



Project	
Notes	
Type	Date
Cat. No.	

**UFO™ Series**

**UFO LED High Bay**



**DESCRIPTION**

The UFO is an outstanding value for a wide variety of applications and mounting heights. Precision design optics, lumen outputs and color temperatures make the UFO an ideal one-for-one replacement of conventional high bay systems such as HID and fluorescent for industrial, commercial, manufacturing, gymnasium. The UFO Series is fully dimmable and is compatible with building controls, motion sensors and day light harvesting systems. The LED's enable long-life, high lumen maintenance, high CRI and are low maintenance and constructed without hazardous material.

**Specification Features**



**Construction**

Rigid, low-profile forged aluminum housing. Precision-engineered and manufactured optics to optimize light delivery to the working plane. Convenient mounting options and bracket for controls integration and multiple connection options. Housing features radiator slots for heat dissipation and low temperature LED operation.

**Qualifications**

All luminaires are built to UL 1598 and 2108 standards, and bear appropriate ETL labels. Damp location labeling is standard. Emergency equipped fixtures labeled UL924. Adheres to LM70, LM80, and TM21 industry standards. DesignLights Consortium® (DLC) DLC qualified product. Not all product variations listed are DLC qualified. Please visit the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which models are qualified.

**Electrical**

Equipped standard with a 0-10V continuous dimming driver that works with any standard 0-10V control/dimmer. Long-Life LED's 60,000 hours at L80 with projected life over 100,000 hours for reduced life cycle maintenance costs.

**Installation**

Luminaire can be ceiling hung or suspended mounted.

**Warranty**

5-year limited warranty. See complete warranty for terms and exclusions.

**Options**

Optional On/Off or Bi-Level Motion sensor, whips and reflectors

**UFO Series**

- 13.78" Housing**  
100W (14,600 Lumens)  
150W (21,100 Lumens)
- 16.5" Housing**  
200W (26,000 Lumens)  
240W (31,200 Lumens)

- Rated Life** 60,000 hours
- Limited Warranty** 5 years
- Efficacy** up to 130 LPW
- Continuous Dimming**



**Quick Ship/ DLC Listed**

- UFO-100-MVD-850
- UFO-150-MVD-850

**Ordering Information**

Example: UFO-150-MVD-850

UFO	150	MVD	8	50	MOSB-FM
<b>Series</b> UFO UFO LED High Bay	<b>Rated Wattage</b> <b>13.78" Housing</b> 100- 100W (14,600 Lumens) <sup>2</sup> 150- 150W (21,100 Lumens) <sup>2</sup> <b>16.5" Housing</b> 200- 200W (26,000 Lumens) <sup>1</sup> 240- 240W (31,200 Lumens) <sup>1</sup>	<b>Driver Type</b> MVD- 120-277V; 0-10V Dimming <sup>2</sup> HVD-347-480V,0-10V Dimming <sup>1</sup>	<b>CRI</b> 8 80 CRI <sup>2</sup>	<b>Color Temp</b> 40 4000K <sup>1</sup> 50 5000K <sup>2</sup>	<b>Sensor</b> MOSB-FM-Fixture Mounted Bi-Level Microwave Sensor
			<b>Emergency Backup</b> N/A	<b>Accessories</b> SMK-UFO-100/150- Surface Mount Kit for UFO High Bay PMK-UFO- Pendant Mount Kit for UFO High Bay	

Specifications and Dimensions subject to change without notice

## Performance Summary

Input Voltage	120-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficac	> 130 lm/W
CRI	80+, R9 > 0
Available CCT <sup>1</sup>	4000K, 5000K
Color Consistency <sup>2</sup>	5-step MacAdam Ellipse
Rated Life	60,000 hours
L70 <sup>3</sup>	> 72,000 hours or > 45,000
Power Factor	>0.90
THD	< 2.3%
Dimming	0-10V Continuous (10-100%)
Operating Temp.	-18°C to 40°C

## Performance Data

Lens Type	Form Factor	Catalog No.	Rated Wattage (W)	Delivered Lumens	Efficacy (lm/W)
Frosted Acrylic	13.78"	<a href="#">UFO-100-MVD-850</a>	100W	14,600	146
		<a href="#">UFO-150-MVD-850</a>	149W	21,100	142
	16.5"	<a href="#">UFO-200-MVD-850</a>	200W	26,000	130
		<a href="#">UFO-240-MVD-850</a>	240W	31,200	130

