

# DARKLIGHT DESIGN

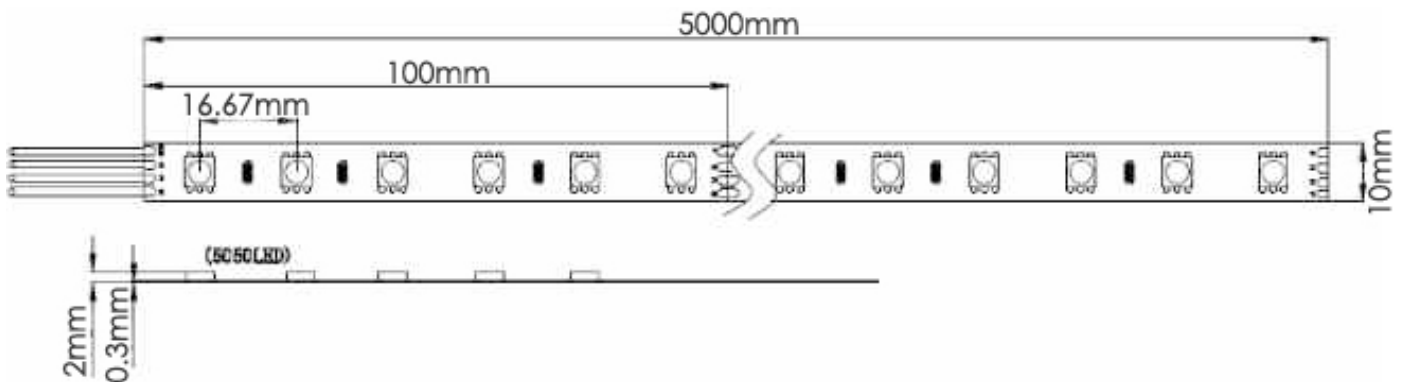
## DARKLIGHT DESIGN

LIGHTFLOW 24V 14.4W/m RGB IP66

LINEAR LED TAPE



### DIAGRAM

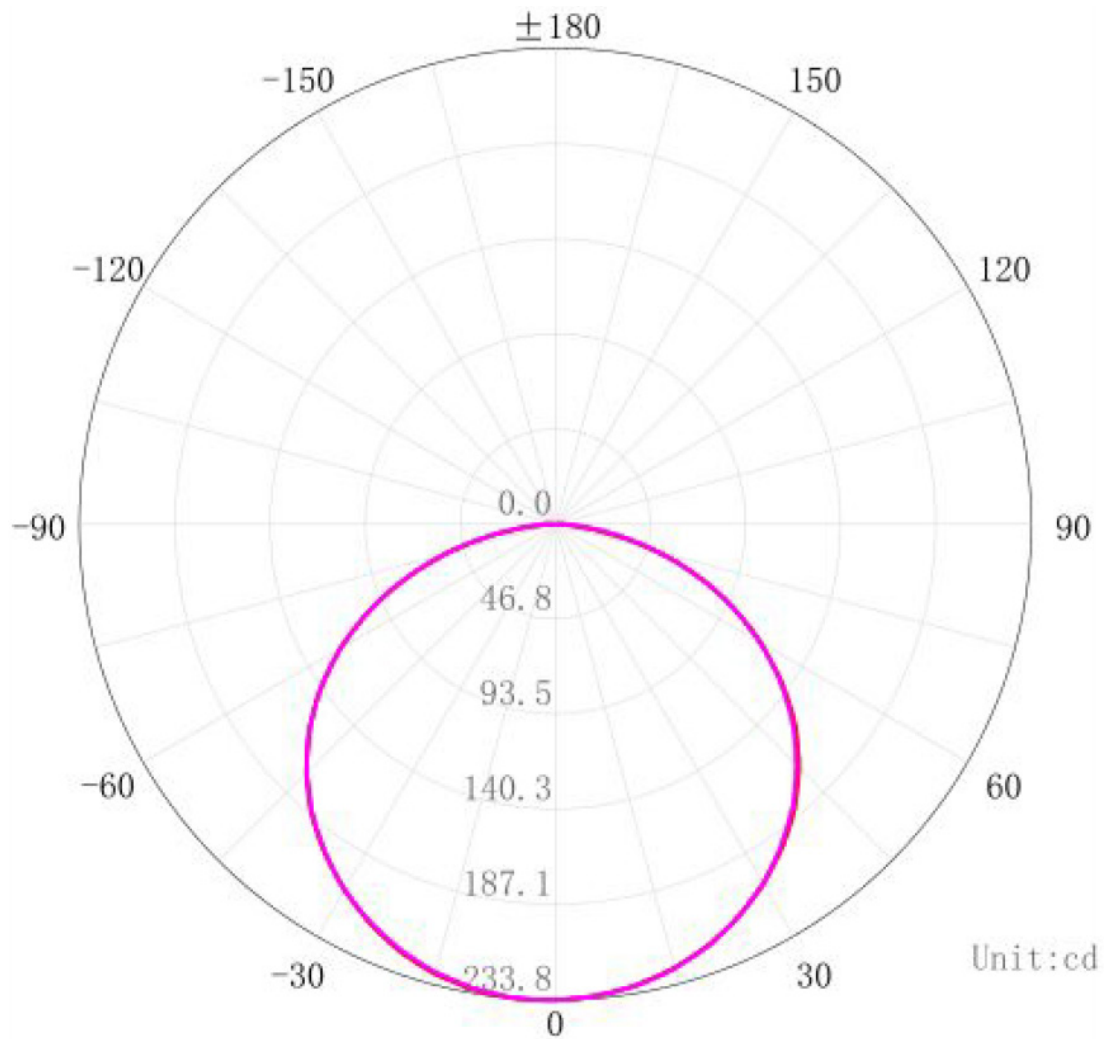


### PRODUCT OVERVIEW

- Light source: 5050 SMD SANAN (Philips) LED
- LED quantity: 60LED/m
- PCB width: 10mm
- Voltage: 24V
- Rated current: 600 mA/m
- Rated power: 14.4 W/m
- Radiance Angle: 120°
- 3M self-adhesive tape on the back
- Trimmable every 6 LEDs along the cut-mark
- Dimmable with PWM compatible dimmer
- IP66 rated - suitable for exterior use
- Silicone tube covering

All the information in this document is provided in good faith. Darklight Design will not be held responsible for any losses due to inaccuracies within this document.

## C PLANE DISTRIBUTION DIAGRAM



C Plane		[50%MaxAng.]	[10%MaxAng.]
—	C0.0_180.0 :	120.9	162.0
—	C90.0_270.0 :	120.7	163.6

