISTRIBUTION

90W



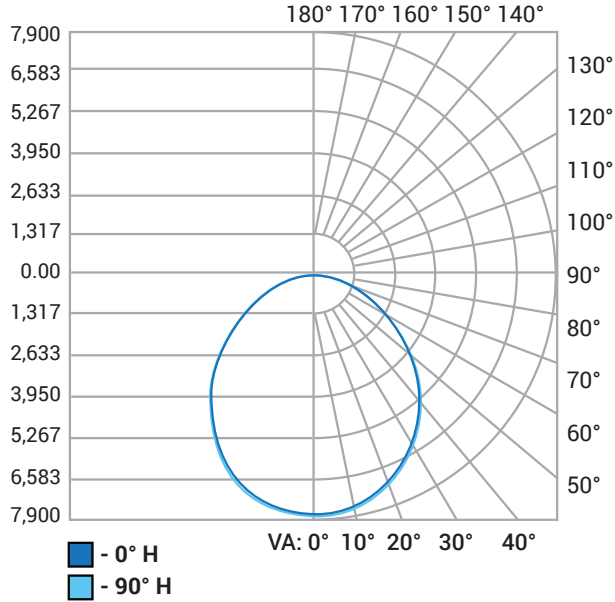
ILLUMINANCE AT A DISTANCE



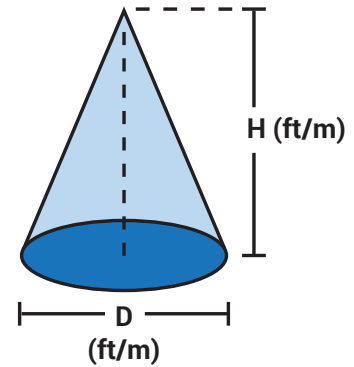
H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	1301.4	120.9	16.4' (5.0m)
9.8' (3m)	535.1	49.7	24.6' (7.5m)
13.1' (4m)	301.0	28.0	32.9' (10.0m)
16.4' (5m)	192.6	17.9	41.1' (12.5m)
19.7' (6m)	133.8	12.4	49.3' (15.0m)

POLAR CANDELA DISTRIBUTION

135W



ILLUMINANCE AT A DISTANCE



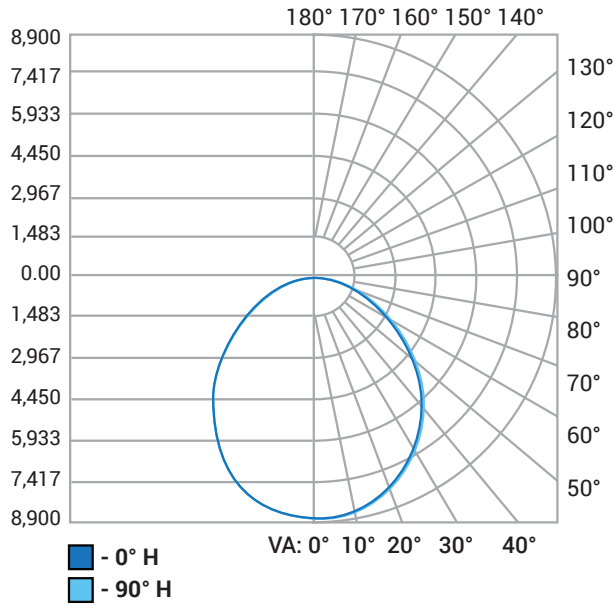
H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	1,963.3	182.4	16.4' (5.0m)
9.8' (3m)	872.6	81.1	24.6' (7.5m)
13.1' (4m)	490.8	45.6	32.9' (10.0m)
16.4' (5m)	314.1	29.2	41.1' (12.5m)
19.7' (6m)	218.2	18.6	49.3' (15.0m)

*Based on operation at 4000K & 120V.

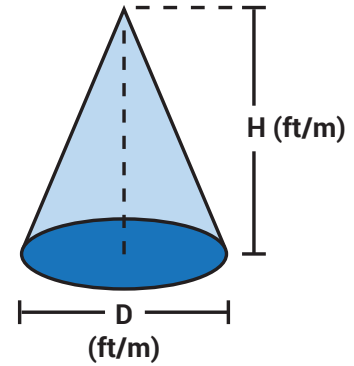
PHOTOMETRIC INFORMATION

POLAR CANDELA DISTRIBUTION

165W



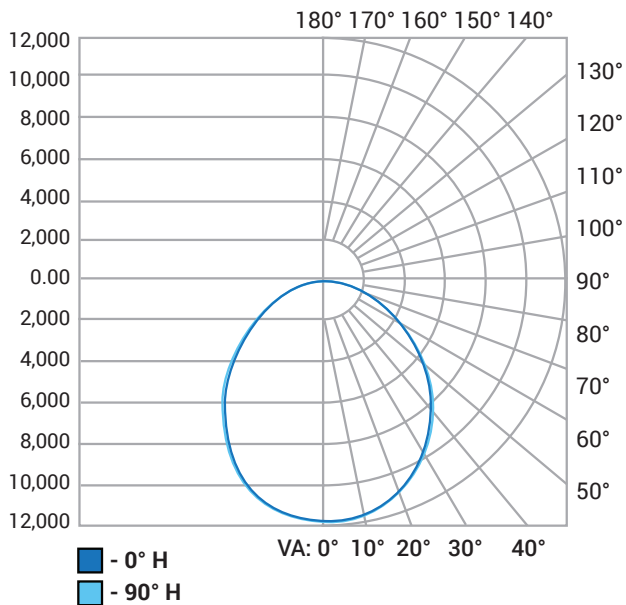
ILLUMINANCE AT A DISTANCE



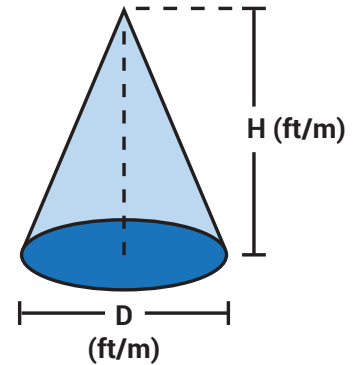
H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	2,217.5	206.0	16.4' (5.0m)
9.8' (3m)	985.5	91.6	24.6' (7.5m)
13.1' (4m)	554.4	51.5	32.9' (10.0m)
16.4' (5m)	354.8	33.0	41.1' (12.5m)
19.7' (6m)	246.1	22.9	49.3' (15.0m)

POLAR CANDELA DISTRIBUTION

220W



ILLUMINANCE AT A DISTANCE



H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	2,893.9	268.9	16.4' (5.0m)
9.8' (3m)	1,286.2	119.5	24.6' (7.5m)
13.1' (4m)	723.5	67.2	32.9' (10.0m)
16.4' (5m)	463.0	43.0	41.1' (12.5m)
19.7' (6m)	321.6	29.9	49.3' (15.0m)

*Based on operation at 4000K & 120V.