

HHUF3

Applications

Orion Energy Systems product is NSF/ANSI Standard 2. The Harris HHUF3 is ideal for a wide array of applications including harsh environments in agricultural, industrial and manufacturing. When used with the refractor lens option it provides great up lighting for retail applications. The HHUF3 delivers energy and maintenance savings over traditional HID and fluorescent fixtures.



HHUF3A1UNVFD85006WWHHS45-SP



HHUF-TM-WH

Features

- Tandem Mount Bracket option to meet higher lumen applications, up to 70,000 lumens
- Die cast aluminum housing provides maximum heat dissipation
- White color is standard
- Polycarbonate lens provides ideal distribution and minimizes glare
- 6kV/3kA surge protection standard per ANSI C82.77-5. 20kV/10kA additional surge protection available
- 6' whip power supply comes standard
- Multiple mounting methods available. Eye bolt comes standard
- Multiple fixture control options

Electrical

- Available in 120v-277v and 277v-480v

Fixture Certification & Listings

- [NSF/ANSI Standard 2](#)
- cULus Listed
- UL Wet Location Listed
- IP65 Rated
- IK10 Impact Rating [Fixture Only]

Lumen Maintenance

See lumen maintenance table on page 2

Warranty

Orion HHUF3 LED fixtures are covered by a five-year limited warranty. Seven-year limited warranty available. Accessories and individual components are covered by separate OEM supplier warranties



IP65



HHUF3

Performance Information, 277v, ≥ 80 CRI, 5000K²

Nominal Lumen Code	Actual Lumens	Wattage	Tandem Mount Bracket Option Actual Lumens	Tandem Mount Bracket Option Wattage	LPW	Input Current per Fixture	Power Factor
A1	14,540lm	97w	-	-	150	0.35A	>.90
B1	22,030lm	143w	44,060lm	286w	154	0.52A	>.90
C1	29,912lm	191w	59,824lm	382w	157	0.69A	>.90
D1	35,487lm	229w	70,974lm	458w	155	0.83A	>.90

Lumen Maintenance

Series	Nominal Lumen Code	Nominal Lumens	Operating Temperature	Calculated Lumen Maintenance		
				L70	L80	L90
HHUF3	A1	14,500	25°C	173,000	109,000	51,000
			50°C	173,000	109,000	51,000
HHUF3	B1	22,000	25°C	173,000	109,000	51,000
			50°C	173,000	109,000	51,000
HHUF3	C1	30,000	25°C	173,000	109,000	51,000
			50°C	173,000	109,000	51,000
HHUF3	D1	35,000	25°C	173,000	109,000	51,000
			50°C	158,000	99,000	47,000

NSF Classification (NSF/ANSI Standard 170)

NSF Certification	Orion NSF Certified	USA Accredited Cert. Program Mark	Canada Accredited Cert. Program Mark	NSF Equipment Location, Use & Explanation	Common Lighting Application
3.231.4	Yes-NSF2 (Non-Food Zone)			Exposed equipment surfaces other than those in a food or splash zone.	Non- Food Zone = Food preparation areas such as kitchens, food warehousing area may be damp.
3.231.7	Yes-NSF2 (Splash Zone)			Equipment surfaces, other than those in a food zone, that are subject to splash, spillage, or other food soiling during operation of the equipment.	Splash Zone = Food processing areas where food may land on lighting fixture and pressure hose wash-downs are needed to clean area and lighting fixture. Area may be damp or wet.

Ordering Information Example (NOTE: No dashes or spaces unless noted below)

Series	Nominal Lumen Code	Voltage	Driver Type	CRI; Color Temp	Power Connection	Fixture Color	Fixture Options	Sensor Options	Special Certifications	Packaging Options
HHUF3	A1	UNV	FD	850	06W	WH	TS	HS45	-SZC	-SP

