

Project Name:

Type:

Notes:

Catalog Number: LUX - IK10 - 3 - D - HO2 - - 4' - - - - -

High-bay LED luminaire specializing in high-abuse applications. Intended for gymnasiums, natatoriums, manufacturing & industrial facilities, warehouses, convention centers and other high-ceiling applications.

Optics:

- 360° Rotatable BARs for Customized Distributions
- Wide 120° Beam Angle for Maximum Uniformity
- Diffuse Lensing Available in Clear and White

Mechanical:

- Exceeds Impact Rating of IK10
- Extruded Aluminum Construction
- Stainless Steel Hardware
- Isolated Driver Channels
- Thermally Independent Heat Sink LED BARs
- Anodized Brite-Dip for Superior Corrosion Resistance
- Ambient Temperature: -40°C to 65.5°C (-40°F to 150°F)
- Optional Polycarbonate or Acrylic Lenses

Components:

- High-Output Nichia LED Chips
- 90°C Osram Sylvania LED Drivers

Listings:

- ARRA Compliant (Made In America)
- UL1598 for Dry and Damp Locations



Standard Finish Includes (shown above):

- Brite-Dip Anodized Aluminum Extrusions
- Mill Finish Aluminum Endcaps
- LUX Green Hanging Brackets

Performance:

- 36,438 Nominal Lumens
- 271.4 Watts
- 134.2 Lumens/Watt
- LED Lifetime per TM-21: L(70) > 60,000 Hours
- Calculated Lifetime: L(70) = 150,968 Hours

Electrical:

- Input Voltage: 120-277V (347/480V Option Available)
- 0-10V Dimming Standard

Warranty:

- Fixture Body: 10 Years
- Electronics: 5 Years

Installation:

- Aircraft Cable Suspension
- Pendant Mount
- Surface Mount
- Yoke Mount
- Custom Mounting

Fixture Dimensions:

- 50"L x 16"W x 1.5"H (127cm x 40.6cm x 3.8cm)

Fixture Weight:

- 15 Lbs (6.8 kg)

If any options are not desired, leave blank.

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Mfr.	Series	Bi a Vy f	Channel Config.	Module	CRI/CCT	@bf h	0-10V Dim	Lens	Application	Voltage Option	Direction of Light	Custom Wattage/Lumens	Access to Electronics	Cord	Mounting	Finish	Wire Guard	Controls	Emergency Driver
	7%	3	D - Double Channel	HO&	850	4'	U10	NL	NAT	347	DIR	CFO	TOP	3/10	H10-18Y	STND	WG	DLH	EM10
					840		U1	CA4'	TC	480	IND	CFI		4/10	H20-18Y	CC###		OCC	EM12
					835		UX	CP4'	MFG/WHS		CLD			5/10	H30-18Y	NAT(Natatorium)		D/O	
					830			WA4'	GYM					6/10	SPM	MFHB		WCM	
					827			WP4'	GYM					3/15	SM				EM10
					927				A/FH					4/15	SMH				EM12
									ARCH					5/15	MH2P				
														6/15	H4P10				
															UH4				

Part #	Description	Light Loss
850	80CRI CCT-5000K	0.0%
840	80CRI CCT-4000K	3.2%
835	80CRI CCT-3500K	4.3%
830	80CRI CCT-3000K	6.9%
827	80CRI CCT-2700K	10.1%
927	90CRI CCT-2700K	22.3%

Part #	Description	Light Loss
	NL No Lens	0.0%
	CA4' Clear Acrylic	10%
	CP4' Clear Polycarbonate	14%
	WA4' White Acrylic	16%
	WP4' White Polycarbonate	25%

NAT	Natatorium
TC	Tennis Court
MFG/WHS	Manufacturing/Warehouse
GYM	Gymnasium
A/FH	Arena/Field House
ARCH	Architectural

347	Step-Down Transformer Needed
480	Step-Down Transformer Needed

DIR	Direct Lighting: Bars Aimed Down
IND	Indirect Lighting: Bars Aimed Up
CLD	Custom Light Distribution

1 st Digit	Number of Conducting Wires
2 nd Digit	Length of Cord (feet)

TOP	Lid Opens from Top
BOT	Lid Opens from Bottom

For Use to Specify Critical Fixture Inputs or Outputs.	Leave Blank for Fixture Performance as Shown Above.
CFO	Custom Fixture Output. Specify Needed Lumens.
CFI	Custom Fixture Input. Specify Needed Wattage.

