

Project Name:

Type:

Notes:

Catalog Number: LUX - WAVE - 4 - D - HO2 - - 4' -

High-bay LED luminaire specifically designed for indirect sports lighting applications. Intended for natatoriums and tennis courts but is suitable for almost any indirect lighting project where high uniformity is desired.

Optics:

- 360° Rotatable BARs for Customized Distributions
- Wide 120° Beam Angle for Maximum Uniformity
- Diffuse Lensing Available in Clear and White
- Optional Glare Guards for Up and Down Light, (1) per LED Bar

Mechanical:

- 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



Performance:

- 47,681 Nominal Lumens
- 362 Watts
- 132 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
- Custom Mounting

Fixture Dimensions:

- 47.5"L x 16"W x 12"H (120.7cm x 30.5cm x 3.8cm)

Fixture Weight:

- 21 Lbs (9.5 kg)

Standard Finish Includes (shown above):

- Brite-Dip Anodized Aluminum Extrusions
- White Powder Coated Aluminum Endcaps



If any options are not desired, leave blank.

LUX - WAVE - 4 - D - HO2 - - 4' -

Mfr.	Series	Bi a VYf cZ6Ufg	Channel Config.	Module	CRI/ CCT	@b[h	0-10V Dim	Lens	Application	Voltage Option	Direction of Light	Custom Output	Glare Guard	Access to Electronics	Cord	Mounting	Finish	Controls	Emergency Driver
WAVE	4	D - Double Channel	HO2	850	4'	U10	NL	NAT	Contact Factory if other than 120V-277V	DIR	CFO	Deflector	TOP	3/10		STND(W)	DLH	EM10	
				840		U1	CA4'	TC		IND	CFI	"See Deflector Specification for Details"	BOT	4/10		CC####	OCC	EM15	
				835		UX	CP4'	MFG/WHS		CLD				5/10			D/O	10 Watt EM Backup	
				830			WA4'	GYM						6/10			WCM	15 Watt EM Backup	
				827			WP4'	A/FH						3/15					
				927				ARCH						4/15					
														5/15					
														6/15					

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%

*Other CRI and CCT Available Contact Factory for Availability

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%

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

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

Option	Description
CFO	Custom Fixture Output. Specify Needed Lumens.
CFI	Custom Fixture Input. Specify Needed Wattage.

Option	Description
Deflector 4' - No Bend	Glare guard with flat front surface for moderate light-spill control
Deflector 4' - With Bend	Glare Guard with additional light-spill control

* (1) Deflector per LED Bar, fixtures may be ordered with any number and combination of deflectors.
See the detail sheet Online at: www.luxdynamics.com/cutsheets/WAVE/LUX_deflector.pdf

Option	Description
TOP	Lid Opens from Top
BOT	Lid Opens from Bottom

Digit	Description
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

Option	Description
STND	Standard Finish - As Shown in Photo Above
CC####	Custom Color - Please Provide RAL Number

Option	Description
H2P5	2-Point AC Cable up to 5' Length, Hook
H2P10	2-Point AC Cable up to 10' Length, Hook
H2P20	2-Point AC Cable up to 20' Length, Hook
H2P5SS	Stainless Steel 2-Point AC Cable up to 5' Length, Hook
H2P10SS	Stainless Steel 2-Point AC Cable up to 10' Length, Hook
H2P20SS	Stainless Steel 2-Point AC Cable up to 20' Length, Hook
H4P5	4-Point AC Cable up to 5' Length, Hook
H4P10	4-Point AC Cable up to 10' Length, Hook
H4P20	4-Point AC Cable up to 20' Length, Hook
H4P5SS	Stainless Steel 4-Point AC Cable up to 5' Length, Hook
H4P10SS	Stainless Steel 4-Point AC Cable up to 10' Length, Hook
H4P20SS	Stainless Steel 4-Point AC Cable up to 20' Length, Hook
MH1P	Meyer's Hub 1-Point, 3/4" GRC Adapter
MH2P	Meyer's Hub 2-Point, 3/4" GRC Adapters
SM	Surface Mount
WM	Wall Mount
TM	Truss Mount

* Custom Mounting Available - Contact Factory with Request
* For lengths greater than 20' - Contact Factory with Request

