



MOLTEC IS LIGHTING THE WAY

Moltec International has a bright new solution for illuminating wind turbine towers. The revolutionary round lighting system design provides improved and more effective lighting than traditional wind tower lighting systems. This is achieved while also offering increased efficiency, smarter orientation, easier installation and less maintenance, all adding up to lower overall costs.

The Moltec UFO Lighting System utilizes high-powered, highly efficient LED technology that delivers optimal directional lighting with a very low glare factor rating. Several wattage output and round light distribution pattern options are available to ensure that the desired illumination and lux value distribution are achieved throughout the tower. The rugged corrosion resistant aluminum housing is easily installed in a down facing orientation underneath each platform to effectively project lumens downward to a great distance with ease.

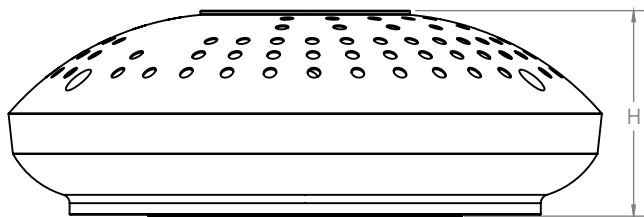
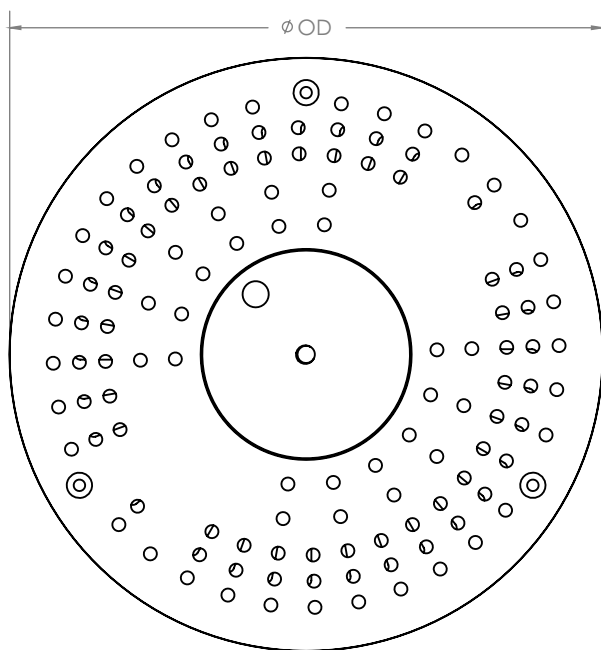
Moltec UFO Lighting Systems delivers the brightest and most cost-effective way to ensure a safe working environment within the tower while using much fewer fixtures than traditional tower lighting layout designs.


- Reduced acquisition cost
- Fast and easy installation
- Less fixtures required to meet desired lux requirements
- Extended service life of over 100k hours
- Reduced O&M costs over entire operational life

Moltec provides engineering services to evaluate customer tower lighting specifications and can recommend the best UFO Lighting System to meet any project needs.



Input Power Rating	100 VAC to 277 VAC, 50Hz-60Hz
Input Voltage Range	90 VAC to 305 VAC, 50Hz-60Hz
Max. Power Input Range	50 W to 180 W
Current Input Range	0.30 A (50W) and 2.1 A (180W)
Operational Temperature	-40°C (-40°F) to 90°C (194°F)
Nominal Lumen Output	Various (as per chart below)
Lamp Type	Luxeon/Cree LED modules
Colour Temperature	4000 K
Estimated Operation Life	100000 Hrs
Protection Grade	IP67, IK09



Part Number 	Description	Nominal Lumen Output (lm)	OD		H		Lamp Type	Weight	
			(mm)	(in)	(mm)	(in)		(lbs.)	(kg)
UFO-50	50W LED Moltec UFO Light	6500	330.0	13.00	117.5	4.63	Luxeon/Cree LED Module	12.65	5.75
UFO-80	80W LED Moltec UFO Light	10400	330.0	13.00	117.5	4.63		12.87	5.85
UFO-100	100W LED Moltec UFO Light	13000	330.0	13.00	117.5	4.63		13.09	5.95
UFO-120	120W LED Moltec UFO Light	15600	330.0	13.00	117.5	4.63		13.31	6.05
UFO-150	150W LED Moltec UFO Light	19500	330.0	13.00	117.5	4.63		13.53	6.15
UFO-180	180W LED Moltec UFO Light	23400	330.0	13.00	117.5	4.63		13.75	6.25