



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

- Up to 150 lm/W
- 80+ CRI
- Instant start (flicker-free)
- 1-10V Dimming
- Frosted diffuser
- Chain hanging kit included (2 x 39" chains with carabiner)
- 10-foot cord included
- Six installation methods
- Optional factory-installed battery backup available (compatible with 120-277V models only)
- Fixture-mounted PIR or microwave motion sensors available for increased energy savings. Leviton® PIR motion sensors also available
- Backed by a worry-free 10 year warranty

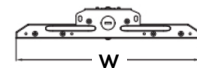
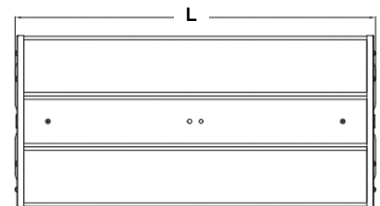


APPLICATIONS

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

DIMENSIONS

VOLTAGE (V)	POWER (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				4.1kg / 9.0lbs
	165		14-3/16" (360mm)		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'		Blank: Default, no cord end		Blank: Default, no sensor		Blank: Default, no battery
W2xx: 600V 18/3 STW white cord XX to specify length, up to 99'		N01: 125V 15A straight plug		M1: PIR motion sensor, On/Off, 120-347V		EB1: Emergency battery backup (20W, 100-277V only)**
Custom length required (in feet)		N02: 250V 15A straight plug		M4: Microwave motion sensor, dimming, 120-277V		
		N04: 125V 15A locking plug		M5: Microwave motion sensor, dimming, 347-480V		
		N05: 250V 15A locking plug		M10: PIR motion sensor dimming, 120-347V		
*If used, custom cord length replaces cord length value		N06: 277V 15A locking plug		M40: Leviton®, PIR motion sensor, On/Off, 120-347V		**EB1 can not be installed with cord ends.
		N07: 125V 20A straight plug		M41: Leviton®, PIR motion sensor, On/Off, 480V		
		N08: 250V 20A straight plug		M46: Leviton®, PIR motion sensor, high mount lens, dimming, 120-347V		
		N09: 277V 20A straight plug		M47: Leviton®, PIR motion sensor, low mount lens, dimming, 120-347V		
		N10: 125V 20A locking plug		M48: Leviton®, PIR motion sensor, high mount aisle mask, dimming, 120-347V		
		N11: 250V 20A locking plug		M49: Leviton®, PIR motion sensor, low mount aisle mask, dimming, 120-347V		
		N12: 277V 20A locking plug				
		N13: 347V 20A locking plug				
		N14: 480V 20A locking plug				

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

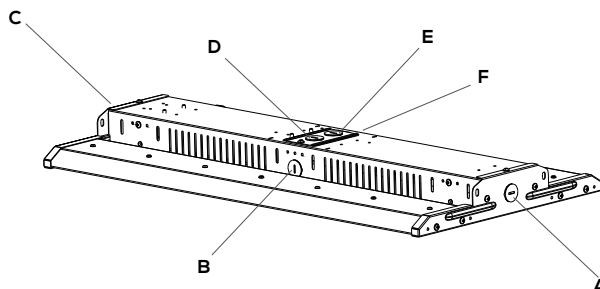
EXAMPLE : LHB3-904-1-W115-N01-M4-EB1

MOUNTING POSITION SELECTION (INDICATE IF ORDERING FACTORY-INSTALLED OPTIONS)						
OPTION	MOUNTING POSITION					
CORD	A	B	C	D	E	F
SENSOR	A	C				
BATTERY	E					

A & C: Available motion sensor mounting locations
D: Default cord location unless specified otherwise
E: Must be used by EB1 if selected

