



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

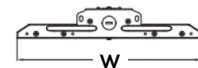
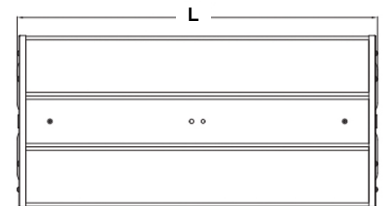


APPLICATIONS

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		4.6kg / 10.1lbs		
	220		14-3/16" (360mm)		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	
	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' Custom length required (in feet) *If used, custom cord length replaces cord length value	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, On/Off, 120-347V M4: Microwave motion sensor, dimming, 120-277V M5: Microwave motion sensor, dimming, 347-480V M10: PIR motion sensor dimming, 120-347V M40: Leviton®, PIR motion sensor, On/Off, 120-347V M41: Leviton®, PIR motion sensor, On/Off, 480V M46: Leviton®, PIR motion sensor, high mount lens, dimming, 120-347V M47: Leviton®, PIR motion sensor, low mount lens, dimming, 120-347V M48: Leviton®, PIR motion sensor, high mount aisle mask, dimming, 120-347V M49: Leviton®, PIR motion sensor, low mount aisle mask, dimming, 120-347V	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

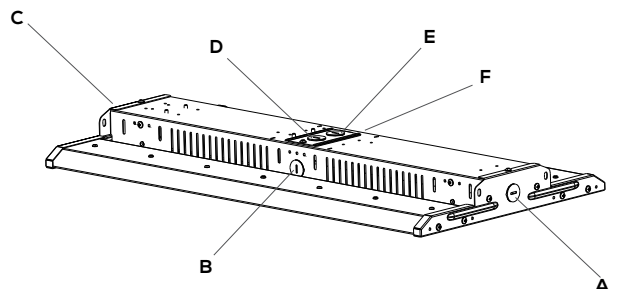
MOUNTING POSITION SELECTION (INDICATE IF ORDERING FACTORY-INSTALLED OPTIONS)

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




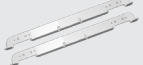


- cULus / cETLus
- DLC Premium or Standard
- Damp location
- RoHS compliant
- Listed for use in -40°C to 50°C / -40°F to 122°F

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	DLC PREMIUM
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	

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
	<p>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.</p> <p>Wall plate for test switch (white) Test switch, wet location (IP67, switch side) Extension for test switch with connectors (48")</p>	<p>FPHUPS1-UNV-25L-SD</p> <p>FHSWLPWH FHS-TSTWL-BC FHS-EXT-48-TST</p>



SENSOR ACCESSORIES

IMAGE	DESCRIPTION	MODEL NUMBER	FACTORY-INSTALLED CODE
	<p>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.</p>	MS2-OPD-3	M1
	<p>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.</p>	MS1-DHR-KO-1	M4
	<p>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.</p>	MS1-DHR-KO-4	M5
	<p>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.</p>	MS2-DPX-3	M10
	<p>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.</p>	OSFHU-CTW	M40

SENSOR ACCESSORIES

IMAGE	DESCRIPTION	MODEL NUMBER	FACTORY-INSTALLED CODE
	<p>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.</p>	OSFHU-C4W	M41
	<p>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.</p>		
	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
	<p>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.</p>	RC01	MS1-DHR-KO-1 MS1-DHR-KO-4
	<p>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%.</p>	RC-100	MS2-DPX3

