

Project Name:

Type:

Notes:

Catalog Number: LUX - IK10 - 5 - D - HO2 - - 2' -

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:

- 29,616 Nominal Lumens
- 225.0 Watts
- 131.6 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:

- 26"L x 18.5"W x 1.5"H (66cm x 47cm x 3.8cm)

Fixture Weight:

- 11.5 Lbs (5.21 kg)

If any options are not desired, leave blank.

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Mr. Series	Bi a Vvf Channel	Module	CRI/CCT	@bf h	0-10V Dim	Lens	Application	Direction of Light	Custom Wattage/Lumens(ma)	Access to Electronics	Cord	Mounting	Finish	Controls	Emergency Driver	
7%	5	D - Double Channel	HO&	850	2'	U10	NL	NAT	DIR	CFO	TOP	3/10	H10-18Y	STND	DLH	Consult
				840		U1	CA2'	TC	IND	CFI	BOT	4/10	H20-18Y	CC###	OCC	Factory
				835		UX	CP2'	MFG/WHS	CLD			5/10	H30-18Y	NAT (Natatorium)	D/O	
				830			WA2'	GYM				6/10	SPM	MFHB	WCM	
				827			WP2'	A/FH				3/15	SM			
				927				ARCH				4/15	SMH			
												5/15	H4P10			
												6/15	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%
CA2'	Clear Acrylic	10%
CP2'	Clear Polycarbonate	14%
WA2'	White Acrylic	16%
WP2'	White Polycarbonate	25%

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

U10	Unv. 120-277V, 0-10V, dims to 10%
U1	Unv. 120-277V, 0-10V, dims to 1%
UX	Unv. 120-277V, No Dimming

Part #	Description	Light Loss
DLH	Daylight Harvesting Sensor	
OCC	Occupancy Sensor (On/Off)	
D/O	Daylight and OCC: (1) Module	
WCM	Wireless Control Module	

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

Part #	Description
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
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	

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

* Cord Lengths Available up to 30'
5-Wires Standard for 0-10V Dimming
4-Wires Standard for A/B Switching
3-Wires Standard for On/Off

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.

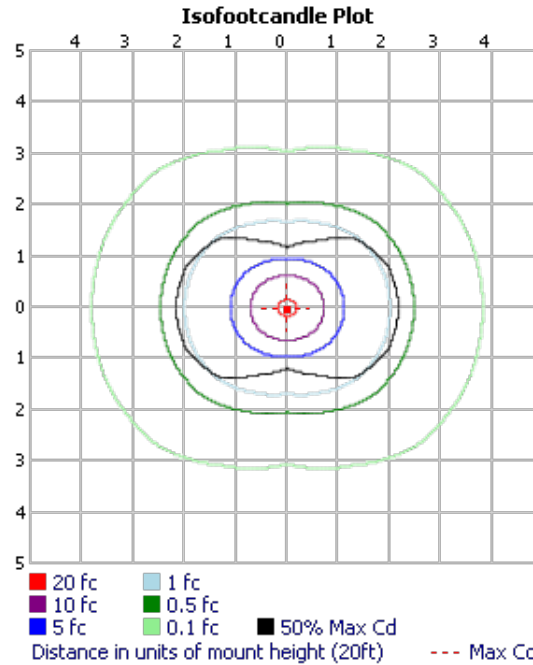
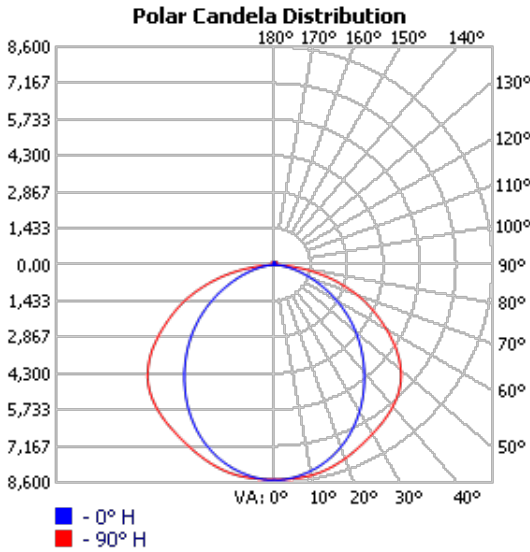
DIR	Direct Lighting: Bars Aimed Down
IND	Indirect Lighting: Bars Aimed Up
CLD	Custom Light Distribution

