



The Parking Garage Collection HBS4 LED High Bay Smart Luminaire

MODEL TYPES



Single Model Type



Dual Model Type



LED WATTAGES / LUMENS

HBS4 SINGLE MODEL TYPE			
WATTAGE	LUMENS (Based on 60° Beam Angle / 5000K CCT)	LUMENS (Based on 90° Beam Angle / 5000K CCT)	MAX AMBIENT TEMP
150 Watt	25,853 Lumens	25,854 Lumens	65°C
200 Watt	33,413 Lumens	34,380 Lumens	65°C
240 Watt	39,242 Lumens	39,775 Lumens	50°C
320 Watt	53,120 Lumens	52,052 Lumens	50°C

Note: Delivered lumen output is the same for all input voltages.

HBS4 DUAL TANDEM MODEL TYPE			
WATTAGE	LUMENS (Based on 60° Beam Angle / 5000K CCT)	LUMENS (Based on 90° Beam Angle / 5000K CCT)	MAX AMBIENT TEMP
400 Watt	66,826 Lumens	68,760 Lumens	65°C
500 Watt	78,484 Lumens	79,550 Lumens	50°C
650 Watt	106,240 Lumens	104,104 Lumens	50°C

Note: Delivered lumen output is the same for all input voltages.

Catalog Number	
Project Name & Location	Type

Product Specifications

DRIVER: Universal Voltage (120-277V) Electronic Driver. 0-10V Low Voltage Dimming is Standard.
FINISH: UV Stabilized powdercoat finish.
HOUSING: Heavy-duty aluminum with built-in heat-sink fins allowing heat to rise and dissipate.
LENS: Polycarbonate.
LIGHT ENGINE: Energy Efficient Light Emitting Diode. Efficacy 145 lm/w.
BEAM ANGLE: 30° / 60° / 90° / 120°
COLOR RENDERING INDEX: +75 CRI.
POWER FACTOR: 0.95+.

AMBIENT OPERATING TEMPERATURE: ≤ 65°C (149°F).
MOUNTING: Hook Mount and Pendant Mount.
COMPLIANCE: Built to comply with U.S. and Canadian safety standards. ETL, cETL, FCC, SAA, CE, RoHS Certified. Tested IK10 Impact Testing according to IEC 62262.2002. IP65 Rated.
WARRANTY: Standard 5 Years, defects and workmanship.

ORDER EXAMPLE:

HBS4-S-LED200-CT4-90D-UNV-BK-HOOK-OCC
 HBS4-S-LED200-CT5-120D-UNV-BK-PEND6-CSW-SR

SERIES

HBS4 High Bay Smart 4 Series

MODEL TYPE

S Single Fixture
 D Dual Tandem Fixtures

LED WATTAGE

Note: See Chart for Lumen Output

HBS4 Single Model Type - LED Wattages

LED150 150 Watt LED
 LED200 200 Watt LED
 LED240 240 Watt LED
 LED320 320 Watt LED

HBS4 Dual Model Type - LED Wattages

LED400 400 Watt LED
 LED500 500 Watt LED
 LED650 650 Watt LED

LED COLOR TEMPERATURE

CT3 ±3000K LED Color Temp - MoQ=10
 CT4 ±4000K LED Color Temp - MoQ=10
 CT5 ±5000K LED Color Temp - STANDARD

BEAM ANGLE / LED DISTRIBUTION

30D 30°
 60D 60°
 90D 90°
 120D 120°

VOLTAGE

347 347 Volt
 480 480 Volt
 UNV 120-277 Universal Volt Electronic Driver
 - Features Standard 0-10V Dimming

STANDARD FINISH

BK Black - STANDARD
 SG Silver Gray
 WHT White

PREMIUM UPCHARGE FINISH

CC Custom Color (Must Specify Ral Color #)
 - MoQ of 25 for Custom Colors

MOUNTING OPTIONS

Note: See Page 2 for Diagrams / Examples

HOOK Hook Mount - STANDARD
 PEND-CSW-RR Pendant Mount with Swivel Canopy for 4" Round J-Box
 - Stem Connects to 4" Conduit Box
 - Choose Stem Length: 3" Stem or 6" Stem
 - Total Pendant Length:
 3" Stem = 7" | 6" Stem = 10"
 - Order Example (6" Stem): PEND6-CSW-RR
 PEND-CSW-SR Pendant Mount with Swivel Canopy for 4" Square J-Box
 - Stem Connects to 4" Conduit Box
 - Choose Stem Length: 3" Stem or 6" Stem
 - Total Pendant Length:
 3" Stem = 7" | 6" Stem = 10"
 - Order Example (6" Stem): PEND6-CSW-SR

