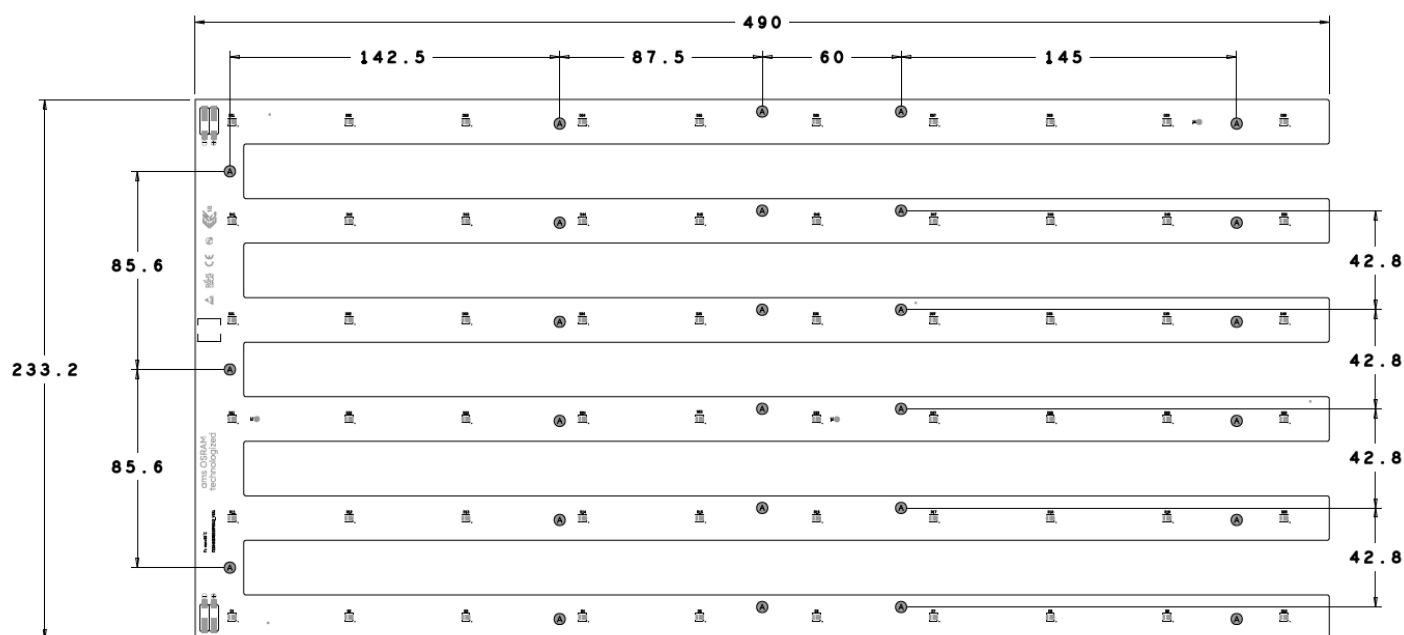


Technical Drawing



Product Description

- Color temperature: 5000K
- CRI: 80 (min.), 82 (typ.)
- Luminous efficacy: typ. 193lm/W @ 450mA 25°C 5000K
- 5 years warranty
- Beam angle 120°
- Combinable high-quality modules for a smart, performant design. Ideal also for extensive applications. Perfect light uniformity.
- Ideal for backlight for office lighting.
- Extended lifetime > 80.000 h. (L80B20)
- Colour tolerance (MacAdam <3)
- Module Temperature Tc max. 85°C
- Osram LED GW JTLPS1.EM
CCT: 5000K, BIN: KN-33-L2
- The module dimension is 490x233,2x16