Mounting Positions for Factory-Installed Options

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



ACCESSORIES SELECTION

ORDER	MODEL #	DESCRIPTION
	LHB-ACK3	Aircraft Cable Kit (47" long)
	LHB-PMK13	Pendant Mount Kit (120-277 and 120-277/347V)
	LHB-PMK23	Pendant Mount Kit (277-480V)
	LHB-TRSMK13	Threaded Rod/Surface Mount Kit (120-277 and 120-277/347V)
	LHB-TRSMK23	Threaded Rod/Surface Mount Kit (277-480V)
	LHB-GK3	Ganging Kit (120-277 and 120-277/347V)
	LHB-GK3-2	Ganging Kit (277-480V)
	LHB-WG3	Wire Guard (120-277 and 120-277/347V)
	LHB-WG2203	Wire Guard (277-480V, 220W models only)
	RC01	Remote for motion sensors (one remote is required if ordering): MS1-DHR-KO-1 (Factory-installed code M4) MS1-DH-KO-4 (Factory-installed code M5)
	RC-100	Remote for motion sensor (one remote required if ordering): MS2-DPX3 (Factory-installed code M10)
	FHUPS1-UNV-25L-SD	Fulham Emergency Battery, Field Mount, 25W, 100-277V
	✓ FHSWLPWH	Wall plate for test switch (white)
	✓ FHS-TSTWL-BC	Test switch, wet location (IP67, switch side)
	✓ FHS-EXT-48-TST	Extension for test switch with connectors (48")

PRODUCT FEATURES

CONSTRUCTION

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

INSTALLATION

- Included: Chain hanging kit (2 x 39" chains with carabiner)
- 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

- cULus / cETLus
- DLC 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 STANDARD
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	S-R0KZUX
		5K	LHB3-905-3-W210	13,484 lm	150 lm/W	S-TMC6FN
	135W	4K	LHB3-1354-3-W210	20,296 lm	144 lm/W	S-LBSWRV
		5K	LHB3-1355-3-W210	20,196 lm	145 lm/W	S-G2LXAS
	165W	4K	LHB3-1654-3-W210	22,886 lm	142 lm/W	S-Y7URSC
		5K	LHB3-1655-3-W210	23,156 lm	143 lm/W	S-4DW0L2
	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	-
		5K	LHB3-905-2-W210	12,663 lm	141 lm/W	-
	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

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
OPTIONAL ACCESSORIES		
MOUNTING & PROTECTION ACCESSORIES		
IMAGE	DESCRIPTION	MODEL NUMBER
	Aircraft Cable Kit for LHB3 Linear High Bays Each set includes 2 y-style aircraft cables with carabiners	LHB-ACK3 (47" long, all models)
	Pendant Mount Kit for LHB3 Linear High Bays Each 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 Each 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 Each set includes 1 ganging kit	LHB-GK3 (120-277 and 120-277/347V models) LHB-GK3-2 (277-480V models)
	Wireguards for LHB3 Linear High Bays Each set includes 2 wireguards	LHB-WG3 (120-277 and 120-277/347V models) LHB-WG2203 (277-480V models, 220W models)
BATTERY ACCESSORY		
IMAGE	DESCRIPTION	MODEL NUMBER
	Battery with Accessories Fulham 25W Sinusoidal Emergency Micro Inverter Field mounted emergency battery backup with test switch indicator included. Controls up to 150W of load with 0-10V dimming. Minimum 90 minutes discharge. Charge time 12 hours. Under voltage, overload and short circuit protection. Remote mount up to 50m (164ft) away with 18AWG. Remote mount test switch up to 20m (65ft). No remote control available. Dimming control. 120-277V Input. IP20 rated. Operation range of 0°C to 50°C (32°F to 122°F) Battery and accessories all ordered separately.	FHUPS1-UNV-25L-SD
	Wall plate for test switch (white) Test switch, wet location (IP67, switch side) Extension for test switch with connectors (48")	FHSWLPWH FHS-TSTWL-BC FHS-EXT-48-TST

