

# Biscayne 2

**LED Round High Bay Luminaire**  
**Shock/Vibration Resistant**  
**Metal Halide / HPS Replacement**

We reserve the right to revise the design or components of any product without notice.

CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		

## SPECIFICATIONS

- DRIVER — Universal Voltage (120~277V) Electronic Driver. Optional 347V/480V.
- HEAT SINK — Built-in Aluminum Die-Cast Heatsink.
- HOUSING — Sealed Die-Cast Waterproof Aluminum Housing. Finished in Oven Baked Polyester Powder Coat.
- LENS / REFLECTOR — Clear polycarbonate integrated lens. Optional polycarb. clear prismatic reflector, acrylic frosted prismatic reflector, shallow polycarb. clear prismatic reflector, and shallow polycarb. frosted prismatic reflector.
- LIGHT DISTRIBUTION — 120° Uniform Light Distribution / Intensity.
- LIGHT ENGINE — Energy Efficient Light Emitting Diode replaces 250W/320W/400W HID.
- LUMEN OUTPUT — Ranges from 19,800-29,700lm / Efficacy up to 149lm/W. 70CRI.
- MOUNTING — Hook Mount, Surface Mount, or Pendant Mount.
- OPERATING TEMP — -40°C to 55°C (-40°F to 131°F).
- COMPLIANCE — Built to comply with U.S. and Canadian safety standards. UL Listed for wet locations. Shock/Vibration Resistant.
- WARRANTY — 5 Years, Defects and Workmanship.



Series	Mounting	LED Wattage	CCT	Voltage	Finish	Options

### SERIES

BC2 = Biscayne 2 Round High Bay Luminaire Series

### MOUNTING

HOOK = Hook Mount

SM = Surface Mount (includes Rapid Mount Box)

PEND = Pendant Mount

-Includes Rapid Mount Box

-1/2" IPS Conduit Stem (3" is Standard)

-For Other Stem Lengths (Consult Factory)

#### Choose Pendant Canopy Style:

SWC-R = Swivel Canopy for 4" Round J-BOX

SWC-RR = Swivel Canopy for 4" Round J-BOX

— Rapid Mount with Hinged Door

SWC-S = Swivel Canopy for 4" Square J-BOX

SWC-SR = Swivel Canopy for 4" Square J-BOX

— Rapid Mount with Hinged Door

Note: See Page 3 for Images/Examples

### LED WATTAGE

See Below Chart for Wattage / Lumen Info

LED(xx) = LED (xx = Wattage, ex: LED100)

### LED COLOR TEMPERATURE (CCT)

4K = ±4000K range LED

5K = ±5000K range LED

### DRIVER VOLTAGE

347 = 347 Volts

480 = 480 Volts

UNV = Universal Volt (120-277v) Electronic Driver

### FINISH

BK = Black

BZ = Bronze

WH = White

+NAT = Conformal Coating - Light Engine Only

### REFLECTOR OPTIONS

AFR = Acrylic Frosted Prismatic Reflector

PCR = Polycarbonate Clear Prismatic Reflector

SPCR = Shallow Polycarbonate Clear Prismatic Reflector

SPFR = Shallow Polycarbonate Frosted Prismatic Reflector

### CONTROL OPTIONS

OCC = Occupancy Sensing | Motion Sensor Integral

— Microwave / Single Feed / 120/277V Only

— Standby Dim Level Presets: ON/OFF (0%/100%)

