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|-----------|------------------------|
| Model No. | OSPR9X02- XXXME1C1E |
| REV. | C1 |

9PCS Xeon 1 Power LED

Descriptions:

- Green light source, fast response
- Long life, easy installation
- LED model number: XXXME1C1E

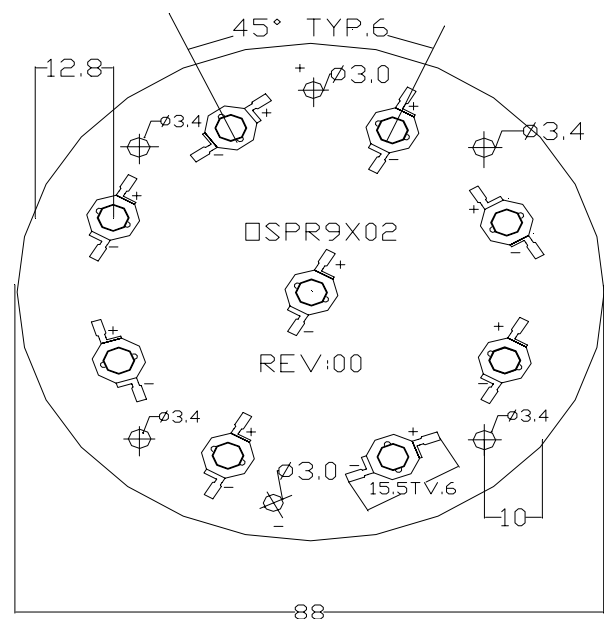
Features:

- Available in red, yellow, green, blue, white
- Super Bright
- Big Emitting Angle
- Superior ESD Protection
- Superior UV Resistance
- Can be equipped with lens: OS-OLIHA030P

Application:

- Small space lighting
- Mechanical equipment lights

Product Picture and Dimensions:



Unit: mm
Tolerance: $\pm 0.3\text{mm}$



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Device Selection Guide

| Module No. | Color | Wavelength (Typ.) | | Condition | Overall luminous flux (Typ.) |
|------------|------------|-------------------|-------|-----------|------------------------------|
| R5XME1C1E | Red | 625 nm | | IF=1050mA | 450 lm |
| G5XME1C1E | Green | 525 nm | | IF=1050mA | 675lm |
| B5XME1C1E | Blue | 470 nm | | IF=1050mA | 135 lm |
| Y5XME1C1E | Yellow | 590 nm | | IF=1050mA | 450 lm |
| W4XME1C1E | White | X=0.31,Y=0.33 | 6500K | IF=1050mA | 900 lm |
| M5XMEC1E | Warm White | X=0.45,Y=0.41 | 3000K | IF=1050mA | 675 lm |
| M4XME1C1E | Warm White | X=0.49,Y=0.43 | 2500K | IF=1050mA | 765 lm |
| M7XME1C1E | Warm White | X=0.38,Y=0.39 | 4000K | IF=1050mA | 765 lm |

Absolute Maximum Ratings(Ta=25)

| Items | Symbol | Values | Units |
|----------------------------|---------------------------|-----------|-------|
| Operating supply range(DC) | V _{dc} (B, W, G) | 12 | V |
| | V _{dc} (R, Y) | 9 | |
| Input Current (DC) | I _i | 1.5 | A |
| Power Dissipation | P _a (B, W, G) | 27 | W |
| | P _a (R, Y) | 20.25 | |
| Operating Temperature | T _{ope} | -10 ~ +40 | DegC |
| Storage Temperature | T _{stg} | -20 ~ +80 | DegC |

Typical Performance (Ta=25)

| Items | Symbol | Min. | Typ. | Max. | Units |
|-----------------------|--------------------------|------|------|------|-------|
| LED Module Power | P _m (B, W, G) | - | 10.5 | 14.4 | w |
| | P _m (R, Y) | | 7.9 | 10.8 | |
| Input Voltage(DC) | V _i (B, W, G) | - | 10 | 12 | V |
| | V _i (R, Y) | | 7.5 | 9 | |
| Product Input Current | I _f | - | 1.05 | 1.2 | A |
| Beam Pattern | BP | - | 120 | - | Deg |
| Total Diameter of PCB | L _{mod.} | - | 88 | - | mm |
| Net Weight | Wei. | --- | 40 | --- | g |