SENSOR ACCESSORIES			
IMAGE	DESCRIPTION	MODEL NUMBER	FACTORY-INSTALLED CODE
	PIR Motion Sensor Sensor parameters set by dip switch, no remote available. On/Off control. Two detection lenses included for 8ft up to 25ft or 20ft up to 40ft mounting heights, 360° pattern. Non-condensing up to 95% RH. 120-347V input. Daylight settings available. Order separately or factory install.	MS2-OPD-3	M1
	Microwave Motion Sensor Sensor parameters set by remote (RC01). Dimming control. Detection from 15ft up to 48ft mounting height, 360° pattern. IP65 rated. 120-277V input. Daylight settings available. Order separately or factory install.	MS1-DHR-KO-1	M4
	Microwave Motion Sensor Sensor parameters set by remote (RC01). Dimming control. Detection from 15ft up to 48ft mounting height, 360° pattern. IP65 rated. 347V-480V input. Daylight settings available. Order separately or factory install.	MS1-DHR-KO-4	M5
	PIR Motion Sensor Sensor parameters set by dip switch, or optional remote (RC-100). Dimming control. Two detection lenses included for 8ft up to 25ft or 20ft up to 40ft mounting heights, 360° pattern. Non-condensing operation up to 95% RH. 120-347V input. Daylight settings available. Order separately or factory install.	MS2-DPX-3	M10
	Leviton® PIR Motion Sensor Sensor parameters set by dial. Two detection lenses included for 8ft up to 25ft or 20ft up to 40ft mounting heights, 360° pattern. Aisle mask included. Non-condensing operation up to 90% RH. High inrush stability, auto temperature calibration, return to last state & false detection intelligence. 120-347V input. Order separately or factory install.	OSFHU-CTW	M40

SENSOR ACCESSORIES			
IMAGE	DESCRIPTION	MODEL NUMBER	FACTORY-INSTALLED CODE
	Leviton® PIR Motion Sensor Sensor parameters set by dial. Two 360° detection lenses included for 8ft up to 25ft or 20ft up to 40ft mounting heights. Aisle mask included. Non-condensing operation up to 90% RH. High inrush stability, auto temperature calibration, return to last state & false detection intelligence. 240/480V input. Order separately or factory install.	OSFHU-C4W	M41
	Leviton® PIR Motion Sensor Sensor parameters set by DIP switch, no remote available. Dimming control. IP65 rated. 120-347V Input. Daylight settings available. Order separately or factory install.		
	High mount lens (up to 45ft)	HBE11-IUB-H	M46
	Low mount lens (8ft-16ft)	HBE11-IUB-L	M47
	High mount lens aisle mask (up to 45ft)	HBE11-IUB-HA	M48
	Low mount lens aisle mask (8ft-16ft)	HBE11-IUB-LA	M49
SENSOR REMOTES			
IMAGE	DESCRIPTION	MODEL NUMBER	COMPATIBLE WITH
	Remote control for programming motion sensors. One remote can control an entire facility. Store settings in remote, and apply them to each fixture with one button. Manual dimming from 100-10%. Daylight settings can be disabled.	RC01	MS1-DHR-KO-1 MS1-DHR-KO-4
	Remote control for programming motion sensors. One remote can control an entire facility. Store settings in remote, and apply them to each fixture with one button. On/Off mode allows fixture to be set at dim levels from 10-100%.	RC-100	MS2-DPX3

ELECTRICAL INFORMATION									
INPUT VOLTAGE	POWER (W)	APPARENT POWER (VA)	SYSTEM POWER (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	92.0W	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	0.760A	0.440A	0.380A	0.330A	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	1.820A	1.030A	0.897A	0.783A	0.634A	-
277-480V	90W	93.3VA	89.0W	-	-	-	0.325A	0.259A	0.187A
	135W	140.0VA	133.0W	-	-	-	0.487A	0.389A	0.281A
	165W	162.0VA	155.0W	-	-	-	0.596A	0.475A	0.344A
	220W	228.0VA	218.8W	-	-	-	0.870A	0.690A	0.500A
INPUT VOLTAGE	POWER (W)		INRUSH CURRENT (A)			DRIVER 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						
277-480V	90W		<65A			L-N:6KV L/N-PE: 10KV			
	135W		<90A						
	165W		<90A						
	220W		<90A						