Ordering Information

Series	Nominal Lumen Code ^{1**}	Voltage	Driver Type	CRI; Color Temp	Power Connection	Fixture Colors	Fixture Options	Sensor Options	Special Certifications	Packaging Options
HHUF3= HARRIS LED High Bay UFO, Gen 3	A1= 14,500lm B1= 22,000lm C1= 30,000lm D1= 35,500lm Note: Tandem bracket ordering option is located in the field installed accessories on page 5. The performance information can be located on page 2.	UNV= 120v-277v HMV= 277v-480v ⁹	FD= Full Dimming	850= 80CRI; 5000K 840= 80CRI; 4000K	06W= 6' Whip	WH= White BL= Black*	(blank)= No Fixture Options TS= Additional 20kV/10kA Surge Protection Assembly Kit [<i>*Special Order</i>]	(blank)= No Sensor Options HS45= Haisen: Microwave Occupancy Sensor, Photosensor, Low End Trim, 0-10V Dimming, IR Remote Programmable ^{4,6} WBxx= Wattstopper FDP-3x1: PIR Occupancy Sensor, Daylight Harvesting, High and Low End Trim, 0-10V Dimming, Bluetooth Mobile App Programmable ^{10, 11,14} SW40= Sharkward: PIR Occupancy Sensor, Photosensor, Low End Trim, 0-10V Dimming, IR Remote Programmable ^{4,6} [<i>*Special Order</i>] EN2= Enlighted Connected Lighting Sensor: Network Lighting Control Component, PIR Occupancy Sensor, Daylight Harvesting, High End Trim, Dimming Modes, Luminaire Level Lighting Control, Wireless Zones, Modified IEEE 802.15.4.1, BLE Radio, Temperature Sensor, Scene Control, Demand Response, Data Collection, BMS Integration, Cloud Access ^{8,10,12,14} EN3= Enlighted IoT: All Features of EN2 - Network Lighting Control PLUS access to Apps: Space Management, Asset Tracking, and Contact Tracing Apps ^{8,10,12,14}	(blank)= No Special Certification -SZC= NSF2 Splash Zone Certified Note: The only mounting option that meets NSF certification is the standard eyebolt that ships with the fixture. The only sensor option that meets NSF certification is the HS45 sensor and HHUF-RC-HS remote.	-SP= Single Pack

* Special order. Contact your Orion representative for lead times

Standard (Factory Installed)



Eyebolt



6' Whip

Options [Factory Installed]



Microwave Sensor^{4,6}
[HS45]



PIR Sensor^{10,11,14}
[WBxx]



Additional 20kV/10kA Surge
Protection Assembly Kit
[TS]



PIR Sensor^{4,6}
[SW40]



Enlighted Sensor^{10,12, 5}
[ENx]

Ambient Operating Temperatures^{4,12}

Nominal Lumen Code	Standard Range
All Lumen Packages	-40°C to 50°C [-40°F to 122°F]

Physical Information

Fixture

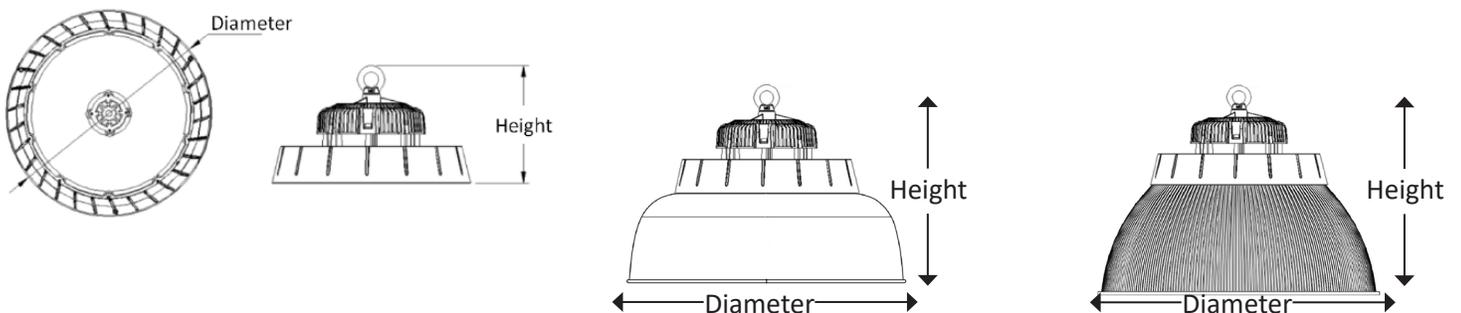
Nominal Lumen Code	Diameter	Height	Weight ³
A1/B1	11.4"	7.6"	8.8lbs.
C1/D1	13.8"	8.3"	12.0lbs.

