

MAHSHID



Product Code	Nominal Product Power
394040	40W
394060	60W

Mechanical Characteristics		
Parameter	40W	60W
Ingress Protection (IP)	IP42	
Body Material	Iron	
Diffuser Material	PS	
Coating of body	Electrostatic Powder painting	
Dimension (mm)	L595- W595- H40	
Weight (Kg)	3.2	

General Characteristics	
Parameter	Performance
Rated Ambient Temperature (tq) Related to Luminaire Performance (°C)	25
Working Temperature Range (°C)	-20 ~ +45
Maximum Allowed Humidity (%)	95
Rated Median Useful Life	50000
Rated Abrupt Failure Value (%)	15



Electrical Characteristics		
Parameter	40W	60W
Nominal Input Voltage & Frequency (V-AC/Hz)	230/50	
Input Voltage Range (V-AC/Hz)	180 - 265/50 - 60	
Nominal Power (W)	40	60
Nominal Input Current (A@V)	0.180@230	0.270@230
Power Factor	0.95	
nominal power of single led (W)	1.2	
LED Module Operating Voltage (V-DC)	36	
Total Harmonic Distortion	%15 ≥	
LED Module Type	Integrated	
Class of Protection Against Electric Shock	II	
Control equipment type	Independent	

Optical Characteristics		
Parameter	40W	60W
Light Source	SMD LED	
Number of LEDs in the Module (pcs)	60	80
Luminous Flux (Lm)	4400	6600
System Luminous Efficiency (Lm/W)	110	
Color Temperature (°K)	4500, 6500	
Color Rendering Index	85	
SDCM (Initial & Working Value)	5SDCM	
Photometric Code	840/559, 860/559	
Lumen Maintenance Angle	9	

