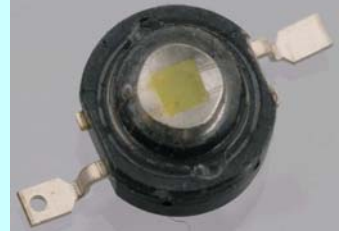


### High Power LED - 1W, 3W, and 5W



| Color         | Part Number<br>LTPL- | R <sub>th</sub><br>(J-c) | Luminous Flux @350mA |       |       | Luminous Flux @700mA |       |     | Luminous Flux @1A |       |     | Efficiency    | Efficiency    | Efficiency | Disty<br>Pricing<br>US\$ |
|---------------|----------------------|--------------------------|----------------------|-------|-------|----------------------|-------|-----|-------------------|-------|-----|---------------|---------------|------------|--------------------------|
|               |                      |                          | Min                  | Typ   | Max   | Min                  | Typ   | Max | Min               | Typ   | Max | @350mA<br>Max | @700mA<br>Typ | @1A<br>Typ |                          |
| Cool White    | P011WS               | 9                        | 51.7                 | 58.9  | 67.2  |                      |       |     |                   |       |     | 45.5          |               |            | 1.138                    |
|               | P013WST1             | 6.5                      | 67.2                 | 71.7  | 76.6  |                      | 121.9 |     |                   |       |     | 64.0          | 49.8          |            | 1.438                    |
|               | P013WST2             | 6.5                      | 76.6                 | 82.0  | 87.4  |                      | 139.4 |     |                   |       |     | 73.2          | 56.9          |            | 1.650                    |
|               | P013WSU1             | 6.5                      | 87.4                 | 93.5  | 100.0 |                      | 159.0 |     |                   |       |     | 83.5          | 64.9          |            | 1.875                    |
|               | P013WSU2             | 6.5                      | 100.0                | 106.8 | 113.6 |                      | 181.6 |     |                   |       |     | 95.4          | 74.1          |            | 2.875                    |
|               | P014WST2             | 6                        | 76.6                 | 82.0  | 87.4  |                      | 147.6 |     |                   | 188.6 |     | 68.9          | 57.0          | 48.4       | 2.913                    |
|               | P014WSU1             | 6                        | 87.4                 | 93.5  | 100.0 |                      | 168.3 |     |                   | 215.1 |     | 78.6          | 65.0          | 55.1       | 3.325                    |
|               | P014WSU2             | 6                        | 100.0                | 106.8 | 113.6 |                      | 192.2 |     |                   | 245.6 |     | 89.7          | 74.2          | 63.0       | 3.838                    |
| Neutral White | P011NS               | 9                        | 39.8                 | 51.7  | 67.2  |                      |       |     |                   |       |     | 39.9          |               |            | 1.138                    |
|               | P013NSS0             | 6.5                      | 51.7                 | 58.9  | 67.2  |                      | 94.2  |     |                   |       |     | 52.6          | 38.5          |            | 1.438                    |
|               | P013NST1             | 6.5                      | 67.2                 | 71.7  | 76.6  |                      | 114.7 |     |                   |       |     | 64.0          | 46.8          |            | 1.950                    |
|               | P013NST2             | 6.5                      | 76.6                 | 82.0  | 87.4  |                      | 131.2 |     |                   |       |     | 73.2          | 53.6          |            | 2.213                    |
|               | P014NST1             | 6                        | 67.2                 | 71.7  | 76.6  |                      | 129.1 |     |                   | 164.9 |     | 60.3          | 49.8          | 42.3       | 3.363                    |
|               | P014NST2             | 6                        | 76.6                 | 82.0  | 87.4  |                      | 147.6 |     |                   | 188.6 |     | 68.9          | 57.0          | 48.4       | 3.838                    |
| Warm White    | P011MS               | 9                        | 30.6                 | 38.0  | 51.7  |                      |       |     |                   |       |     | 29.3          |               |            | 1.138                    |
|               | P013MSS0             | 6.5                      | 51.7                 | 58.9  | 67.2  |                      | 94.2  |     |                   |       |     | 52.6          | 38.5          |            | 1.538                    |
|               | P014MSS0             | 6                        | 51.7                 | 58.9  | 67.2  |                      | 102.5 |     |                   | 129.6 |     | 49.5          | 39.6          | 33.2       | 2.688                    |
| Single Color  | P011R                | 5                        | 30.6                 | 37.0  | 51.7  |                      |       |     |                   |       |     | 46.0          |               |            | 1.325                    |
|               | P011G                | 9                        | 51.7                 | 65.0  | 76.6  |                      |       |     |                   |       |     | 50.2          |               |            | 1.913                    |
|               | P011B                | 9                        | 10.7                 | 12.0  | 13.9  |                      |       |     |                   |       |     | 10.8          |               |            | 1.175                    |
|               | P013B                | 6.5                      | 10.7                 | 14.0  | 18.1  |                      | 22.4  |     |                   |       |     | 12.5          | 9.1           |            | 1.738                    |
|               | P011A                | 5                        | 30.6                 | 38.0  | 51.7  |                      |       |     |                   |       |     | 47.2          |               |            | 1.325                    |
|               | P011H                | 5                        | 30.6                 | 38.0  | 51.7  |                      |       |     |                   |       |     | 47.2          |               |            | 1.325                    |

Parts are available in tubes and in tape and reel (500 pcs reel). MCPCB version is shipped in trays in box.  
Detail specification is available upon request.

#### Features highlight -

- High brightness output
- High current drive up to 1000 mA
- Low thermal resistance
- Long operating life, Fast response
- 120 degree viewing angle
- Match existing Power LED footprint
- MCPCB assembly available

#### Applications -

- Architectural lighting
- Small area landscape lighting
- Mood lights, Decorative lights
- Exit signs, Emergency lights
- Channel letters, Store signs and displays
- Portable flash lights



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