Option/Adder Data

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

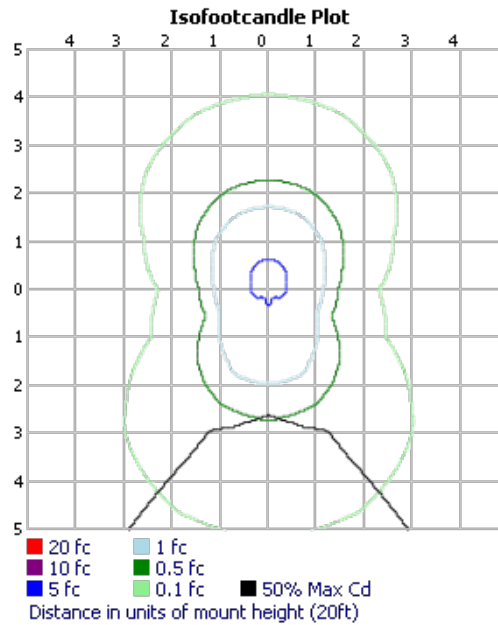
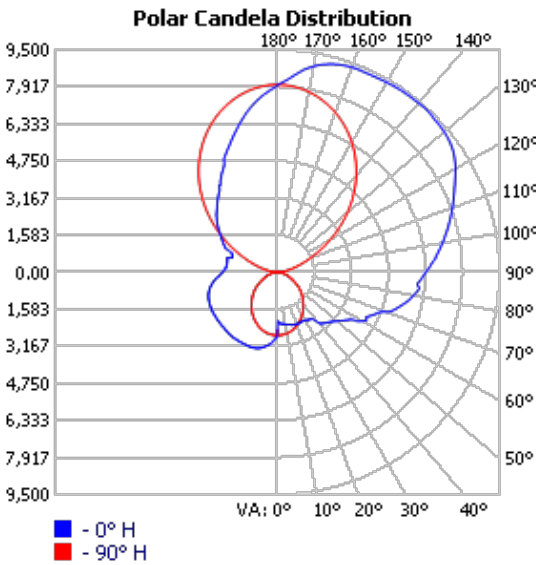
Daylight Harvesting & Occupancy Sensor- Dim		Daylight Harvesting Sensor - Dim		Occupancy Sensor - On/Off		Wireless Control Module	
Control Type	PIR/Photocell 1-10V	Control Type	Photocell 1-10V	Control Type	PIR Line Voltage	Quantity Needed Per Fixture	1
Ambient Temperature	5°C to 55°C	Ambient Temperature	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

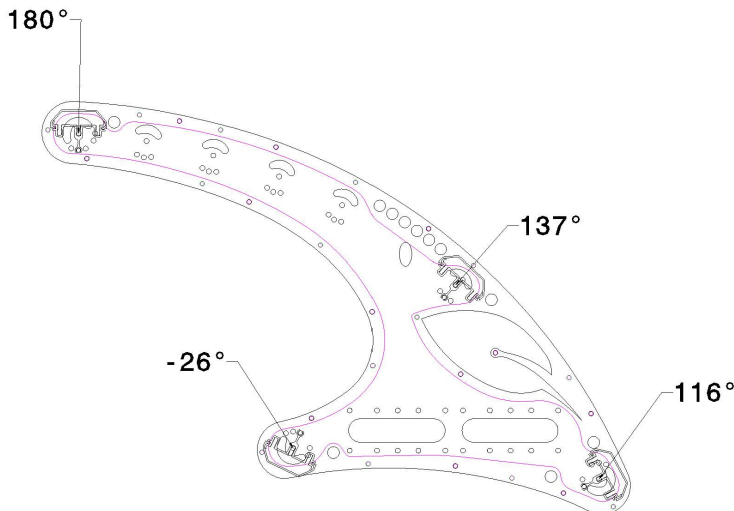
347/480Volt Step-Down Transformer	
Quantity Needed Per Fixture	1
Ambient Temperature	-40°C to 100°C

TEST #: LLI-17198-3
 TEST LAB: LIGHTLAB INTERNATIONAL (WWW.LIGHTLABINT.COM)
 CATALOG: LUX-WAVE-4-D-HO2-850-4'-U10-CA4'
 INPUT WATTAGE: 361.7
 MAX CD: 9,433.0 AT HORIZONTAL: 0°, VERTICAL: 138°



ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% LUMINAIRE
0-30	2,108.4	4.9%
0-40	3,578.3	8.3%
0-60	7,378.3	17%
60-90	7,472.0	17.2%
70-100	7,941.4	18.3%
90-120	9,632.6	22.2%
0-90	14,850.3	34.3%
90-180	28,507.9	65.7%
0-180	43,358.3	100%

Standard Bar Configuration, as Tested.



LCS TABLE		
BUG RATING	B3 - U5 - G5	
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	916.2	2.1%
MEDIUM(30-60):	2,398.3	5.5%
HIGH(60-80):	2,800.2	6.5%
VERY HIGH(80-90):	1,826.2	4.2%
BACK LIGHT		
LOW(0-30):	1,192.5	2.8%
MEDIUM(30-60):	2,870.4	6.6%
HIGH(60-80):	2,028.5	4.7%
VERY HIGH(80-90):	820.5	1.9%
UPLIGHT		
LOW(90-100):	2,760.3	6.4%
HIGH(100-180):	25,739.8	59.4%
TRAPPED LIGHT:	5.4	0%