



High Brightness
Dome Light

FHDM-Si200



Operating Temperature after 30 minutes**	Drawing
<p>Degree Celsius</p> <p>Minute</p> <p>— White — Red — Green — Blue</p>	<p>4 X M4 Through Tap Hole PCD Ø218 Equal Spacing</p> <p>45°</p> <p>112.6</p> <p>13</p> <p>230</p> <p>1.60</p> <p>45</p> <p>300</p>

Mechanical Data (TYP)	
Casing Material	Aluminum
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	Approx. 640g

Optical Data (TYP)	R24	W
Illumination (number of LED)	-	56
Led Color	-	WHITE
Wavelength	-	xy=(0.31,0.32)
Led Package	-	High Power SMD

Electrical Data (TYP)	R24	W
Current Consumption	-	Max. 1.2A
Power Consumption	-	28.8W
Operating after 30 minutes**	-	Approx. 60°C
Additional Cooling Method	Attached to large machine part	
Life span in continuous mode	-	
Life span in strobe light mode	Est. >50,000 hours (drop to 50% intensity) at 25°C	
Connection	JST SMR-03V, 1:+,3:-	JST SMR-03V, 1:+,3:-


** Note: Burn in continuous mode with a constant current intensity control at 2.0A.

Precaution

- HDM-Si200-W only works with a constant current intensity control.
- Pulse current at duration not more than 1 sec. Excessive long period at continuous mode at max current will heat up the light casing and over heating on the led will result permanent damage to the led.
- Operating duty cycle at max. current is recommended at 10%.
- Maximum Pulse current is recommended at 5.0A (for strobe mode).

Cautions

Read this before connect to power supply or your Intensity controller.

<u>Caution</u>	Precautions
	<ul style="list-style-type: none">• HDM-Si200-W only works with a constant current intensity control (if without the resistor module).• In continuous mode, maximum current should drive at or below 2.0A.• In case of using PWM controller in continuous mode, a resistor must be add to avoid direct driving to the led that will result over current and cause burning of leds.• In strobe mode, pulse current should not exceed 5.0A.