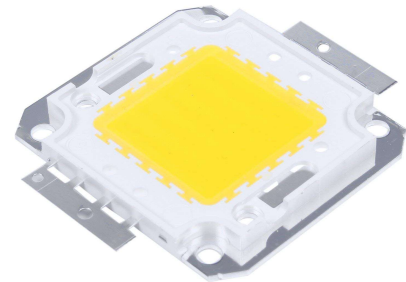


Waveform Lighting's 7200 Series™ 100W COB LED provides 10,000 lumens of 95 CRI, super high density light from a tiny surface area the size of a postage stamp.

Using an industry-standard 100W COB frame, we developed a unique phosphor mix that achieves an industry-first 95 CRI D65 (6500K) rating. The full spectrum phosphor recipes allow for a near-perfect replication of natural daylight from a single COB emitter.

FEATURES

- Chip on board LED featuring full spectrum 95 CRI at D65 (6500K)
- Rated at 100W nominal, maximum 350W
- Ultra high lumen density light output of 10,000 lumens at rated power
- Light emission surface dimensions of 0.79 x 0.79 inches (20 x 20 mm)
- Premium bin Bridgelux 45x45 mil LED chips with double-bonded gold wire in a 10x10 grid for maximum reliability and stability (no leak current)



PHOTOMETRIC SPECIFICATIONS

Specifications are measured at 3500 mA and T_a = 25°C unless otherwise noted

Light output:	10,000 lumens	CRI Ra (typ):	95
CCT:	6500K ± 75K	CRI R9 (min):	90
CIE xy:	(0.3123, 0.3282)	TLCI:	95+
Emission angle:	120 degrees	TM-30-15 R _r / R _g :	95+/100

Download full photometric reports at <https://www.waveformlighting.com/photometrics>

ELECTRICAL SPECIFICATIONS

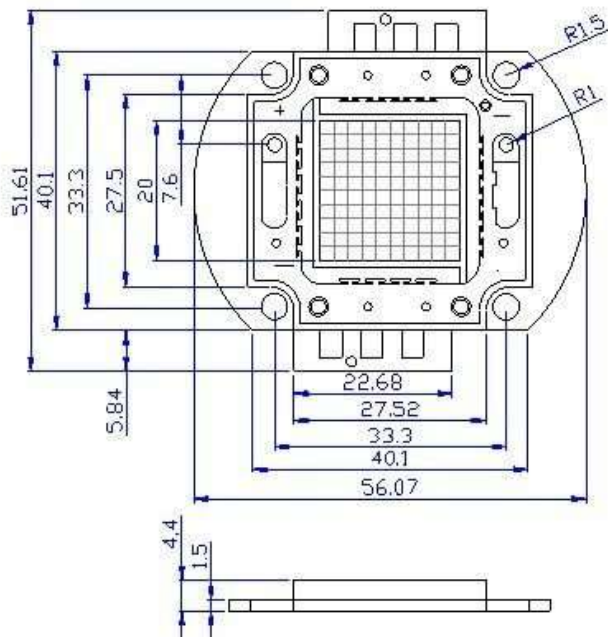
Input type:	Constant Current
Input voltage @ 3.5A:	28-31V DC
Max current:	10,000 mA
Max current (PWM*):	20,000 mA
Reverse voltage:	50V
Max case temp:	65°C

MECHANICAL SPECIFICATIONS

Length:	2.20 in (56 mm)
Width:	2.05 in (52 mm)
Height:	0.17 in (4.4 mm)
LES:	0.79 x 0.79 in (20 x 20 mm)
Weight:	0.99 oz (28 grams)

*PWM duty cycle < 10%, pulse width < 0.1 ms

MECHANICAL DRAWING & DIMENSIONS



PART NUMBERS AND ORDERING

D65:	7200.65
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