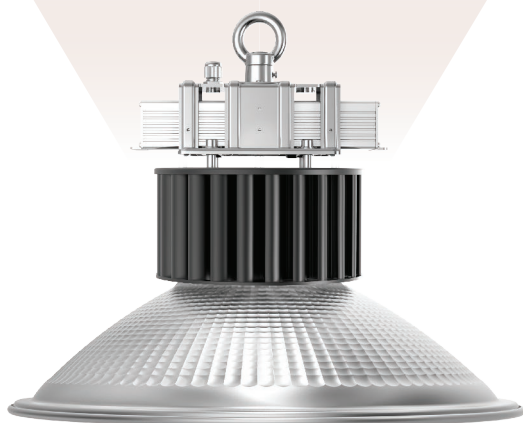


Highbay- Type B Gen2

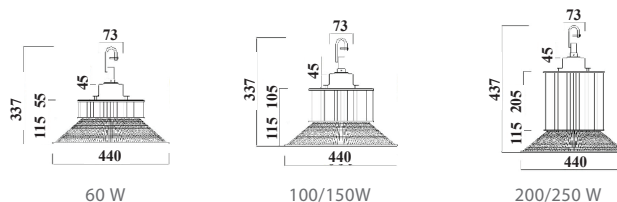
SAMSUNG LED Inside



POWER

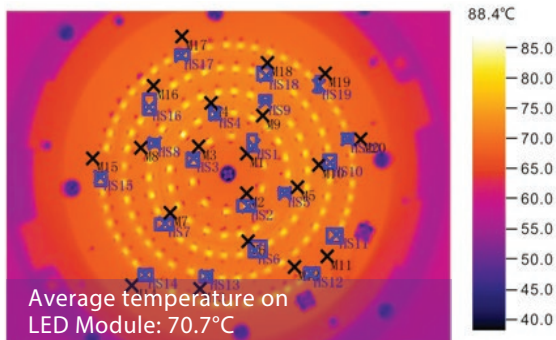
• 60W • 100W • 150W • 200W • 250W

PRODUCT DIMENSION

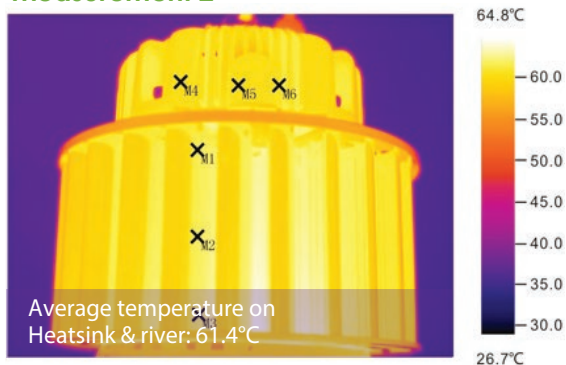


PERFORMANCE TEST

Measurement 1



Measurement 2

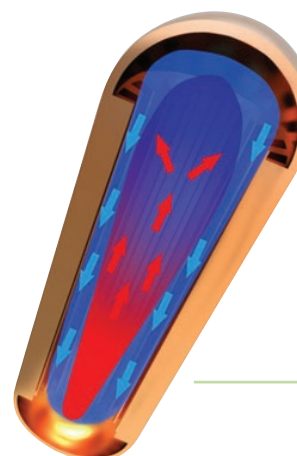


* Ambient temperature : 32°C
Testing duration : 24 hours

MASSIVE FINS COOLING WITH RIVETED HEATPIPE TECHNOLOGY



Perfect contact between
LED module & copper heatpipe



Two Phase Copper Heatpipe

- Diameter 6mm
- Pure copper with liquid medium
- Thermal conductivity : 25times vs Aluminium
14 times vs Copper

Highbay- Type B Gen2

SAMSUNG LED Inside

Power	60W	100W	150W	200W	250W
Optical Specification					
• Color Temperature (CCT)	6500 K				5000 K
• Color	Cool White				Neutral White
• Color Rendering Index (CRI)	> 80				
• Color Code	865				
• Beam Angle	60° / 110°				
• Luminous Flux	8,400 lm	14,000 lm	21,000 lm	28,000 lm	32,500 lm
• Luminous Efficacy	130 lm/W	140 lm/W	140 lm/W	140 lm/W	130 lm/W
Electrical Specification					
• Power Consumption	60 W	100 W	150 W	200 W	250 W
• Input Voltage Range	90 - 305 Vac	90 - 305 Vac	90 - 305 Vac	90 - 305 Vac	90 - 305 Vac
• Input Voltage (Nominal)	100 - 277 Vac	100 - 277 Vac	100 - 277 Vac	100 - 277 Vac	100 - 277 Vac
• Input Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
• Power Factor	> 0.95	> 0.95	> 0.95	> 0.95	> 0.95
• Total Harmonic Distortion (THD)	< 15 %	< 15 %	< 15 %	< 15 %	< 15 %
• Maximum AC Input Current	≤ 2.0 A	≤ 2.0 A	≤ 2.0 A	≤ 2.0 A	≤ 2.0 A
• Inrush Current (Cold Start)	≤ 75 A	≤ 75 A	≤ 75 A	≤ 75 A	≤ 75 A
• Leakage Current	< 0.75 mA	< 0.75 mA	< 0.75 mA	< 0.75 mA	< 0.75 mA
• Surge Transient Protection	10 kV	10 kV	10 kV	10 kV	10 kV
• Insulation Classification	Class I				
• Protection	Short Circuit Protection	Over-Current Protection	Over-Voltage Protection	Over-Heat Protection	
• LED Chip	Samsung Mid Power LED (LM302B)				Samsung High Power LED (LH351B)
• No. of LEDs	48 pcs	84 pcs	132 pcs	180 pcs	108 pcs
• Driving Current	0.15 A	0.15 A	0.15 A	0.15 A	0.68 A
• Max. Driving Current of LED	0.2 A	0.2 A	0.2 A	0.2 A	1.5 A
Mechanical Specification					
• Heatsink Material	Cast Aluminium Fin-type Extruded Aluminium	Fin-type Extruded Aluminium Cast Aluminium Two Phase Cooper Heatpipe			
• Reflector Material	High Reflectivity Stamped Aluminium				
• PCB Material	Sumitomo Metal Core PCB				
• Operating Temperature	0°C ~ 50°C	0°C ~ 50°C	-20°C ~ 50°C	0° ~ 50°C	0° ~ 50°C
• Operating Humidity	20 - 95 % RH	20 - 95 % RH	20 - 95 % RH	20 - 95 % RH	20 - 95 % RH
• Nett Weight	3.3kg	4.1kg	4.3kg	5.4kg	5.8kg
Dimming Features					
• Dimming	0 - 10V / PWM				
• Intelligent Control	Preset Timing Control				
Product Reliability					
• Mean Time Between Failure	> 200,000 hrs (Ambient = 25C, Input = 230Vac, Output = 80%)				
• Life Span of Product	> 50,000 hrs				
• Average Lumen Maintenance after 6,000 hrs	96.8 % Initial Lumen				
• 70% Lumen Maintenance (L70)	> 50,000 hrs				

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COLOUR OF LIGHT
[5000K]
[6500K]