H10-18Y	Aircraft Cable with Total Suspension Length 2' to 12'
H20-18Y	Aircraft Cable with Total Suspension Length 2' to 22'
H30-18Y	Aircraft Cable with Total Suspension Length 2' to 32'
SPM	Single Point Mount - Mounting to Existing Stem
SM	Surface Mount - Mounting Holes Provided by Others
SMH	Surface Mount Holes: Mounting Holes Provided
MH2P	Myer's Hub - (2) 3/4" Conduit Adapters Provided
H4P10	4-Point Hanger, 10' Lengths (up to 30' lengths available)
UH4	4 Point Unistrut Hardware

* All Aircraft Cables Available in Stainless Steel, add "SS" to end of part #	
* Custom Mounting Available - Contact Factory with Request	

WG	Standard 10-Gauge Wire Guard
*Contact Factory For WG Availability	
STND	Standard Finish - As Shown in Photo Above
CC###	Custom Color - Please Provide RAL Number
NAT (Natatorium)	NAT Natatorium Grade Finish - White
MFHB	Mill Finish Hanging Bracket - No Powder Coating

DLH	Daylight Harvesting Sensor
OCC	Occupancy Sensor (On/Off)
D/O	Daylight and OCC: (1) Module
WCM	Wireless Control Module
*All sensors come standard with bottom access	

Option/Adder Data

Contact factory for detailed specification sheets on each option/adder. Every option/adder available in 347/480V, contact factory.

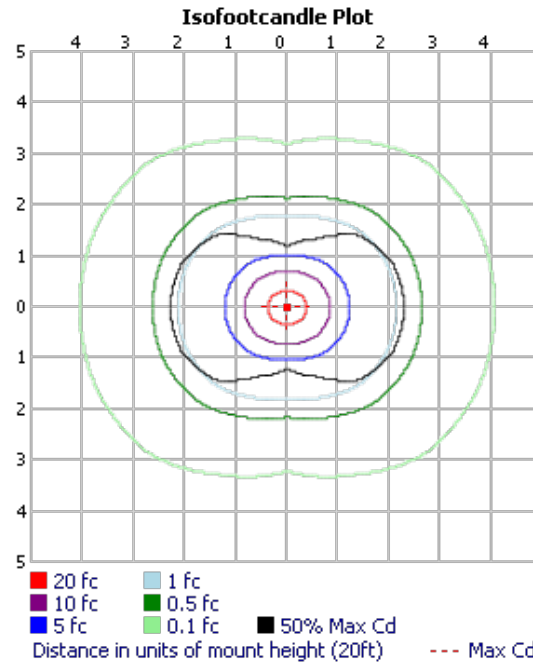
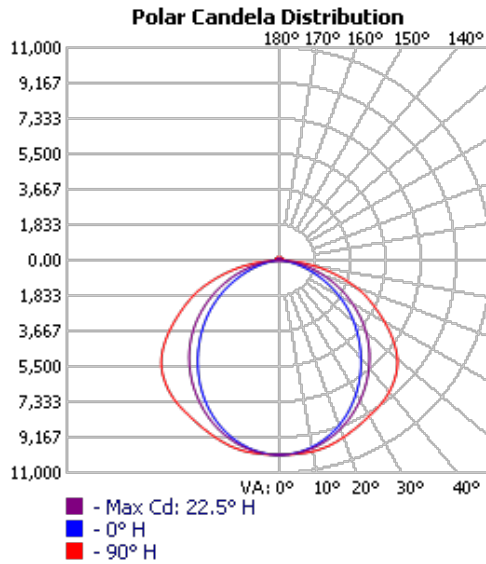
Daylight Harvesting & Occupancy Sensor- Dim		Daylight Harvesting Sensor - Dim		Occupancy Sensor - On/Off		Wireless Control Module	
Control Type	PIR/Photocell 1-10V	Control Type	Photocell 1-10V	Control Type	PIR Line Voltage	Quantity Needed Per Fixture	1
Ambient Temperature	5°C to 55°C	Ambient Temperature	5°C to 55°C	Ambient Temperature	-10°C to 71°C	Ambient Temperature	-40°C to 55°C
Mounting Height	8' to 40'	Mounting Height	8' to 40'	Mounting Height	15' to 45'	Phone Application	Available