SENSOR CONTROL (Sensor Integral to Fixture)

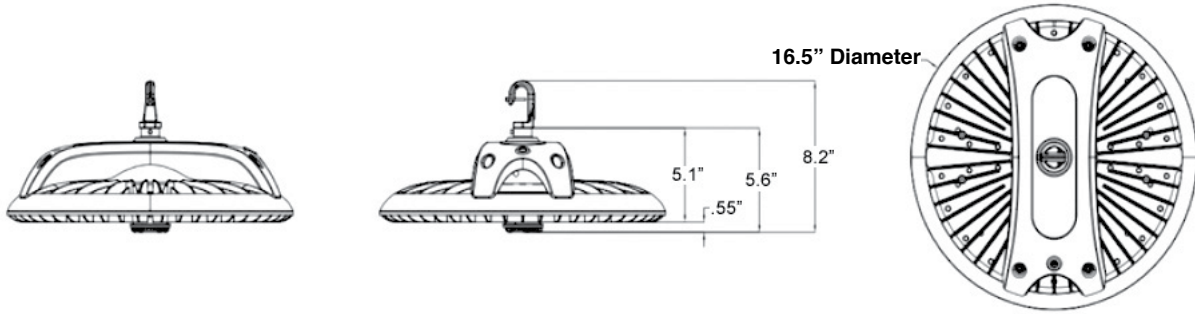
OCC Occupancy Sensing / Motion Sensor
 Integral
 - Microwave / Single Feed / 120/277 Only
 - Stand-by Dimming Level Presets: ON/OFF

ACCESSORY OPTIONS

Order As A Separate Line

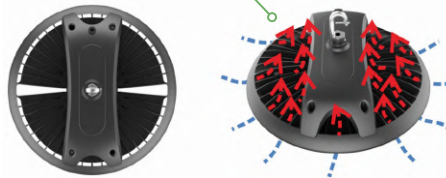
REMT0034 Handheld Remote Control
 - Required for OCC Option

