

HYUNDAI


LED Bulb

Technical Specification

Fixture Product Specification

| | |
|-----------------------------|---------------------------|
| Product Description: | 11W LED Bulb 3000K |
|-----------------------------|---------------------------|

A、 Appearance Description

|  | Component NO | Component Name | Material Technics | Color Effect | Remark |
|--|--------------|----------------|-------------------|--------------|--------|
| | 1 | bulb | PC | white | |
| | 2 | Housing | PBT + AL | white | |
| | 3 | base | Nickel + PBT | | |
| | | | | | |

B、 Structure

| Parameter | Units | Min | Rating | Max | Remark |
|---------------------|---------------|-----|----------|-----|--------|
| Driver | | | internal | | |
| Installation Method | Rotating Base | | | | |
| Base Type | | | | | E27 |
| length | Mm | 114 | 116 | 118 | |
| Height | Mm | 59 | 60 | 61 | |
| Weight | g | 43 | 48 | 53 | |

C、 Product Certification

| Standards | <input checked="" type="checkbox"/> IEC 60598 Series <input checked="" type="checkbox"/> SASO2870 <input checked="" type="checkbox"/> LVD | | |
|-----------|---|--|------------------------------------|
| | <input type="checkbox"/> IEC 61347 Series | <input type="checkbox"/> GB19510 | |
| | <input type="checkbox"/> IEC62031 | <input type="checkbox"/> FCC 47 part15 | <input type="checkbox"/> GB/T20145 |
| | <input type="checkbox"/> IEC 62471 | <input type="checkbox"/> CISPR15 | <input type="checkbox"/> ROHS |
| | <input type="checkbox"/> IEC 61000- 3- 2/ 3 | <input type="checkbox"/> IEC 61547 | |

D、Electronic Data

| Parameter | Units | Min | Rating | Max | Remark |
|---------------------|-------|-------|----------|-------|--------|
| Supply Voltage | V | 110 | 110-230 | 240 | |
| Supply Frequency | Hz | | 50/60 | | |
| Supply Current | A | 0.08 | 0.095 | 0.105 | |
| Power Consumption | W | 9.9 | 11 | 12.1 | |
| Power Factor | - | > 0.5 | | | |
| LED Driver Lifetime | | | 25000hrs | | |

E、Light Source Data

| LED Specifications | Units | |
|--------------------|-------|-------|
| LED Qty. (pcs) | pcs | 14 |
| LED Size | mm | 28*35 |
| LM80 Report | | Y |

F、Optical Data

| Parameter | Units | Min | Rating | Max | Remark |
|-------------------------|-------|---|---------|------|--------|
| Luminous Flux | Lm | 855 | 1030 | 1100 | |
| Beam Angle | ° | 120 | | | |
| Luminous Efficacy | lm/W | 80 | 86 | 90 | |
| Ra | - | 80 | | | |
| Chromaticity Coordinate | | <input checked="" type="checkbox"/> CIE standard <input type="checkbox"/> ANSI standard <input type="checkbox"/> JIS standard | | | |
| Color Temperature | K | | 3000K | | |
| SDCM | | | SDCM ≤7 | | |
| Optical Efficiency | | | >93% | | |

G、Reliability Data

| Parameter | Units | Rating/Working Condition | Remark |
|----------------------------|-------|--------------------------|--------|
| Lifetime | hrs | 25000 | |
| Number of Switching Cycles | Times | 12500 | |
| Starting Time | s | 1 | |

H. Spectroscopic Data

| Parameter | Data | RA=82.3 |
|-----------|------|---------|
| R1 | 79 | |
| R2 | 90 | |
| R3 | 96 | |
| R4 | 77 | |
| R5 | 79 | |
| R6 | 88 | |
| R7 | 82 | |
| R8 | 55 | |
| R9 | -1 | |
| R10 | 78 | |
| R11 | 75 | |
| R12 | 70 | |
| R13 | 81 | |
| R14 | 98 | |
| R15 | 71 | |

I. CIE Color Data

| Parameter | Rating/Working Condition | Remark |
|-------------------------|--|--------|
| Chromaticity Coordinate | $x = 0.4413$ $y = 0.4093$ / $u' = 0.2512$ $v' = 0.5241$ ($Duv=1.46e-03$) | |
| Dominate Wavelength | $\lambda_d=582.5nm$ Color Purity=55.3% | |
| Peak Wavelength | $\lambda_p=601nm$ | |
| FWHM | 123.4nm | |
| Color index | R=22.7% G=74.7% B=2.6% | |

: =: