

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

Indoor LED Module

DK280 - 15844



Datasheet

The creative system for room lighting linear module

DK280 - 15844 LED 3x10

Applications

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

Product description:

- High efficiency indoor modules
- Efficacy of the module up to 176 lm/W at 200 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 2700lm / 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
15844/830H	3000	200	1881	1767	11.4	165	155	450	58.0	66.0
		300	2746	2570	17.6	156	146			
		400	3543	3302	24.1	147	137			
15844/840H	4000	200	1949	1835	11.4	171	161			
		300	2816	2640	17.6	160	150			
		400	3639	3398	24.1	151	141			
15844/850H	5000	200	2006	1892	11.4	176	166			
		300	2904	2728	17.6	165	155			
		400	3663	3422	24.1	152	142			
15844/865H	6500	200	1984	1870	11.4	176	166			
		300	2781	2605	17.6	165	155			
		400	3615	3374	24.1	152	142			

Above data are initial data.

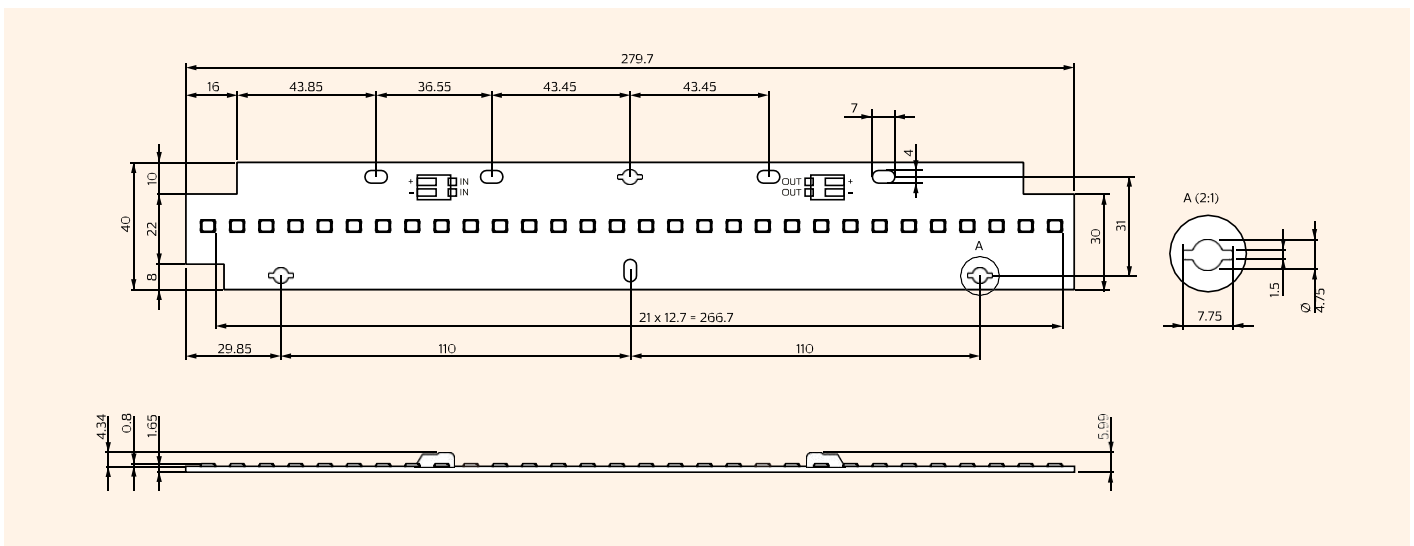
Measurement precision for flux +/- 5%, for efficacy +/- 6%, for x, y +/- 0.005, for CRI +/- 1.5

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