ELECTRICAL INFORMATION

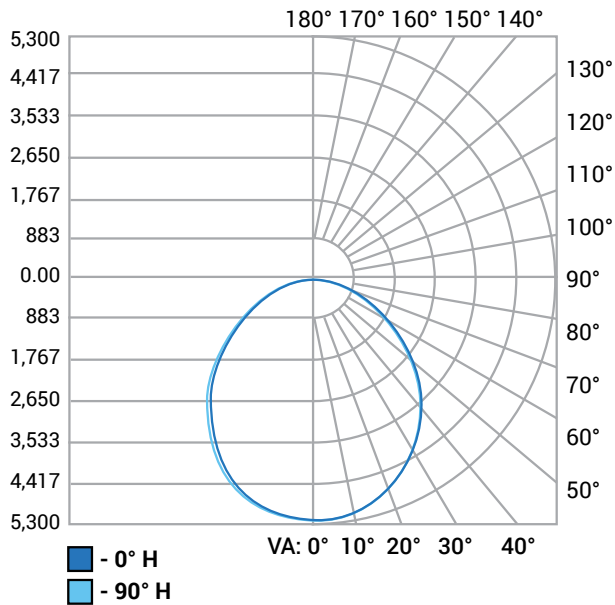
INPUT VOLTAGE	POWER (W)	APPARENT POWER (VA)	SYSTEM POWER (W)	CURRENT DRAW AT 120V _{ac}	CURRENT DRAW AT 208V _{ac}	CURRENT DRAW AT 240V _{ac}	CURRENT DRAW AT 277V _{ac}	CURRENT DRAW AT 347V _{ac}	CURRENT DRAW AT 480V _{ac}
120-277V	90W	93.6VA	92.0W	0.750A	0.432A	0.375A	0.325A	-	-
	135W	141.0VA	134.3W	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

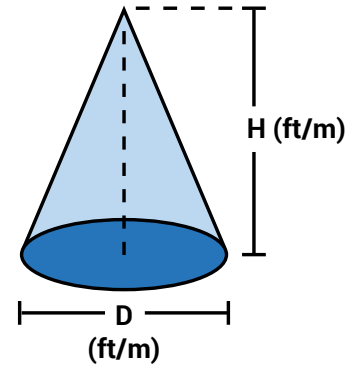
POLAR CANDELA DISTRIBUTION

POWER
90W

VOLTAGE
120-277V



ILLUMINANCE AT A DISTANCE

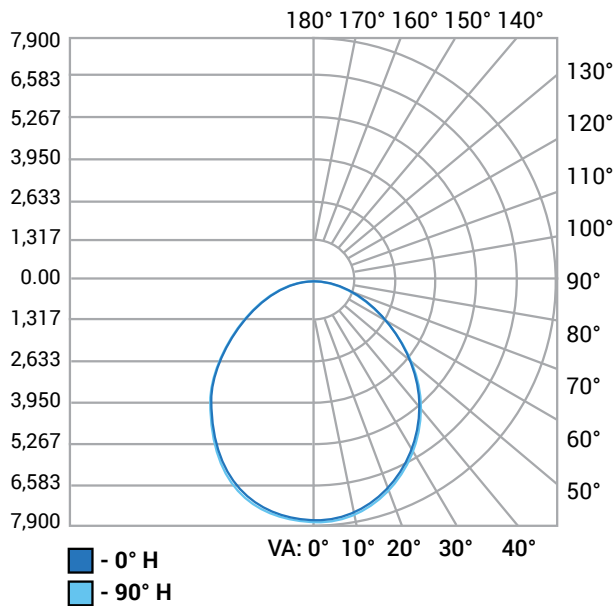


H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	1301.4	120.9	16.4' (5.0m)
9.8' (3m)	535.1	49.7	24.6' (7.5m)
13.1' (4m)	301.0	28.0	32.9' (10.0m)
16.4' (5m)	192.6	17.9	41.1' (12.5m)
19.7' (6m)	133.8	12.4	49.3' (15.0m)

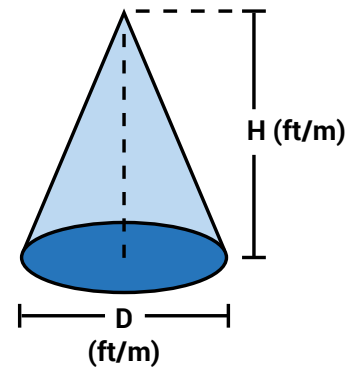
POLAR CANDELA DISTRIBUTION

POWER
135W

VOLTAGE
120-277V



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)

