

MERIKH 1



Electrical Characteristics	
Parameter	160 W
Nominal Input Voltage & Frequency (V-AC/Hz)	230/50
Input Voltage Range (V-AC/Hz)	180 - 265/50 - 60
Nominal Power (W)	160
Nominal Input Current (A@230V)	0.73
Power Factor	0.95
LED Module Operating Voltage (V-DC)	60
Total Harmonic Distortion	%15 ≥
LED Module Type	Integrated
Class of Protection Against Electric Shock	I
Control equipment type	Independent

Mechanical Characteristics	
Parameter	160 W
Ingress Protection (IP)	IP65
Body Material	Aluminum
* Diffuser Material	PC
Coating of body	Electrostatic Powder painting
Luminaire weight with mounting bracket and reflector (Kg)	4.8
Luminaire weight with mounting bracket without reflector (Kg)	4.6
Weight of pendant luminaire and reflector (Kg)	3.9
Weight of pendant luminaire without reflector (Kg)	3.7

Optical Characteristics		
Parameter	160 W	
Light Source	SMD LED	
Number of LEDs in the Module (pcs)	198	
Nominal Power of Single LED (W)	1.5	
Luminous Flux (Lm)	16800	20800
System Luminous Efficiency (Lm/W)	(Glare free) 105	(reduced glare) 130
Color Temperature (°K)	3000, 4000, 5000, 6500	
Color Rendering Index	75	
SDCM (Initial & Working Value)	5SDCM	
Photometric Code	750/559	
Lumen Maintenance Angle	9	
Light Distribution Angle (Degrees)	100	

* Glare free 100° = Polycarbonate

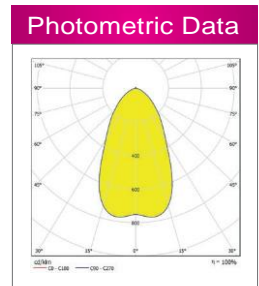
* Reduced glare 100° = Polystyrene

The luminaire with the diffuser is glare-free

Ability to install in pendant and surfing mount

Product Code	Nominal Product Power
363160	160W

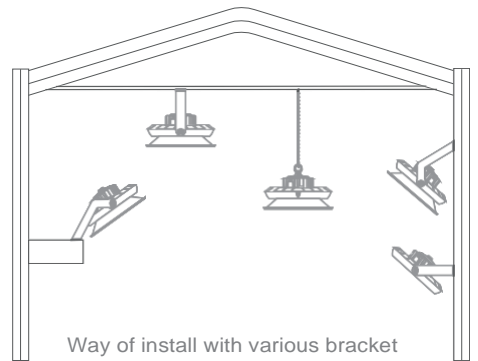
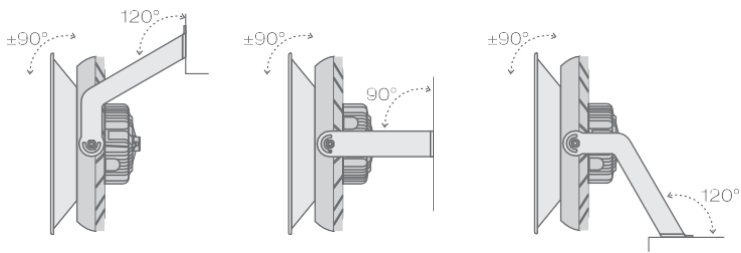
General Characteristics	
Parameter	Performance
Rated Ambient Temperature (tq) Related to Luminaire Performance (°C)	25
Working Temperature Range (°C)	-20 ~ +50
Maximum Allowed Humidity (%)	90
Rated Median Useful Life	50000
Rated Abrupt Failure Value (%)	15



Bubble- reflector



Bubble- reflector- Diffuser



Way of install with various bracket

