



Ring Light

LDR-Si120-RGB



Operating Temperature after 30 minutes	Drawing																																		
<table border="1"> <caption>Operating Temperature Data (Approximate)</caption> <thead> <tr> <th>Minute</th> <th>Temperature (Degree Celsius)</th> </tr> </thead> <tbody> <tr><td>1</td><td>28</td></tr> <tr><td>3</td><td>30</td></tr> <tr><td>5</td><td>32</td></tr> <tr><td>7</td><td>34</td></tr> <tr><td>9</td><td>36</td></tr> <tr><td>11</td><td>38</td></tr> <tr><td>13</td><td>40</td></tr> <tr><td>15</td><td>42</td></tr> <tr><td>17</td><td>44</td></tr> <tr><td>19</td><td>45</td></tr> <tr><td>21</td><td>46</td></tr> <tr><td>23</td><td>47</td></tr> <tr><td>25</td><td>48</td></tr> <tr><td>27</td><td>49</td></tr> <tr><td>29</td><td>50</td></tr> <tr><td>31</td><td>52</td></tr> </tbody> </table>	Minute	Temperature (Degree Celsius)	1	28	3	30	5	32	7	34	9	36	11	38	13	40	15	42	17	44	19	45	21	46	23	47	25	48	27	49	29	50	31	52	
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Mechanical Data (TYP)	
Casing Material	Aluminum
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	Approx. 400g

Optical Data (TYP)	R+G+B
Illumination (number of LED)	100+98+98=296
Led Color	RED/GREEN/BLUE
Wavelength	635nm/525nm/470nm
Led Package	PLCC4+SMD

Electrical Data (TYP)	R+G+B
Operating Voltage	24V ± 2%
Reverse Battery Protection	YES
Supply Ripple Voltage	≤ Vs ± 5%
Current Consumption	0.40A+0.28A+0.28A=0.96A
Power Consumption	9.60W+6.72W+6.72W=23.04W
Trigger Voltage	Continuous= 24V Pulsing 48V 0-10% Duty Cycle
Operating after 30 minutes	Approx. 55°C
Additional Cooling Method	Attached to large 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:-) x 3
Power Supply Selection	PSA-24V PSD-24V PSD-STL-48V

Application (TYP)	
Recommended Working Distance	50-100mm