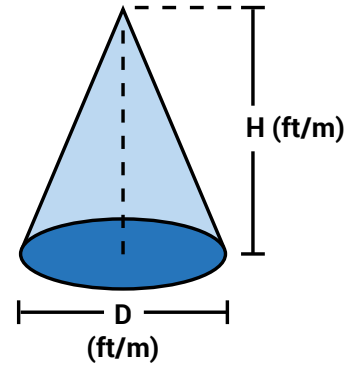
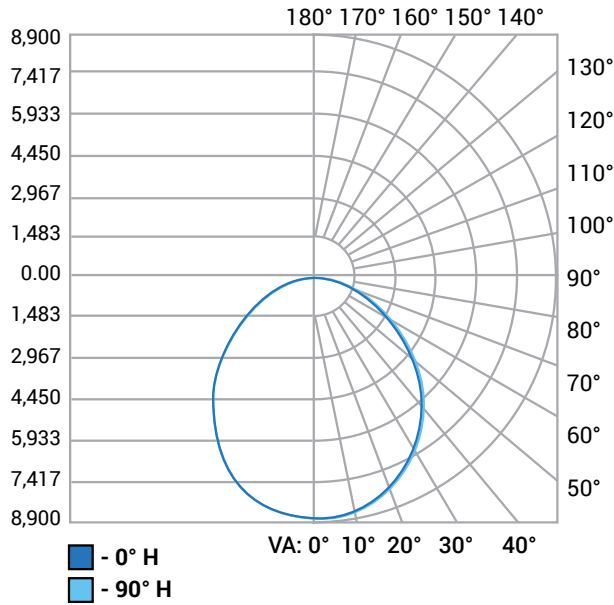
*Based on operation at 4000K & 120V.

PHOTOMETRIC INFORMATION

POLAR CANDELA DISTRIBUTION

ILLUMINANCE AT A DISTANCE

POWER
165W
VOLTAGE
120-277V

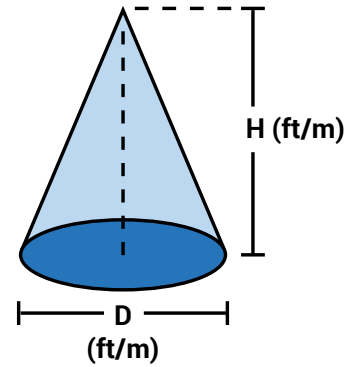
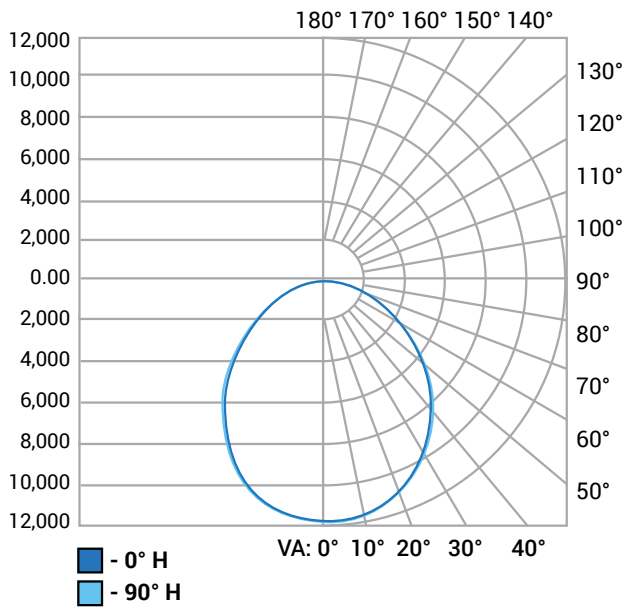


H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	2,217.5	206.0	16.4' (5.0m)
9.8' (3m)	985.5	91.6	24.6' (7.5m)
13.1' (4m)	554.4	51.5	32.9' (10.0m)
16.4' (5m)	354.8	33.0	41.1' (12.5m)
19.7' (6m)	246.1	22.9	49.3' (15.0m)

POLAR CANDELA DISTRIBUTION

ILLUMINANCE AT A DISTANCE

POWER
220W
VOLTAGE
120-277V



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.