LED High Bay Fixture
ECLIPSE SERIES HIGH OUTPUT

High Output High Bay

Topaz's Eclipse Series High Output luminaire is designed to provide suitable illumination for applications up to 30-feet high. With a durable die-cast aluminum housing, IK09 impact rated polycarbonate lens, large capacity heat sink and encapsulated power supply, these luminaires are built to endure the rigorous conditions found in most commercial environments. To maximize functionality and energy savings, Topaz offers an optional microwave motion sensor with pre-programmed settings suitable for most applications. For further adjustments, the settings can be customized with the optional remote control.

FEATURES
- Large capacity heatsink and encapsulated power supply for heat management and long life
- 4kV surge protection
- Die-cast aluminum housing with black powder coat finish
- IK09 Impact rated polycarbonate lens
- Includes 6-foot power cord with leads and 1.7-foot safety cable
- Includes J-hook mount and ½″ threaded hub for pendant mounting options
- Optional plug-in microwave motion sensor and remote control sold separately

SUGGESTED APPLICATIONS
- Commercial lighting
- Aircraft hangers
- Arenas and gymnasiums
- Convention centers
- Warehouses

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GENERAL SPECIFICATIONS

Input Voltage, Frequency: 120-277V, 50/60Hz
Power Factor, THD %: >0.9, <20%
Non-Dimmable
Surge Protection: 4kV
Efficacy: 130 LPW

CRI: 80
Functional Life (L70): 50,000 hours
Location Rating: Wet
IP Rating: IP65
Ambient Operating Temperature: -40°F to 122°F

ITEM SPECIFICATIONS / ORDER INFO

Catalog Number	Order Code	UPC	Lumens	Wattage	Input Current 120V/277V	CCT	Beam Angle	DLC ID
F-LUHB/300W/50K	70250	751338036321	39,000	300W	2.75/1.20A	5000K	110°	PLFODQ71J05

NOMENCLATURE

Example: F-LUHB/300W/50K

F-LUHB = Fixture LED UFO High Bay / **300W** = 300 Watts / **50K** = 5000K
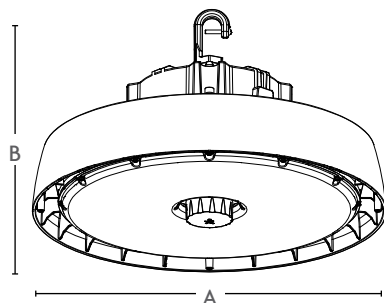
ACCESSORIES (SOLD SEPARATELY)

Catalog Number	Order Code	UPC	Description
F-LUHB/MS/ES-87	70463	751338036345	Plug-in motion sensor for use with LED Round High Bay - Eclipse Series
F-LUHB/WD/RC	74390	751338033757	Remote control

ENERGY SAVINGS

Catalog Number	LED Wattage	Replacement HID Wattage	Watts Saved	Yearly Savings	5 Year Savings
Based on 12 hours/day and $0.11/kWh **F-LUHB/300W/50K**	300W	600W-1,000W	300W-700W	$144-$337	$723-$1,686

PRODUCT DIMENSIONS / LINE DRAWING

Catalog Number	(A)	(B)	Weight
F-LUHB/300W/50K	14.9"	9.5"	15.2 Lbs.

NOTES:

Specifications subject to change without notice. Replacement wattage shown depends on application and fixture.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

WARNING: Some products included in this specification sheet may be subject to the warning requirements of California's Proposition 65. Please refer to your product packaging for more information.

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REMOTE CONTROL

Catalog Number	Order Code	UPC
F-LUHB/WD/RC	74390	751338033757

(Order 1 per project)

MOTION SENSOR PRE-PROGRAMMED SETTINGS

Detection Area	Hold Time	Stand-by Dimming Level	Stand-by Dimming Period	Daylight Sensor
100%	1 Minute	10% / 3,900 Lumens	10 seconds	Disabled

SAMPLE APPLICATIONS

Sample Application	Detection Area	Hold Time	Stand-by Level	Stand-by Period	Daylight Threshold	Comments
Warehouse (no skylights)	100%	3 minutes	10%	30 minutes	Disable	With the assumption that personnel will only be in an area briefly, the hold time is short and the standby level is set low for maximum savings. After 30 minutes, the area will go to off, ensuring that the lights turn off when the facility goes completely vacant.
Warehouse (with skylights)	100%	3 minutes	10%	30 minutes	80 LUX	Same as above, but with the daylight threshold enables so that the lights will turn off when daylight is available. The threshold could be set to lower or higher levels according to the specific needs.
Food handling area	100%	20 minutes	30%	30 minutes	Disable	With the assumption that personnel may spend an extended period of time in a location without moving around a lot, the hold time is relatively long. The stand-by level is set higher so that areas adjacent to the work area are more fully lit. With the 30 minute stand-by time, the area will eventually turn off fully after workers have vacated.
24-hour factory	75%	30 minutes	20%	+ Infinity	Disable	The detection area is set 75% (or perhaps even lower) so that adjacent areas aren't unnecessarily lit. Because workers may be stationary for extended times, the hold time is set to 30 minutes. Because the facility never goes completely vacant, the stand-by period is set to infinity. The facility will never go dark - it will remain at 20% in any area that is vacant.

