

DATA SHEET

12W DL12WT -Dimmable

Rev. 01

0. Photo



1. Electric and photometric parameters

| Description | Unit | Min. | Typical | Max. |
|------------------------------|---------|-------|--------------|-------|
| Input power | Watt | | 12W | |
| Input voltage | Volts | 20.5 | 21 | 21.5 |
| Power factor | % | 95 | | |
| Switch ON time | seconds | | 0.5 | 1 |
| Dimmable | | | YES | |
| Energy class | | | A+ | |
| Equivalent | | | 100W halogen | |
| CCT/CRI values | | | | |
| Warm white (3000K, CRI82) | Kelvin | 2850K | 3000K | 3150K |
| Natural white (4000K, CRI80) | | 3900K | 4000K | 4150K |
| Brightness | | | | |
| Warm white (3000K, CRI82) | Lumen | 950 | 1050 | 1150 |
| Natural white (4000K, CRI80) | | 1050 | 1150 | 1250 |
| Available beam angle | (°) | | 45° | |
| LED brand | | | CREE | |
| LED product code | | | XPG | |

2. Reliability parameters

| Description | Unit | Min. | Typical | Max. |
|--------------------|-------|-------|---------|------|
| Warranty (Non-Dim) | years | 3 | | |
| Life time | hours | 25000 | | |
| ON-OFF cycles | | 30000 | | |
| Light decay | | | | |
| after 10000h | % | | 5 | 8 |
| after 20000h | | | 8 | 12 |

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3. Environment conditions

| Description | Unit | Min. | Typical | Max. |
|--------------------------|------|------|---------|------|
| Operating temp. Range | °C | -20 | | +40 |
| Humidity operating range | % | 10 | | 80 |
| Storage temp. range | °C | -20 | | +70 |
| Humidity storage range | % | 10 | | 60 |
| IP protection | IP | 20 | | |

4. Mechanical parameters

| Description | Unit | Min. | Typical | Max. |
|------------------------------|------|---------------------------|---------|------|
| Net weight (Non-Dim, Lamp) | Kg | | 0.565 | |
| Dimensions(Lamp) diameter | mm | | 130.0 | |
| length | | | 71.6 | |
| Main materials | | Aluminum/Thermal Painting | | |

5. Single Box packaging

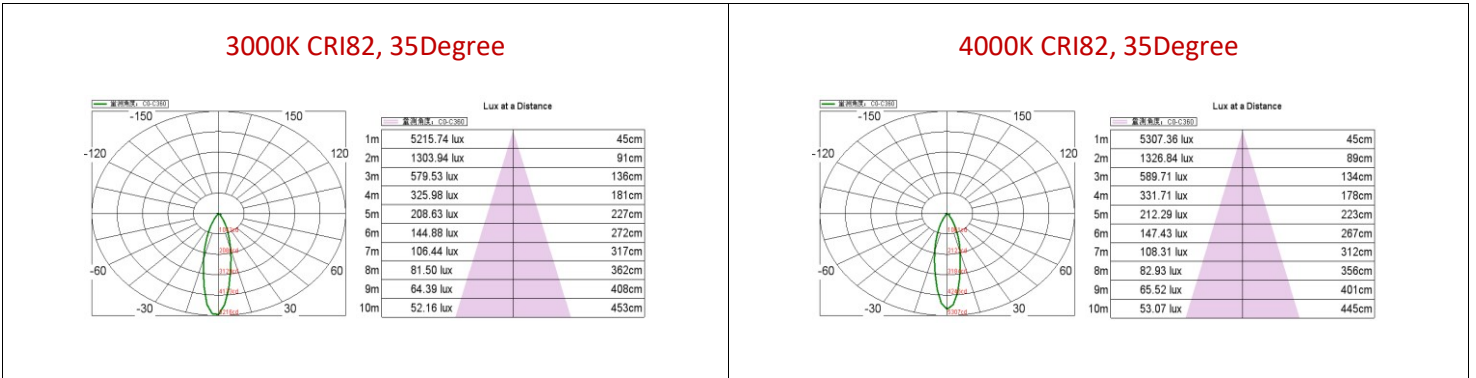
| Description | Unit | Min. | Typical | Max. |
|--------------------------|------|------|---------|------|
| Box dimensions length | mm | | 140 | |
| width | | | 140 | |
| height | | | 105 | |
| Gross weight | Kg | | 0.6 | |
| Quantity | pc | | 1 | |

6. External Box packaging

| Description | Unit | Min. | Typical | Max. |
|--------------------------|------|------|---------|------|
| Box dimensions length | mm | | 725 | |
| width | | | 290 | |
| height | | | 225 | |
| Gross weight | Kg | | 14 | |
| Quantity | pc | | 20 | |

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7. Optical Test



8. Lamp Mechanical drawing