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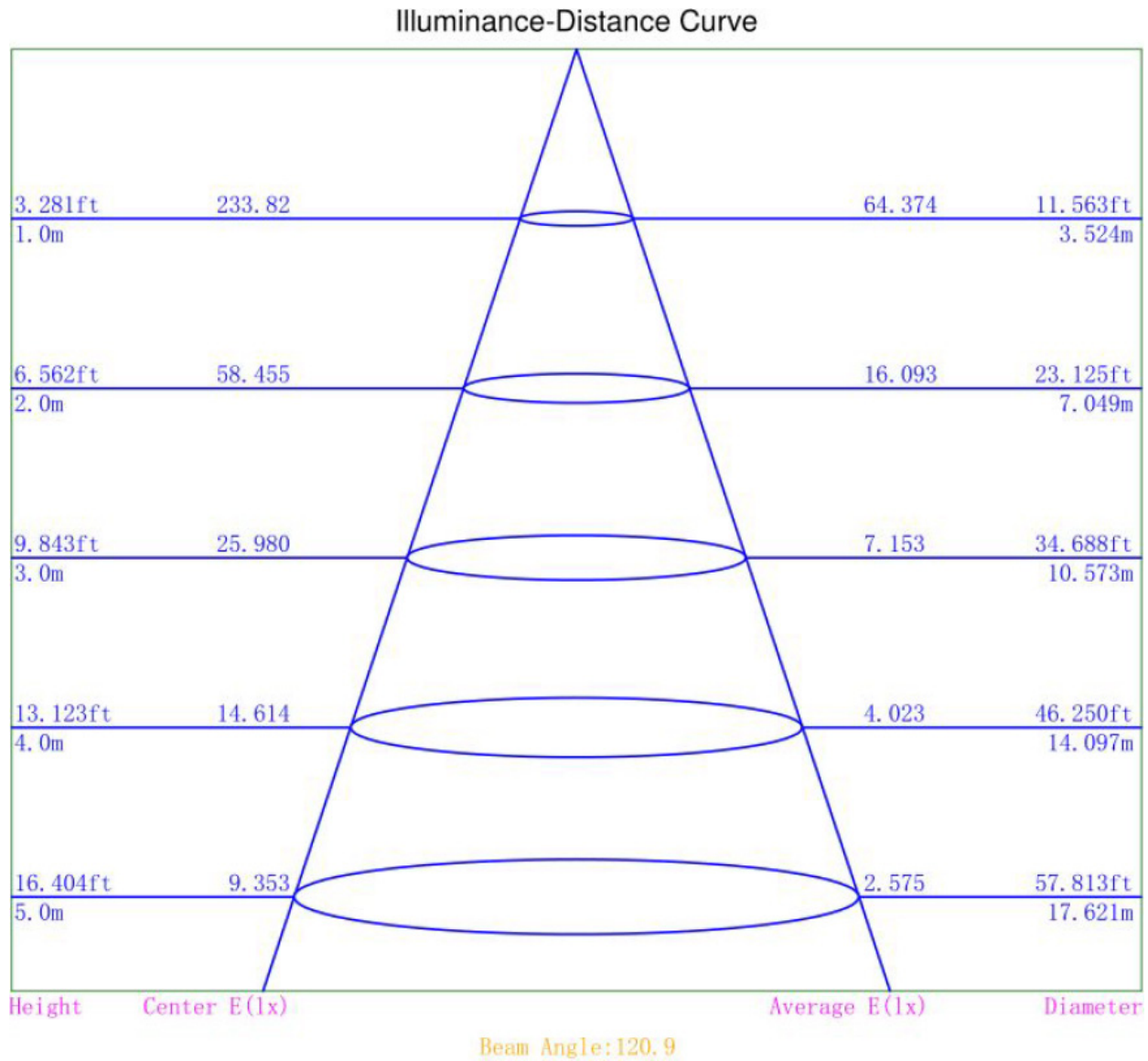
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### LUX TEST DIAGRAM



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### RGB EXAMPLE IMAGES



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### PLEASE NOTE

- Installation of LED modules (with power supplies) needs to be made in accordance with all applicable health and safety standards. Only qualified personnel should be allowed to perform installations
- Assembly must not damage or destroy conducting paths on the circuit board.
- Observe correct polarity
- Please ensure that the power supply is of adequate power to operate the total load
- When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical isolation at soldering points between module and the mounting surface
- The maximum run length from any power feed should be limited to 5000mm
- Soldering of wires with the module mounted on a heatsink: Pre-tin solderpads and wires and solder for max 3 s at 350 °C. Allow solderpoints to completely cool down before the next soldering. Prevent shear- or peel forces
- The mounting of the module is facilitated by means of the double-sided adhesive on the back-surface of the module. Care must be taken to provide a clean and dry mounting surface, free of oils or silicone coatings as well as dirt particles. The mounting substrate must have sufficient structural integrity. Take care to completely remove the protective film. Once the module is appropriately positioned, press on the module with about 20N/cm<sup>2</sup> (refer to application techniques of 3M adhesive transfer tapes)
- The minimum bending radius is 20mm
- When installing in environments with large variations in temperature and operating length of more than 2m, the use of metallic mounting surfaces is necessary. Otherwise it is advisable to use an additional thicker adhesive tape to absorb the stress of any mismatch in expansion coefficients

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