### EMERGENCY / BATTERY OPTIONS

EL = Emergency Battery Light

— Includes Separate Battery Box

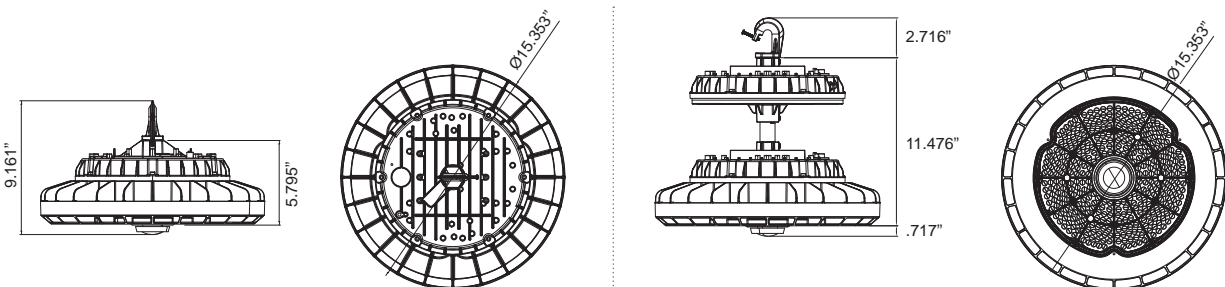
— 16 Watt | 2000 Lumens

— 90 Min Emergency Backup Time

— Ambient Temp: 10°C~40°C / 50°F~104°F

LED Wattage / Voltage		4000K (70CRI)		5000K (70CRI)	
SYSTEM WATTS	VOLTAGE	LUMENS	LPW	LUMENS	LPW
80W	120~277V / 347~480V	11,600lm	145 lm/w	11,600lm	145 lm/w
100W	120~277V / 347~480V	14,800lm	148 lm/w	14,800lm	148 lm/w
135W	120~277V / 347~480V	19,800lm	147 lm/w	19,800lm	147 lm/w
175W	120~277V / 347~480V	25,600lm	146 lm/w	25,600lm	146 lm/w
200W	120~277V / 347~480V	29,700lm	149 lm/w	29,700lm	149 lm/w

## DIMENSIONS



**FEATURES**

**Mounting**

Suitable for Hook or 3/4" Conduit Pendant

**Emergency Battery / Box**

16 Watt / 2000 Lumens / 90 Minutes

**Housing**

Symmetrical design with built-in heatsink for optimal heat dissipation. Optional motion sensor maximizes energy efficiency and cost savings.

**Motion Sensor**

Optional motion sensor allows for security and energy saving.



**MOUNTING TYPES**



Hook Mount (HOOK)



Surface Mount (SM)



Pendant Mount (PEND)

**REFLECTOR OPTIONS**



Polycarbonate Clear Prismatic Reflector



Acrylic Frosted Prismatic Reflector



Shallow Polycarbonate Clear Prismatic Reflector



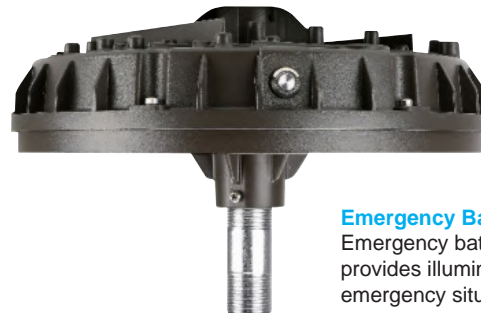
Shallow Polycarbonate Frosted Prismatic Reflector

**CONTROL / EMERGENCY OPTIONS**



**Mounting Sensor**

Integrated motion sensor with ON/OFF and dimming control



**Emergency Battery / Box**

Emergency battery pack provides illumination during emergency situations.

PENDANT SWIVEL CANOPY TYPES

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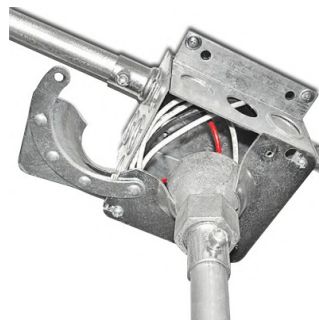
**Swivel Canopy 4" for  
Round/Octagonal J-BOX (SWC-R)**



**Swivel Canopy 4" for  
Square J-BOX (SWC-S)**



**Swivel Canopy 4" for  
Round/Octagonal J-BOX  
Rapid Mount with Hinged Door  
(SWC-RR)**



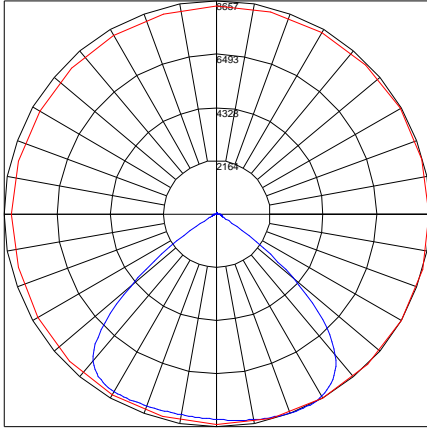
**Swivel Canopy 4" for  
Square J-BOX  
Rapid Mount with Hinged Door  
(SWC-SR)**

PHOTOMETRIC DATA

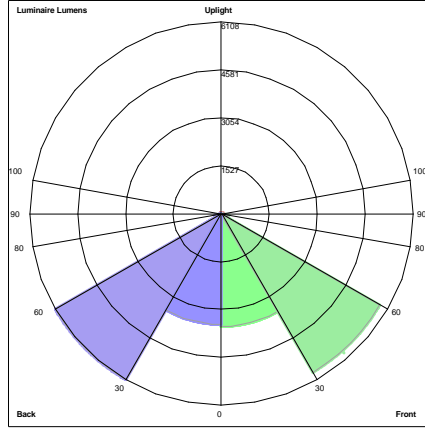
Test Catalogue #: BC2-HOOK-LED135-5K-UNV-BZ | Test Date: 5/21/2019

