

## Product Features

- High efficiency 150lm/W
- Color rendering index CRI>70
- Color range  
White(2700...6500K),RED,GREEN,BLUE,AMBER
- Beam Angle :120°
- Self-cooling (no additional heat sink required)
- Type of protection :IP00
- Life time(L70B50) >50.000 h, at Tc=75°C
- MOQ:1/pcs

## Application Areas

- Spot Lighting
- Downlight Application
- Decorative Lighting

**General Specifications**

Operation Voltage	45V/90V
Module Driver Type	Constant Current
LED Package	3535

**Technical Specifications**

Length(mm)	160R
Width(mm)	
PCB Thicknes(mm)	1,6
PCB Material	Aluminum

**Electrical Specifications**

Series	18/6
Parallel	1/3
Total LED Quantity	18

**Connections Data**

Wire size	0,35-0,75mm <sup>2</sup>
Terminal Strip Length	3-4mm
Connection type	Cable soldering

**Operating conditions and characteristics**

Operating Temperature range	-20 ~ 80°C
Storage Temperature	-20 ~ 80°C

**Driving Current & Luminous Flux @(T<sub>j</sub>=25°C)**

Operating Module Current	Operating Current per LED	Operating Voltage (Typ)	Module Power	2700K			3000K			4000K			5000K			6500K		
				min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.
700mA / 350mA	350mA	89,2V / 44,6V	31,2W	2340	2399	2457	2340	2399	2457	2502	2565	2627	2808	2878	2948	2808	2878	2948
1000mA / 500mA	500mA	89,2V / 44,6V	44,6W	3202	3282	3362	3202	3282	3362	3425	3511	3597	3843	3939	4035	3843	3939	4035
1400mA / 700mA	700mA	89,2V / 44,6V	62,5W	4180	4284	4389	4180	4284	4389	4545	4659	4772	5101	5229	5356	5101	5229	5356
2100mA / 1050mA	1050mA	89,2V / 44,6V	93,6W	5861	6007	6154	5861	6007	6154	6268	6424	6581	7034	7210	7386	7034	7210	7386

- Tolerance range for optical and electrical data:  $\pm 10\%$ .
- Performe can be chone by used heatsink or fixture
- The situation that exceed the specified values, it may
- Due to the special conditions of manufacturing processes of LED, the typical data of technical parameters can only reflect statistical figures and could differ from

The situation that exceed the specified values, it may cause overload and decrease the lifetime of product. Even, it may render unoperational the LED module.

The values contained in this data sheet can change due to technical innovations. Any such changes will be made without separate notification.