DIMENSIONS



MOUNTING TYPES

Optimal Thermal Design
Allows Heat to Rise and
Dissipate

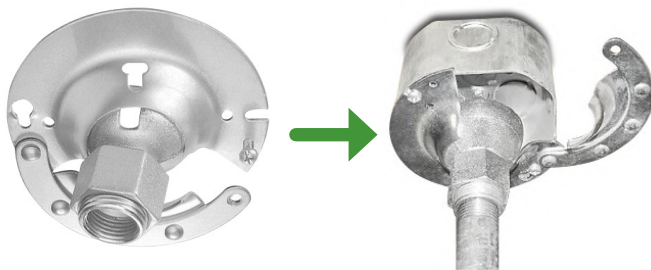


Hook Mount

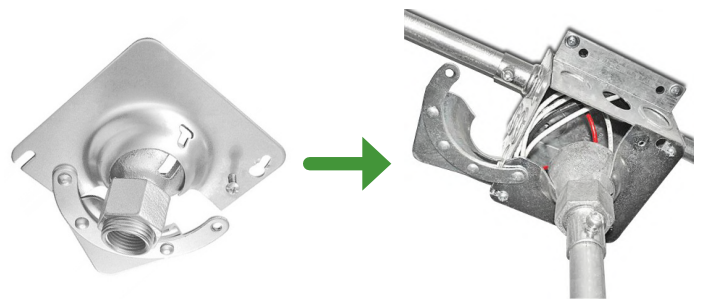


Pendant Mount
3" or 6" Stem
Includes 4" Conduit Box
and Swivel Canopy

PENDANT SWIVEL CANOPY TYPES



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



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

SENSOR OPTION

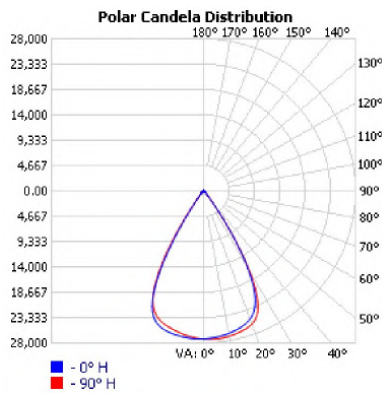


Occupancy Sensor (OCC)
Simple Plug-and-Play Installation

PHOTOMETRIC DATA

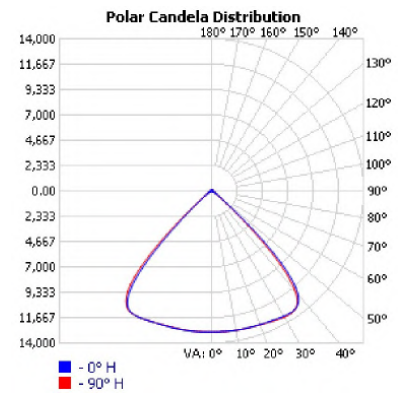
Summary of Results HBS4-S-LED150-CT5-60D-UNV					
Lumen Output	Efficacy	Input Power	CCT	Beam Angle	BUG Rating
25,853 Lumens	171.6 Lm/W	150.654W	5000K	60 Degrees	B5-U3-G1

LCS Summary	
Zone	Lumens
Forward Low (0-30)	9,999.8
Forward Medium (30-60)	2,635.7
Forward High (60-80)	196.0
Forward Very High (80-90)	21.3
Back Low (0-30)	9,987.6
Back Medium (30-60)	2,344.4
Back High (60-80)	187.4
Back Very High (80-90)	16.1
Up Low (90-100)	1.3
Up High (100-180)	229.8



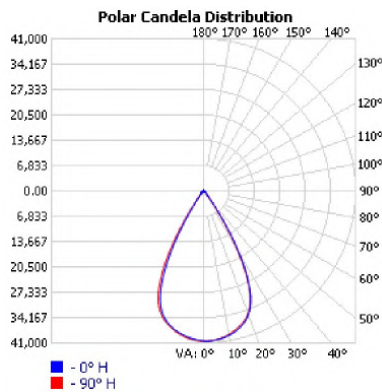
Summary of Results HBS4-S-LED150-CT5-90D-UNV					
Lumen Output	Efficacy	Input Power	CCT	Beam Angle	BUG Rating
25,854 Lumens	172.3 Lm/W	150.065W	5000K	90 Degrees	B5-U3-G1

LCS Summary	
Zone	Lumens
Forward Low (0-30)	5,531.3
Forward Medium (30-60)	7,255.6
Forward High (60-80)	218.5
Forward Very High (80-90)	17.0
Back Low (0-30)	5,544.7
Back Medium (30-60)	6,838.0
Back High (60-80)	205.3
Back Very High (80-90)	13.4
Up Low (90-100)	2.0
Up High (100-180)	227.5



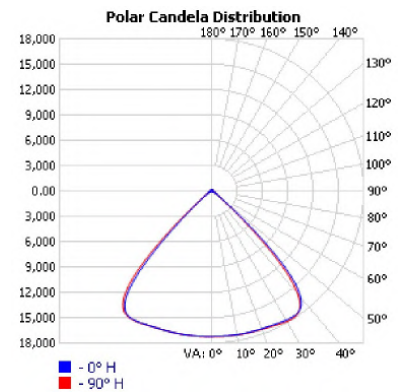
Summary of Results HBS4-S-LED200-CT5-60D-UNV					
Lumen Output	Efficacy	Input Power	CCT	Beam Angle	BUG Rating
33,413 Lumens	167.1 Lm/W	200W	5000K	60 Degrees	B5-U3-G1

LCS Summary	
Zone	Lumens
Forward Low (0-30)	13,629.3
Forward Medium (30-60)	3,046.7
Forward High (60-80)	329.8
Forward Very High (80-90)	38.9
Back Low (0-30)	13,122.5
Back Medium (30-60)	2,599.8
Back High (60-80)	314.8
Back Very High (80-90)	29.0
Up Low (90-100)	2.3
Up High (100-180)	299.8



Summary of Results HBS4-S-LED200-CT5-90D-UNV					
Lumen Output	Efficacy	Input Power	CCT	Beam Angle	BUG Rating
34,380 Lumens	167.9 Lm/W	204.726W	5000K	90 Degrees	B5-U3-G1

