



Ring Light

FLDR-Si20B-IP54



Operating Temperature after 30 minutes	Drawing																																		
<table border="1"> <caption>Operating Temperature after 30 minutes (White LED)</caption> <thead> <tr> <th>Minute</th> <th>Temperature (Degree Celsius)</th> </tr> </thead> <tbody> <tr><td>1</td><td>25</td></tr> <tr><td>3</td><td>28</td></tr> <tr><td>5</td><td>31</td></tr> <tr><td>7</td><td>33</td></tr> <tr><td>9</td><td>35</td></tr> <tr><td>11</td><td>37</td></tr> <tr><td>13</td><td>38</td></tr> <tr><td>15</td><td>39</td></tr> <tr><td>17</td><td>40</td></tr> <tr><td>19</td><td>40</td></tr> <tr><td>21</td><td>40</td></tr> <tr><td>23</td><td>40</td></tr> <tr><td>25</td><td>40</td></tr> <tr><td>27</td><td>40</td></tr> <tr><td>29</td><td>40</td></tr> <tr><td>31</td><td>40</td></tr> </tbody> </table>	Minute	Temperature (Degree Celsius)	1	25	3	28	5	31	7	33	9	35	11	37	13	38	15	39	17	40	19	40	21	40	23	40	25	40	27	40	29	40	31	40	
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Mechanical Data (TYP)	
Casing Material	Aluminum
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	Approx. 15g
IP Rating	IP 54

Optical Data (TYP)	WHITE	GREEN	BLUE
Led Color	WHITE	GREEN	BLUE
Wavelength	xy=(0.31,0.32)	525nm	470nm
Illumination (number of LED)	12		
Led Package	SMD		
Eye Safety (EN 62471:2008)	Exempt Group		

Electrical Data (TYP)	
Operating Voltage	24V ± 2%
Reverse Battery Protection	YES
Supply Ripple Voltage	≤ Vs ± 5%
Current Consumption	0.04A
Power Consumption	0.96W
Continuous On (voltage)	+24VDC
Max. Trigger Pulse Duration, msec	10 msec
Trigger Pulse, (voltage)	Pulsing at 24VDC - 48VDC, 0-10% Duty Cycle
Operating after 30 minutes	Approx. 41°C
Additional Cooling Method	Attached to machine part
Life span in continuous mode	20,000 hours (drop to 50% intensity) at 25°C
Life span in strobe light mode	Est. >50,000 hours (drop to 50% intensity) at 25°C
Connection	JST SMR-03V, 1:+,3:-
Power Supply Selection	PSA-24V ,PSD-24V, PSD-STL-48V LIC-4256-U/ LIC-4256-SU

Application (TYP)	
Recommended Working Distance	10-30mm