Lamp Output	Lumen Efficacy	Input Voltage	Input Wattage	Distribution Type	Color Temp	BUG Rating
19,533.1 Lumens	143.9 LPW	120.0V	135.71W	Type V - Short	5000K	B4-U2-G1

POLAR GRAPH



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



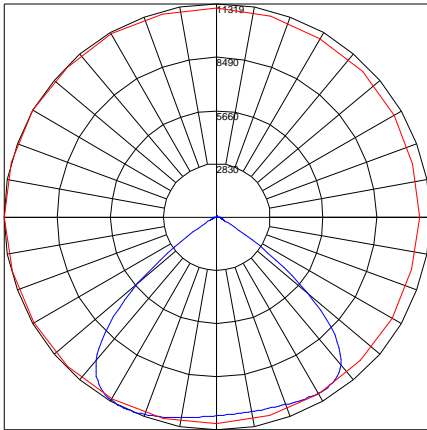
LCS Summary

Zone	Lumens
Forward Low (0-30)	3597.3
Forward Medium (30-60)	5825.6
Forward High (60-80)	212.5
Forward Very High (80-90)	19.1
Back Low (0-30)	3531.9
Back Medium (30-60)	6107.9
Back High (60-80)	223.7
Back Very High (80-90)	20.5
Up Low (90-100)	0.1
Up High (100-180)	14.5

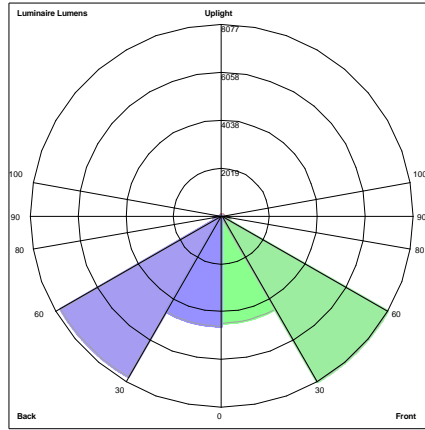
Test Catalogue #: BC2-HOOK-LED175-5K-UNV-BZ | Test Date: 5/20/2019

Lamp Output	Lumen Efficacy	Input Voltage	Input Wattage	Distribution Type	Color Temp	BUG Rating
25,839.6 Lumens	147.5 LPW	120.0V	175.2W	Type V - Short	5000K	B4-U2-G1

POLAR GRAPH



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



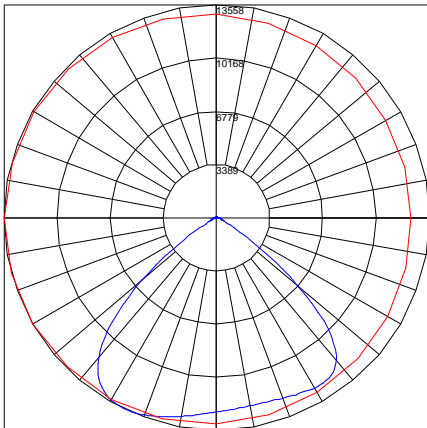
LCS Summary

Zone	Lumens
Forward Low (0-30)	4522.6
Forward Medium (30-60)	8076.7
Forward High (60-80)	337.1
Forward Very High (80-90)	33.3
Back Low (0-30)	4652.8
Back Medium (30-60)	7839.8
Back High (60-80)	326.0
Back Very High (80-90)	31.7
Up Low (90-100)	0.3
Up High (100-180)	19.3

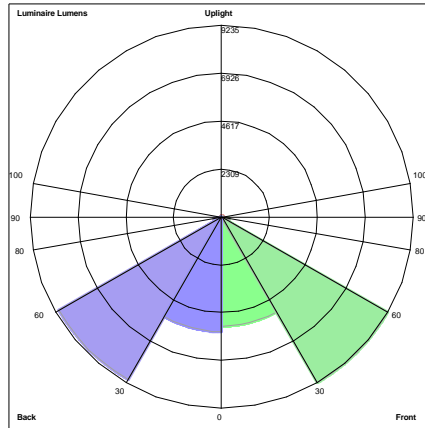
Test Catalogue #: BC2-HOOK-LED200-5K-UNV-BZ | Test Date: 5/20/2019

Lamp Output	Lumen Efficacy	Input Voltage	Input Wattage	Distribution Type	Color Temp	BUG Rating
29,930.4 Lumens	150.1 LPW	120.0V	199.4W	Type V - Short	5000K	B5-U2-G1

POLAR GRAPH



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



LCS Summary

Zone	Lumens
Forward Low (0-30)	5280.5
Forward Medium (30-60)	9234.9
Forward High (60-80)	366.2
Forward Very High (80-90)	35.0
Back Low (0-30)	5539.4
Back Medium (30-60)	9043.8
Back High (60-80)	372.0
Back Very High (80-90)	35.9
Up Low (90-100)	0.3
Up High (100-180)	22.4