

Everlite HK

SK6812 RGBW/RGBWW

LED Pixel Tape



An exciting combination of innovative
WorldSemi electronics and
dependable Epistar LED chips

Introduction

The DT-HD-6812 range of digital LED Tapes have a built-in WorldSemi IC processor to control the colour and intensity of each LED. Class-leading Epistar LEDs ensure high definition colour and brightness. The tapes can be cut at every LED for maximum flexibility.

The addition of a separately addressable white LED chip adds real world applicability to what has traditionally been an entertainment-venue product. Householders and restaurateurs can now have true, high quality, high CRI warm white for general illumination with pixel effects when the party starts.



Key Features

Light source: Epistar SMD5050 RGBW

Beam angle: 140 deg

Operating voltage DC5V

Consumption watts 13.8W/m

Pixel pitch 16.67mm (60 LEDs version)

LED density 30/60/144 pcs/m

Printed circuit board thickness 0.3mm

Operating Temperature: -20°C-30°C

Storage Temperature: -10°C-50°C

Colour Temperature Options: 3000K,4500K,6500K

IP Rated versions available



LED Drive Requirements

The DT-HD-6812 range of digital LED Tapes require a connection to a pixel LED driver capable of supporting the SK6812 protocol, which is a 3 wire 800KHz NRZ system.

Drivers are available from low-cost Chinese products that have a limited range of built-in effects to full multiple-DMX universe custom programmable units with software support from applications such as Madrix.

Hobbyists can, if they choose, use Arduino or Raspberry PI to drive these strips. There is a lot of pre-written code and support on the forums.

Part Numbers

The DT-HD-6812 range is specified as follows:

Product Range	LEDs/m	IP Rating	Colour Temp (K)
DT-HD-6812-	30	IP20	3000
	60	IP65	4500
	144		6500



Custom Products

We can design custom variants of this product to suit your requirements. We have engineers and manufacturing capability in the UK as well as Hong Kong. Please contact sales@ledlightingproducts.co.uk with your requirements.

Warranty

LED Lighting Products Ltd warrants that the product it manufactures and sells will be free from defects in materials and workmanship for a period of 1 year from the date of despatch. If the device proves defective within the respective period, LED Lighting will repair or replace the defective hardware at its sole discretion. If the failure is due to an operator error, the user accepts to pay for any charge relating to the diagnosis of the hardware, faulty parts or shipping from our factory.

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