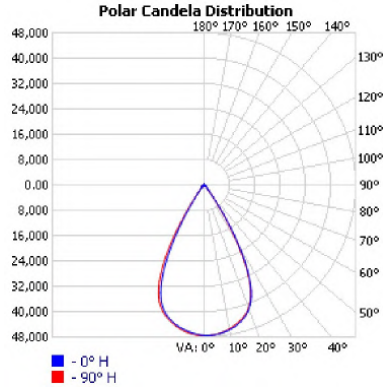
LCS Summary	
Zone	Lumens
Forward Low (0-30)	7,344.6
Forward Medium (30-60)	9,662.9
Forward High (60-80)	291.3
Forward Very High (80-90)	22.8
Back Low (0-30)	7,361.8
Back Medium (30-60)	9,098.8
Back High (60-80)	273.5
Back Very High (80-90)	17.8
Up Low (90-100)	2.8
Up High (100-180)	304.1



PHOTOMETRIC DATA

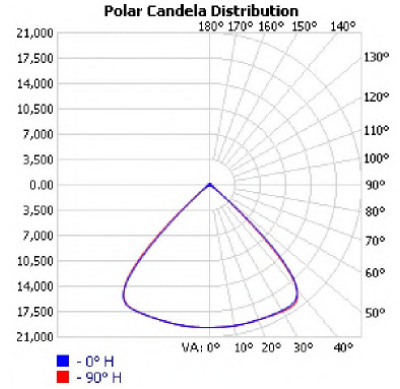
Summary of Results HBS4-S-LED240-CT5-60D-UNV					
Lumen Output	Efficacy	Input Power	CCT	Beam Angle	BUG Rating
39,242 Lumens	167.0 Lm/W	235W	5000K	60 Degrees	B5-U3-G1

LCS Summary	
Zone	Lumens
Forward Low (0-30)	16,011.7
Forward Medium (30-60)	3,569.0
Forward High (60-80)	386.2
Forward Very High (80-90)	45.5
Back Low (0-30)	15,420.0
Back Medium (30-60)	3,052.4
Back High (60-80)	368.4
Back Very High (80-90)	33.7
Up Low (90-100)	2.7
Up High (100-180)	352.2



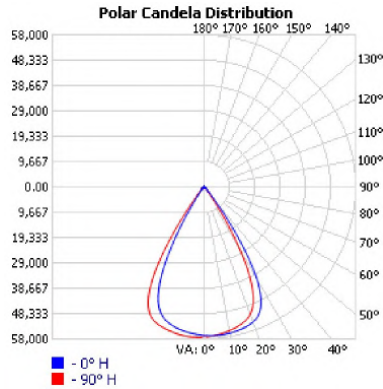
Summary of Results HBS4-S-LED240-CT5-90D-UNV					
Lumen Output	Efficacy	Input Power	CCT	Beam Angle	BUG Rating
39,775 Lumens	164.72 Lm/W	241.469W	5000K	90 Degrees	B5-U3-G1

LCS Summary	
Zone	Lumens
Forward Low (0-30)	8,361.2
Forward Medium (30-60)	11,268.4
Forward High (60-80)	306.8
Forward Very High (80-90)	23.3
Back Low (0-30)	8,374.4
Back Medium (30-60)	10,773.7
Back High (60-80)	293.7
Back Very High (80-90)	19.0
Up Low (90-100)	3.2
Up High (100-180)	351.6



Summary of Results HBS4-S-LED320-CT5-60D-UNV					
Lumen Output	Efficacy	Input Power	CCT	Beam Angle	BUG Rating
53,120 Lumens	166.5 Lm/W	319W	5000K	60 Degrees	B5-U3-G1

LCS Summary	
Zone	Lumens
Forward Low (0-30)	21,647.8
Forward Medium (30-60)	6,663.7
Forward High (60-80)	435.3
Forward Very High (80-90)	53.6
Back Low (0-30)	19,576.8
Back Medium (30-60)	3,871.8
Back High (60-80)	373.6
Back Very High (80-90)	27.5
Up Low (90-100)	3.1
Up High (100-180)	479.9



Summary of Results HBS4-S-LED320-CT5-90D-UNV					
Lumen Output	Efficacy	Input Power	CCT	Beam Angle	BUG Rating
52,052 Lumens	165.2 Lm/W	315W	5000K	90 Degrees	B5-U3-G1

LCS Summary	
Zone	Lumens
Forward Low (0-30)	10,926.8
Forward Medium (30-60)	14,794.2
Forward High (60-80)	400.6
Forward Very High (80-90)	30.8
Back Low (0-30)	10,945.8
Back Medium (30-60)	14,084.0
Back High (60-80)	380.3
Back Very High (80-90)	24.6
Up Low (90-100)	4.2
Up High (100-180)	460.2