Fixture with Reflector

Nominal Lumen Code	Diameter	Height
A1/B1	18.5"	13.6"
C1/D1	20.7"	14.3"

Fixture with Refractor

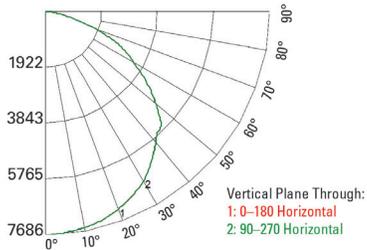
Nominal Lumen Code	Diameter	Height
A1/B1	16.2"	14.25"
C1/D1	16.0"	16.25"



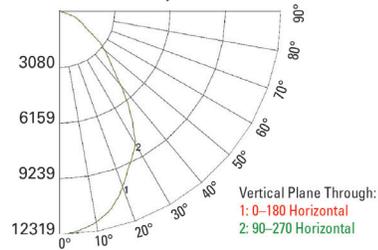
Photometrics

Visit orionlighting.com to obtain all .IES files

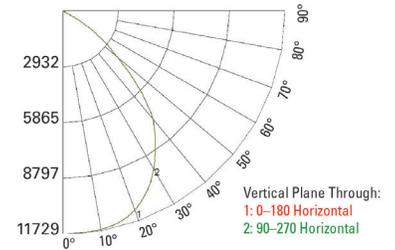
B1 850 Standard



B1 850 Polycarbonate Refractor



B1 850 Aluminum Reflector



Accessories [Sold Separately and Field Installed]

Mounting Options	
HHUF-PM	Pendent Mount Hook, 3/4" Conduit
HHUFAB-UB-WH⁵	A1/B1 U Bracket Mount Kit Surface or Pendent Mount 1/2" Conduit, White
HHUFAB-UB-BL⁵	A1/B1 U Bracket Mount Kit, Black
HHUFCD-UB-WH⁵	C1/D1 U Bracket Mount Kit Surface or Pendent Mount 1/2" Conduit, White
HHUFCD-UB-BL⁵	C1/D1 U Bracket Mount Kit, Black
HHUF-TM-WH⁸	Tandem Mount Bracket for conduit, rigid, or suspended mounting (requires 2 fixtures to be purchased), White
HHUF-TM-BL⁸	Tandem Mount Bracket for conduit, rigid, or suspended mounting (requires 2 fixtures to be purchased), Black

Additional Fixture Options	
HHUFAB-PC¹³	A1/B1 Polycarbonate Refractor
HHUFAB-AL¹³	A1/B1 Aluminum Reflector
HHUFCD-PC¹³	C1/D1 Polycarbonate Refractor
HHUFCD-AL¹³	C1/ D1 Aluminum Reflector
HHUFAB-BB^{4,7,9}	A1/B1 Remote Battery Back Up Kit, 25w, UNV only
HHUFCD-BB^{4,7,9}	C1/D1 Remote Battery Back Up Kit, 40w, UNV only
HHUF-BBS^{4,7,9*}	A1/B1/C1/D1 Remote Battery Backup Kit, 30w, UNV only, for use with Sensors (<i>*Special Order</i>)
HHUF-RC-HS⁶	Remote Control for Sensor Commissioning (for HS45 Sensor only)
HHUF-RC-SW⁶	Remote Control for Sensor Commissioning (for SW40 Sensor only)

Accessories [Sold Separately and Field Installed]



Polycarbonate Refractor¹³
(HHUFxx-PC)



Aluminum Reflector¹³
(HHUFxx-AL)



Remote Battery Back Up Kit⁹
(HHUFxx-BB)



Tandem Mount Bracket⁸
(HHUF-TM-WH)



Pendent Mount Hook 3/4"
(HHUF-PM)



U Bracket Mount Kit Surface or
Pendent Mount 1/2" Conduit,
White⁵
(HHUFxx-UB-WH)



Remote⁶
(HHUF-RC-HS)



Remote⁶
(HHUF-RC-SW)

Additional Specification Information

¹ For actual lumens, see performance table

² Actual performance may vary by up to ±10% of values listed; facility factors and fixture options can affect performance values

³ Weight will vary based on option selection

⁴ Ambient operating temperature range for battery back up fixtures is 0°C to 50°C [32°F to 122°F]. Ambient operating temperature range for sensor fixtures is -20°C to 50°C [-4°F to 122°F]

⁵ U Bracket mount has a center hole for 1/2" conduit. The U Bracket mount can be adjusted to 50° angle from vertical

⁶ Requires use of one commissioning remote per project

⁷ Multiply battery back up wattage by the lumens per watt (LPW) of the fixture to calculate lumen output in emergency mode

⁸ Not compatible with HHUFAB-BB or HHUFCD-BB battery back up kits

⁹ Battery back up only available for 120-277v input voltage range

¹⁰ For more information about these options go to our [controls landing page](#)

¹¹ "xx" in part number is a place holder for lens height of sensor. Either "15" or "40" can be included at end of part number to replace the "xx" placeholder

¹² ENx is limited to -35°C [-31°F]

¹³ ENx option is not available with this fixture option

¹⁴ Sensor option is not IP65 or Wet Location Rated