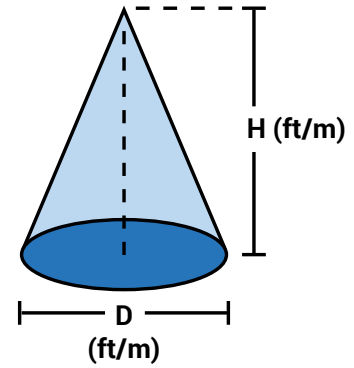
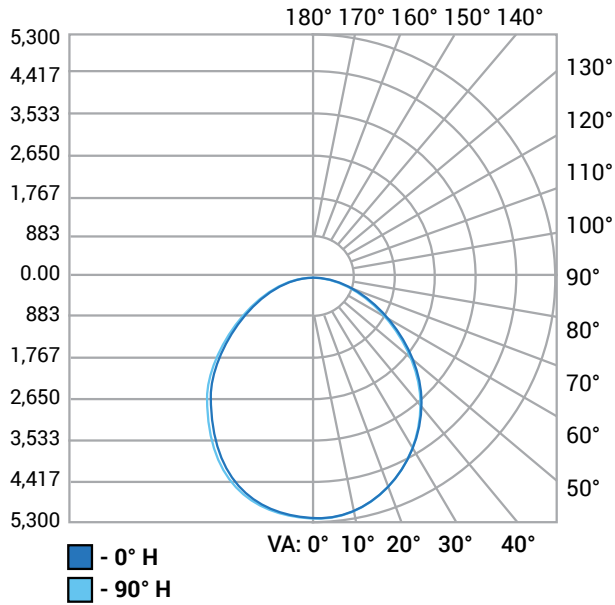
PHOTOMETRIC INFORMATION

POLAR CANDELA DISTRIBUTION

ILLUMINANCE AT A DISTANCE

POWER
90W

VOLTAGE
120-277V



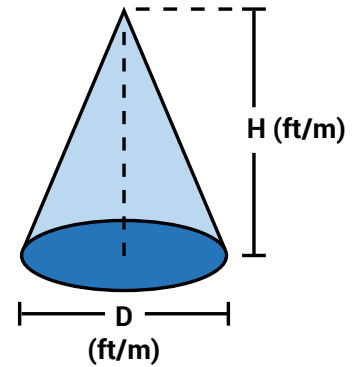
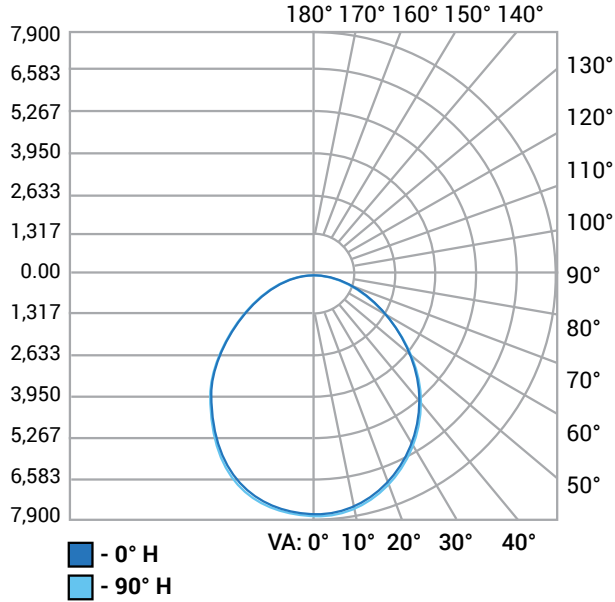
H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	1301.4	120.9	16.4' (5.0m)
9.8' (3m)	535.1	49.7	24.6' (7.5m)
13.1' (4m)	301.0	28.0	32.9' (10.0m)
16.4' (5m)	192.6	17.9	41.1' (12.5m)
19.7' (6m)	133.8	12.4	49.3' (15.0m)

