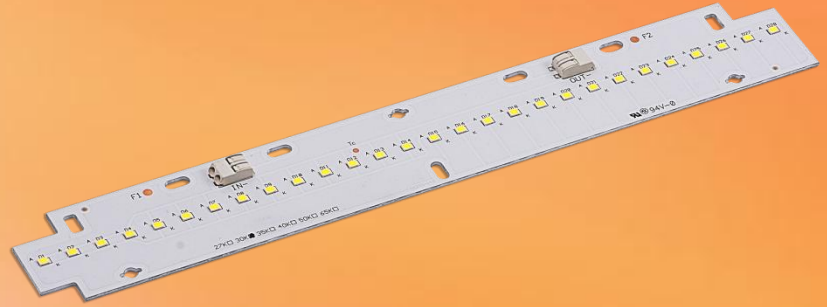


**MANKUN**  
MANKUN ELECTRONIC CO., LTD.  
Manufacturer Of LED Lighting Solution

## Indoor LED Module

DK280 - 15846



### Datasheet

# The creative system for room lighting linear module

## DK280 - 15846 LED 2x14

### Applications

- Residential lighting
- Office lighting
- Retail lighting
- Industrial lighting

### Product description:

- High efficiency indoor modules
- Efficacy of the module up to 174 lm/W at 150 mA (nominal operation)
- High color rendering (CRI >80)
- Excellent color consistency of 5 SDCM
- Choice of color temperatures (3000 K, 4000 K, 5000 K and 6500 K)
- Huge performance temperature range from -40 ... +95 °C
- LED Linear module 1ft 2600lm / 280mm
- Push terminals for quick and simple wiring
- Long life-time up to 50,000 hours
- Zhaga book 7 compatible



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[www.mankun.net](http://www.mankun.net)

## Optical characteristics - table per color (CCT)

Model	CCT K	Current mA	Flux Tp 25°C lm	Flux Tp 65°C lm	Power Tp 65°C W	Efficacy Tp 25°C Lm/W	Efficacy Tp 65°C Lm/W	I <sub>max</sub> mA	Min. Voltage Tp 25°C	Max. Voltage Tp 25°C
15846/830H	3000	150	1968	1848	12.0	164	154	300	81.2	92.4
		200	2592	2429	16.3	159	149			
		300	3635	3379	25.6	142	132			
15846/840H	4000	150	2016	1896	12.0	168	158			
		200	2608	2445	16.3	160	150			
		300	3738	3482	25.6	146	136			
15846/850H	5000	150	2076	1956	12.0	173	163			
		200	2690	2527	16.3	165	155			
		300	3763	3507	25.6	147	137			
15846/865H	6500	150	2088	1968	12.0	174	164			
		200	2690	2527	16.3	165	155			
		300	3840	3584	25.6	150	140			

Above data are initial data.

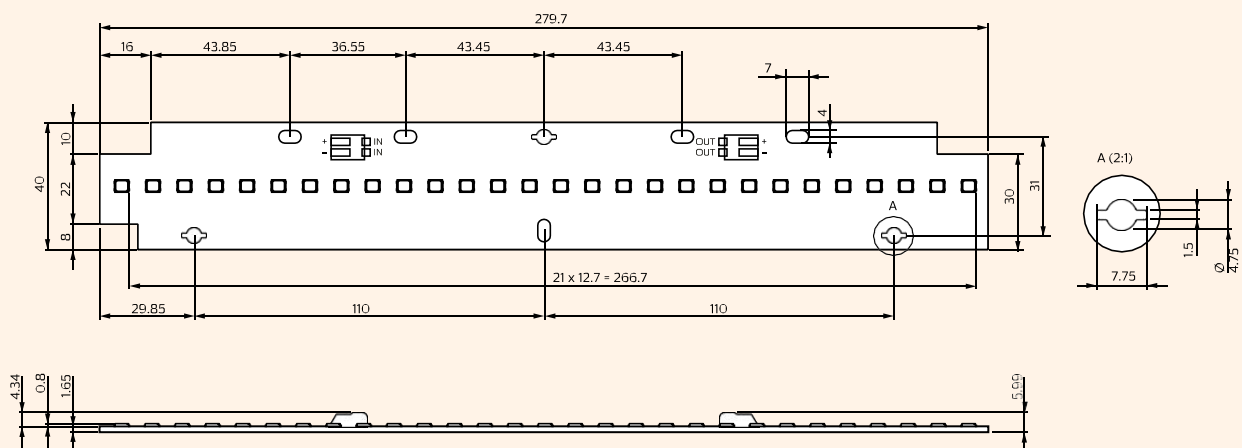
Measurement precision for flux +/- 5%, for efficacy +/- 6%, for x, y +/- 0.005, for CRI +/- 1.5

A maximum color shift of 7 SDCM is specified for 50000 h at reference operating conditions.

## Mechanical characteristics

Parameter	Min	Typ	Max	Unit
Length	279.2	279.7	280.2	mm
Width	39.5	40	40.5	mm
Height excl. connector	2	2.1	2.2	mm
Height incl. connector	5.6	5.8	6	mm
Warpage (IPC-TM-650)			4	%

Bow & Twist of the PCB aGer production tested and released according IPC-TM-650 2.4.22.



## Wiring schematic