Emergency Battery (12-Watt)	
Initial Lumen Output	1626 Lumens Per Bar
Ambient Temperature	0°C to 55°C
Illumination Time	90 Minutes

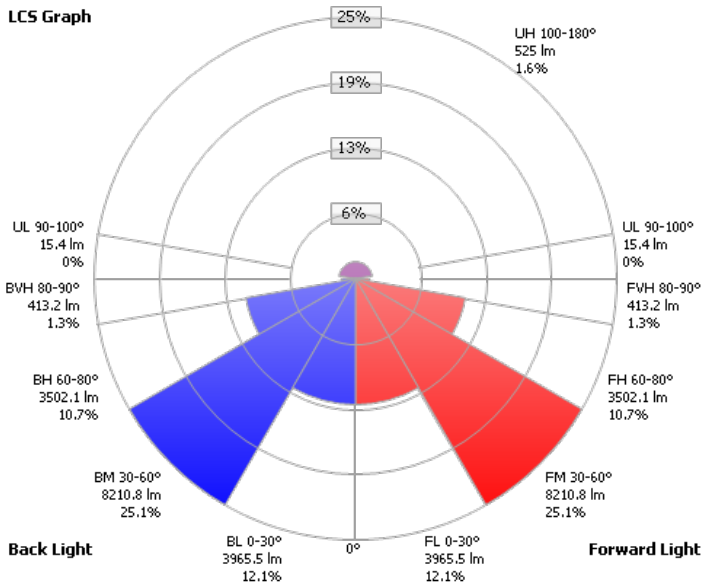
Emergency Battery (10-Watt)	
Initial Lumen Output	1355 Lumens Per Bar
Ambient Temperature	0°C to 55°C
Illumination Time	90 Minutes

347/480Volt Step-Down Transformer	
Quantity Needed Per Fixture	1
Ambient Temperature	-40°C to 100°C

TEST #: LLI-17186-13
 TEST LAB: LIGHTLAB INTERNATIONAL (WWW.LIGHTLABINT.COM)
 CATALOG: LUX-IK10-3-D-HO2-850-4'-U10-CA4'
 INPUT WATTAGE: 271.4
 MAX CD: 10,072.8 AT HORIZONTAL: 22.5°, VERTICAL: 0.5°



ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% LUMINAIRE
0-30	7,929.9	24.2%
0-40	13,179.4	40.3%
0-60	24,353.8	74.4%
60-90	7,829.1	23.9%
70-100	3,527.1	10.8%
90-120	202.1	0.6%
0-90	32,182.9	98.3%
90-180	540.4	1.7%
0-180	32,723.3	100%



LCS TABLE		
BUG RATING	B4 - U4 - G4	
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	3,965.5	12.1%
MEDIUM(30-60):	8,210.8	25.1%
HIGH(60-80):	3,502.1	10.7%
VERY HIGH(80-90):	413.2	1.3%
BACK LIGHT		
LOW(0-30):	3,965.5	12.1%
MEDIUM(30-60):	8,210.8	25.1%
HIGH(60-80):	3,502.1	10.7%
VERY HIGH(80-90):	413.2	1.3%
UPLIGHT		
LOW(90-100):	15.4	0%
HIGH(100-180):	525.0	1.6%
TRAPPED LIGHT:	0.000	0%

Scale = Max LCS %
 Trapped Light: 0lm, 0%