POLAR CANDELA DISTRIBUTION

ILLUMINANCE AT A DISTANCE

POWER
135W

VOLTAGE
120-277V



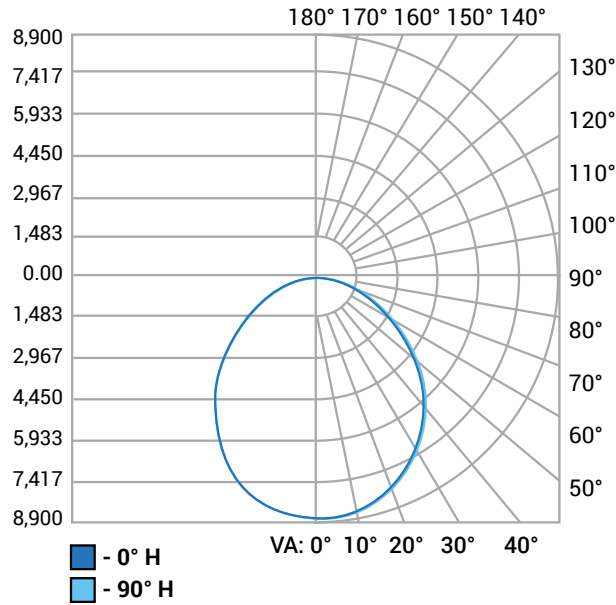
H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	1,963.3	182.4	16.4' (5.0m)
9.8' (3m)	872.6	81.1	24.6' (7.5m)
13.1' (4m)	490.8	45.6	32.9' (10.0m)
16.4' (5m)	314.1	29.2	41.1' (12.5m)
19.7' (6m)	218.2	18.6	49.3' (15.0m)

*Based on operation at 4000K & 120V.

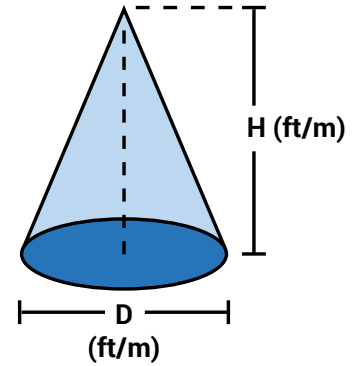
PHOTOMETRIC INFORMATION

POLAR CANDELA DISTRIBUTION

POWER
165W
VOLTAGE
120-277V



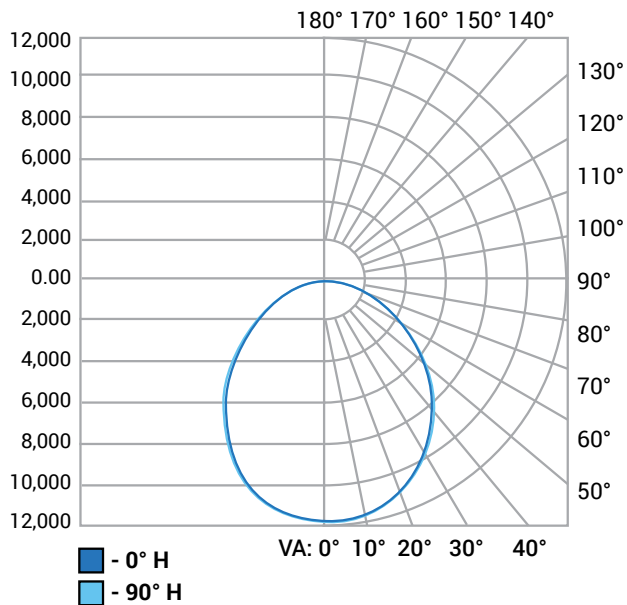
ILLUMINANCE AT A DISTANCE



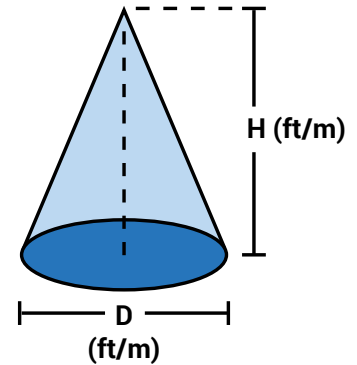
H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	2,217.5	206.0	16.4' (5.0m)
9.8' (3m)	985.5	91.6	24.6' (7.5m)
13.1' (4m)	554.4	51.5	32.9' (10.0m)
16.4' (5m)	354.8	33.0	41.1' (12.5m)
19.7' (6m)	246.1	22.9	49.3' (15.0m)

POLAR CANDELA DISTRIBUTION

POWER
220W
VOLTAGE
120-277V



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.