FIXTURE CAPABILITIES

Detection Area	Hold Time	Stand-by Level	Stand-by Period	Daylight Threshold
100%, 75%, 50%, 25%	30 min, 20 min, 10 min, 5 min, 3 min, 1 min, 30 sec, 5 sec	50%, 30%, 20%, 10%	30 min, 10 min, 5 min, 1 min, 30 sec, 10 sec, 0 sec	Disabled, 120 lux, 80 lux, 50 lux, 30 lux, 10 lux, 2 lux
Sets the size of the detection area	The time period that the fixture will remain at full after motion is no longer detected	The level that the fixture goes to after the hold time is complete. If the standby period is 0 sec, the fixture will turn off	The time period that the fixture will remain at the standby level before turning off. The standby period starts after the hold period	The light level above which the fixture will turn off and stay off regardless of motion. Typically only used in outdoor or other locations with substantial natural light

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REMOTE CONTROL INSTRUCTIONS

ON/OFF
Press "ON/OFF", and light will turn on or off.
*Press "Auto Mode", "Reset" or "Scene mode" buttons to quit from this mode.

Detection area
Press to select "detection range" as 100% / 75% / 50% / 25%.

Hold-time
Press to set "hold-time" as 5s / 30s / 1 min / 3 min / 5 min / 10 min /20 min/ 30 min.

Stand-by dimming level
Press to select "stand-by dimming level" as 10% / 20% / 30% / 50%.

Stand-by period
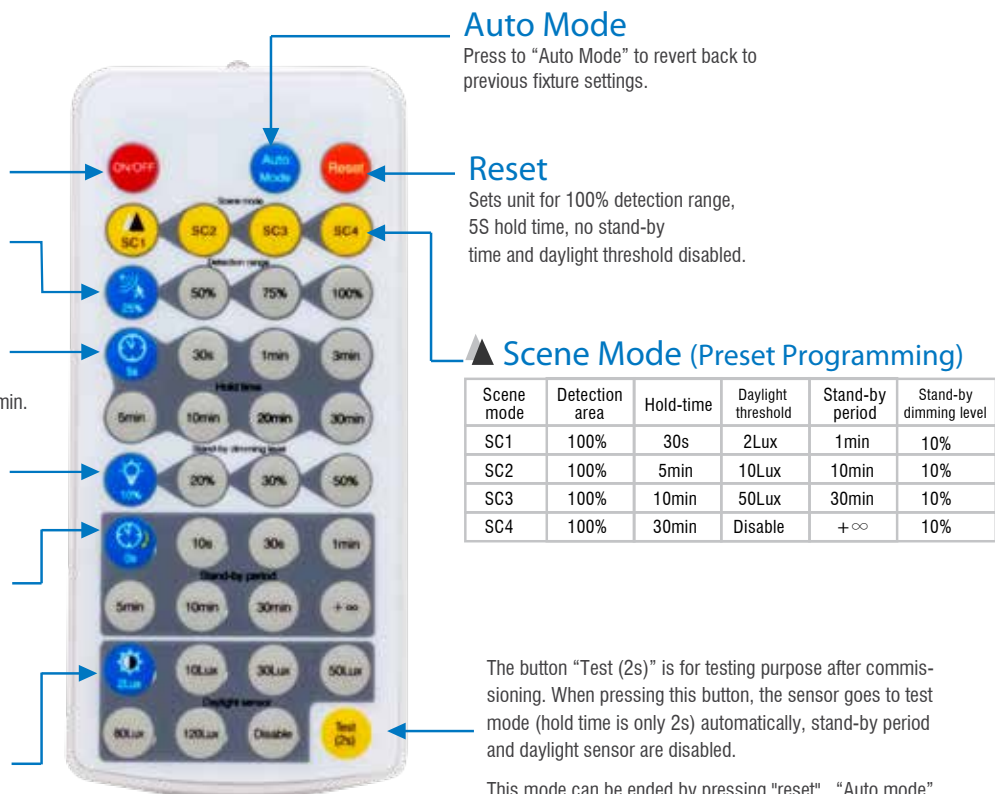Press to select "stand-by period" as 0s / 10s / 30s / 1min / 5min / 10min / 30min / +∞.

Note: "0s" means no standby period; "+∞" means unlimited standby period.

Daylight threshold
Press to select "daylight sensor" threshold as 2Lux / 10Lux / 30Lux / 50Lux / 80Lux /120Lux / disable.

Note: setting to "disable" means light will be turned on once sensor detects movement, regardless of the ambient lux.

Auto Mode
Press to "Auto Mode" to revert back to previous fixture settings.

Reset
Sets unit for 100% detection range, 5S hold time, no stand-by time and daylight threshold disabled.

▲ Scene Mode (Preset Programming)

Scene mode	Detection area	Hold-time	Daylight threshold	Stand-by period	Stand-by dimming level
SC1	100%	30s	2Lux	1min	10%
SC2	100%	5min	10Lux	10min	10%
SC3	100%	10min	50Lux	30min	10%
SC4	100%	30min	Disable	+∞	10%

The button "Test (2s)" is for testing purpose after commissioning. When pressing this button, the sensor goes to test mode (hold time is only 2s) automatically, stand-by period and daylight sensor are disabled.

This mode can be ended by pressing "reset", "Auto mode", "scene mode" or "hold time". The sensor setting is changed accordingly.

Notes

1. When using ON/OFF button, this will override any other programming. Be sure to reactivate sensor by pressing a scene button, auto mode, etc.
2. Press "Scene Mode" to choose one of the existing four programming presets.
3. When using the remote control, light will flicker to show the instruction was received.
4. Every function change will be automatically saved.

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