## NOTES:

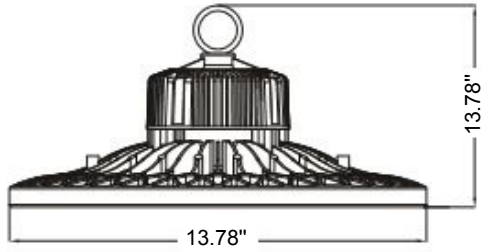
- <sup>1</sup> Made to order items. Minimum 90 day lead time. Minimum 500 order quantity.
- <sup>2</sup> DLC Listed
- <sup>3</sup> DLC Premium Listed
- <sup>4</sup> Quick ship: 4000K,5000K. Other CCTs may require a lead time or be special order
- <sup>5</sup> Typical color consistency. May vary or be changed.
- <sup>6</sup> L70 hours calculated based on LED package manufacturer LM80 report and ISTMT report of LED in luminaire. Stated values are for select catalog numbers. Contact GlobaLux for detailed information.
- <sup>7</sup> Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.



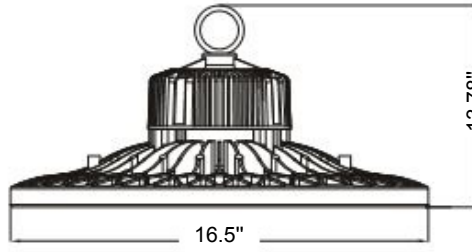
Specifications and Dimensions subject to change without notice

Product Dimensions

UFO-100/150 (13.78")



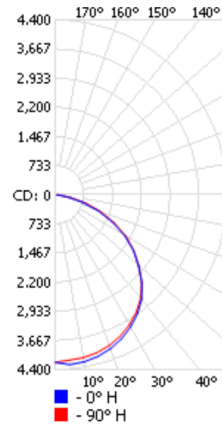
UFO-200/240 (16.5")



Photometric Data

UFO-100-MVD-850 Tested in accordance to IESNA LM-79

Polar Candela Curve



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	3,422.90	24.40%	25.90%
0-40	5,720.20	40.90%	43.30%
0-60	10,418.50	74.40%	78.80%
60-90	2,800.90	20%	21.20%
0-90	13,219.50	94.40%	100%

Coefficients of Utilization

RCC %:	80				70				50			
	RW %:	70	50	30	0	70	50	30	0	50	30	
RCR: 0	1.12	1.12	1.12	1.12	1.1	1.1	1.1	0.94	1.05	1.05		
1	1.03	0.98	0.94	0.9	1	0.96	0.92	0.8	0.92	0.89		
2	0.93	0.85	0.79	0.73	0.91	0.84	0.78	0.67	0.8	0.75		
3	0.85	0.75	0.67	0.61	0.82	0.73	0.66	0.57	0.7	0.64		
4	0.77	0.66	0.58	0.51	0.75	0.65	0.57	0.48	0.62	0.55		
5	0.71	0.59	0.5	0.44	0.69	0.58	0.5	0.42	0.56	0.49		
6	0.66	0.53	0.44	0.38	0.64	0.52	0.44	0.37	0.5	0.43		
7	0.61	0.48	0.39	0.33	0.59	0.47	0.39	0.32	0.45	0.38		
8	0.56	0.43	0.35	0.3	0.55	0.43	0.35	0.29	0.42	0.34		
9	0.53	0.4	0.32	0.27	0.51	0.39	0.32	0.26	0.38	0.31		
10	0.49	0.37	0.29	0.24	0.48	0.36	0.29	0.24	0.35	0.29		

Effective Floor Cavity Reflectance 20%

Accessory Options



- CH-3.5 36 in Chain Hanger Kit
- FW3 6' 3 Wire Fixture Whip with 1/2 Connector. in
- FW3-BL 6' 3 Wire Fixture Whip with 1/2 Connector (Black)
- FW3-M 6' 3 Wire Fixture Whip with 1/2 Connector (Metal)
- FW312 12' 3 Wire Fixture Whip with 1/2 Connector. in
- FW4 6' 4 Wire Flex/Whip
- CS6-183-183-BL
- CS6-183-L515P-BL
- CS6-183-L615P-BL
- CS6-183-L715P-BL



© 2019 GlobaLux Lighting, LLC. All rights reserved. For informational purposes only. Reproduction in whole or part is prohibited without prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequences of its use. GlobaLux Lighting reserves the rights make changes in specification at any time without notice.

**GlobaLux Lighting LLC**  
 www.globaluxlighting.com  
 2037 S. Vineyard Ave  
 Ontario, CA 91761  
 Ph: 909-591-7506