

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

Indoor LED Module

DK280 - 15845



Datasheet

The creative system for room lighting linear module

DK280 - 15845 LED 2x11

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 2200lm / 280mm
- Push terminals for quick and simple wiring
- Long life-time up to 50,000 hours
- Zhaga book 7 compatible



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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 _{max} mA	Min. Voltage Tp 25°C	Max. Voltage Tp 25°C
15845/830H	3000	150	1542	1448	9.4	164	154	300	63.8	72.6
		250	2427	2263	16.4	148	138			
		300	2854	2653	20.1	142	132			
15845/840H	4000	150	1579	1485	9.4	168	158			
		250	2493	2329	16.4	152	142			
		300	2935	2734	20.1	146	136			
15845/850H	5000	150	1626	1532	9.4	173	163			
		250	2558	2394	16.4	156	146			
		300	2955	2754	20.1	147	137			
15845/865H	6500	150	1636	1542	9.4	174	164			
		250	2591	2427	16.4	158	148			
		300	3015	2814	20.1	150	140			

Above data are initial data.

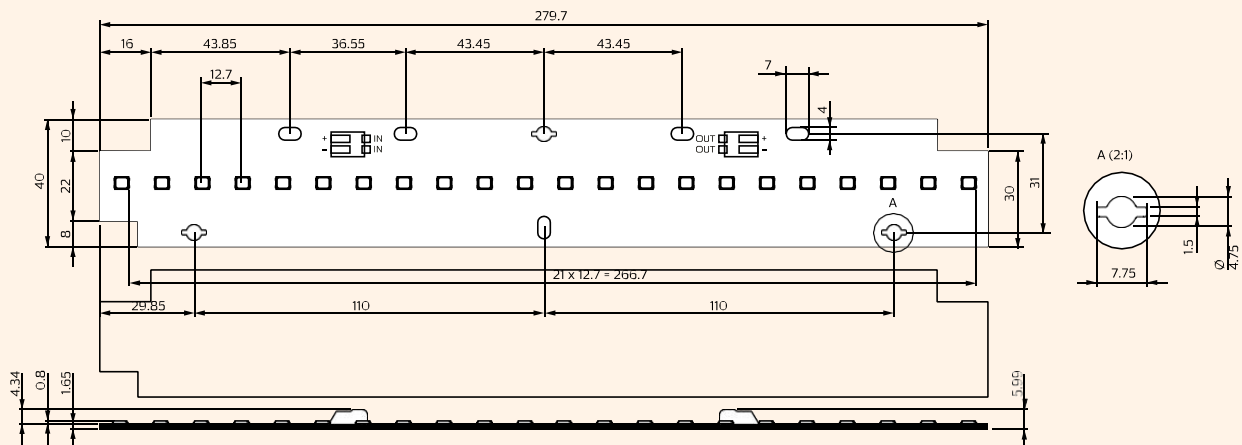
Measurement precision for flux +/- 5%, for efficacy +/- 6%, for x, y +/- 0.005, for CRI +/- 1.5

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