Option/Adder Data

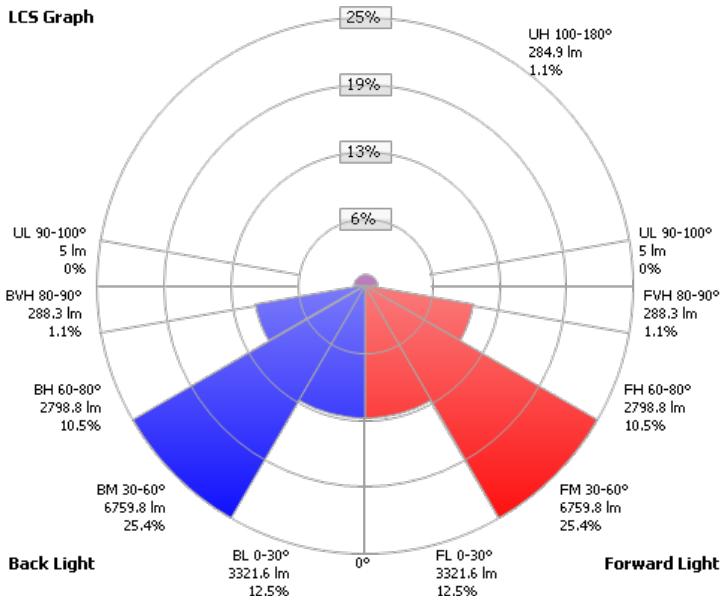
Contact factory for detailed specification sheets on each option/adder. Every option/adder available in 347/480V, contact factory.

Daylight Harvesting & Occupancy Sensor- Dim		Daylight Harvesting Sensor - Dim		Occupancy Sensor - On/Off		Emergency Battery (10-Watt)	
Control Type	PIR/PhotoCell 1-10V	Control Type	PhotoCell 1-10V	Control Type	PIR Line Voltage	Initial Lumen Output	1320 Lumens Per Bar
Ambient Temperature	5°C to 55°C	Ambient Temperature	5°C to 55°C	Ambient Temperature	-10°C to 71°C	Ambient Temperature	0°C to 55°C
Mounting Height	8' to 40'	Mounting Height	8' to 40'	Mounting Height	15' to 45'	Illumination Time	90 Minutes

TEST #: LLI-17187-6
 TEST LAB: LIGHTLAB INTERNATIONAL (WWW.LIGHTLABINT.COM)
 CATALOG: LUX-IK10-5-D-HO2-850-2'-U10-CA2'
 INPUT WATTAGE: 225
 MAX CD: 8,507.5 AT HORIZONTAL: 0°, VERTICAL: 0.5°



ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% LUMINAIRE
0-30	6,642.1	24.9%
0-40	10,996.3	41.3%
0-60	20,163.6	75.7%
60-90	6,172.9	23.2%
70-100	2,688.5	10.1%
90-120	62.5	0.2%
0-90	26,336.5	98.9%
90-180	290.0	1.1%
0-180	26,626.5	100%



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

LCS TABLE		
BUG RATING	B4 - U3 - G3	
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	3,321.6	12.5%
MEDIUM(30-60):	6,759.8	25.4%
HIGH(60-80):	2,798.8	10.5%
VERY HIGH(80-90):	288.3	1.1%
BACK LIGHT		
LOW(0-30):	3,321.6	12.5%
MEDIUM(30-60):	6,759.8	25.4%
HIGH(60-80):	2,798.8	10.5%
VERY HIGH(80-90):	288.3	1.1%
UPLIGHT		
LOW(90-100):	5.0	0%
HIGH(100-180):	284.9	1.1%
TRAPPED LIGHT:	0.000	0%