



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. The UFO series is fully dimmable and is compatible with building controls, motion sensors and daylight harvesting systems. The LED's enable life, high lumen maintenance, and high CRI are low maintenance and constructed without hazardous materials. Precision designed optics, lumen outputs, and color temperatures make UFO an ideal one-for-one replacement of conventional high bay system such as HID and fluorescent for industrial, commercial, manufacturing, and gymnasium.

Specification Features



Construction

Rigid, low-profile steel 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.

Certification

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 models of this product may be DLC qualified. Please check the DLC Qualified Products List at 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 ~ 140 lm/W
Continuous Dimming



Quick Ship

UFO-150-MVD-850

Ordering Information

Example: UFO-150-MVD-850

UFO	150	MVD	8	50	MOSB-FM
Series UFO LED Premium High Bay	Rated Wattage 13.78" Housing 100- 100W (14,600 Lumens) ^{1 2} 150- 150W (21,100 Lumens) ² 16.5" Housing 200- 200W (26,000 Lumens) ^{1 2} 240- 240W (31,200 Lumens) ^{1 2}	Driver Type MVD- 120-277V; 0-10V Dimming ² HVD-347-480V,0-10V Dimming	CRI 8 80 CRI	Color Temp 40 4000K 50 5000K	Sensor MOSB-FM-Fixture Mounted Bi-Level Microwave Sensor
		Emergency Backup N/A	Accessories SMK-UFO-100/150- Surface 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 ¹	4000K, 5000K
Color Consistency ²	5-step MacAdam Ellipse
Rated Life	60,000 hours
L70 ³	> 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"	UFO-100-MVD-850	100W	14,600	146
		UFO-150-MVD-850	149W	21,100	142
	16.5"	UFO-200-MVD-850	200W	26,000	130
		UFO-240-MVD-850	240W	31,200	130

NOTES:

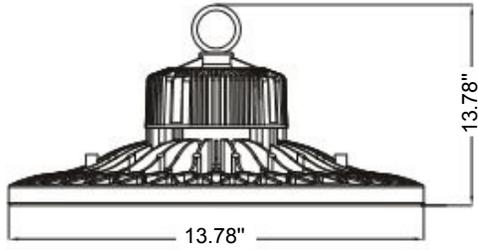
- ¹ Made to order items. Minimum 90 day lead time. Minimum 500 order quantity.
- ² DLC Listed
- ³ DLC Premium Listed
- ⁴ Quick ship: 4000K,5000K. Other CCTs may require a lead time or be special order
- ⁵ Typical color consistency. May vary or be changed.
- ⁶ L70 hours calculated based on LED package manufacturer LM80 report and ISTMT report of LED in luminaire. Stated values are for select catalog numbers. Contact Globalux for detailed information.
- ⁷ 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.



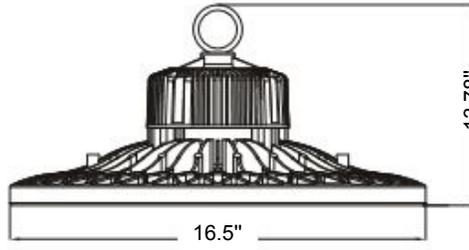
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Product Dimensions

UFO-100/150 (13.78")



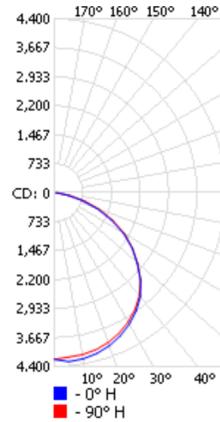
UFO-200/240 (16.5")



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



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