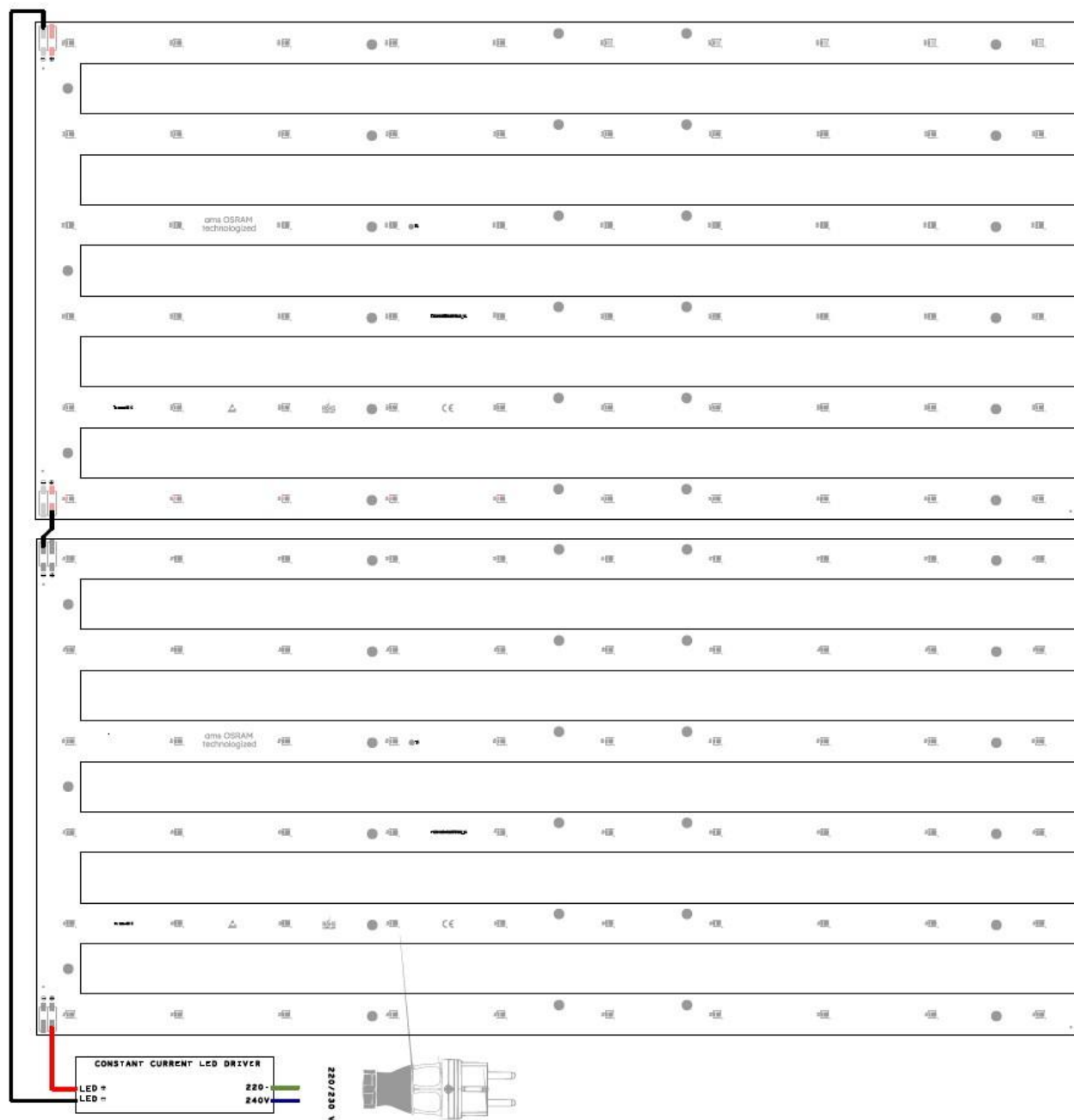
Specific Technical Data

Product Code	Product Description	CCT	Connection	Flux @Tc 25°C	Flux @Tc 55°C	Power @Tc 55°C	Vmin @Tc 25°C	Vmax @Tc 25°C	Efficacy @Tc 25°C	Efficacy @Tc 55°C
Operating mode at 450mA constant current										
LMSAR00002596	FNG-CEM1-490X233X1,6-D28X60-P5S12-850	5000 K	12S5P	2938 lm	2795 lm	14,8 W	32,52 V	33,72 V	193 lm/W	188 lm/W
Operating mode at 500mA constant current										
LMSAR00002596	FNG-CEM1-490X233X1,6-D28X60-P5S12-850	5000 K	12S5P	3233 lm	3075 lm	16,6 W	32,88 V	34,08 V	190 lm/W	184 lm/W
Operating mode at 550mA constant current										
LMSAR00002596	FNG-CEM1-490X233X1,6-D28X60-P5S12-850	5000 K	12S5P	3524 lm	3351 lm	18,4 W	33,12 V	34,32 V	186 lm/W	181 lm/W
Operating mode at 750mA constant current(max)										
LMSAR00002596	FNG-CEM1-490X233X1,6-D28X60-P5S12-850	5000 K	12S5P	4639 lm	4409 lm	25,8 W	33,96 V	35,16 V	175 lm/W	170 lm/W
Tolerance range for optical data ±%10 , Toletance range for electrical data ±%4										

PCB Raw Material Spesification

- Material: CEM-1
- Thickness: 1 L / 1,6 mm 35 um for ideal cooling
- Colour: White
- Surface Cover: Lead Free HAL Tin
- CTI=> 600 V
- TG: 135 °C

SERIAL CONNECTION



PARALLEL CONNECTION

