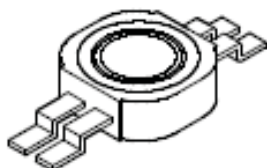


# Shadow™

## POWER LIGHT EMITTING DIODE



Shadow™ 7 mm PLED now available in warm to cool whites, Red Magic White™ - RMW™, RGB and other colors, with one to four high performance die. Power configuration one to five + watts.

### Top Applications

- General lighting
- Light bulb replacement
- Environment lighting - RMW
- Back lighting
- Edge lighting - signage
- RGB

### Top Features

- Small size 7 x 7 mm
- 5 - 14 watts possible
- Copper alloys construction allows for high power
- Cooler junction
- Low thermal resistance
- High internal reflectivity design for maximum light extraction
- 2 or 4 leads
- IR wave solderable

Shadow PLED solutions are designed for the general illumination / lighting markets where 600 to 1200 lumen incandescent lamps will be replaced by environmentally friendly and efficient solid state lighting.

There are two choices for the SSL illumination market: multiple packages or multiple chips in one package.

The Shadow offers multiple die in a single small package suitable for optics.

Shadow optimal thermal design provides higher lumen maintenance than competitors. For high power applications, thermal resistance is very important effecting both the light output and the lifetime of the light output.

### Wide range of white color temperatures available

- 2800°K - 8000°K by standard phosphor conversion.
- Tunable Red Magic White ranges from 3300°K to 7400°K

RMW\* technology from Yokohama Electron now offers lighting designers tunable white light from all in one high brightness and efficient LED components.

### Single color and RGB

Single color offered by one or more die, standard or mixed wavelength custom order.

Standard RGB package offered with common anode and RGB+A available custom order.