

LHP-5050-5000-6

Specification

HiPower LED 1,2W, daylight-white, 5000K($\pm 10\%$)
Rev. 1.2 (may 2013)

Features

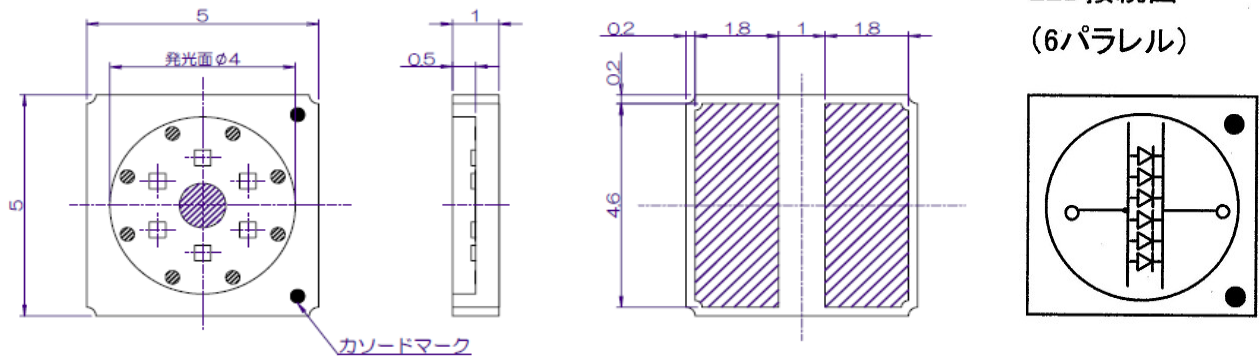
- ✓ CRI Ra 98 (typ.)
- ✓ emitted spectrum 390nm – 730nm
- ✓ 75lm (typ.)
- ✓ 120° viewing angle
- ✓ operating temperature range -40 to 85°C
- ✓ RoHS-compliant
- ✓ lifespan 50.000 hours



Application

- microscope
- spectroscopy
- human vision inspection
- medical lighting

Dimensions

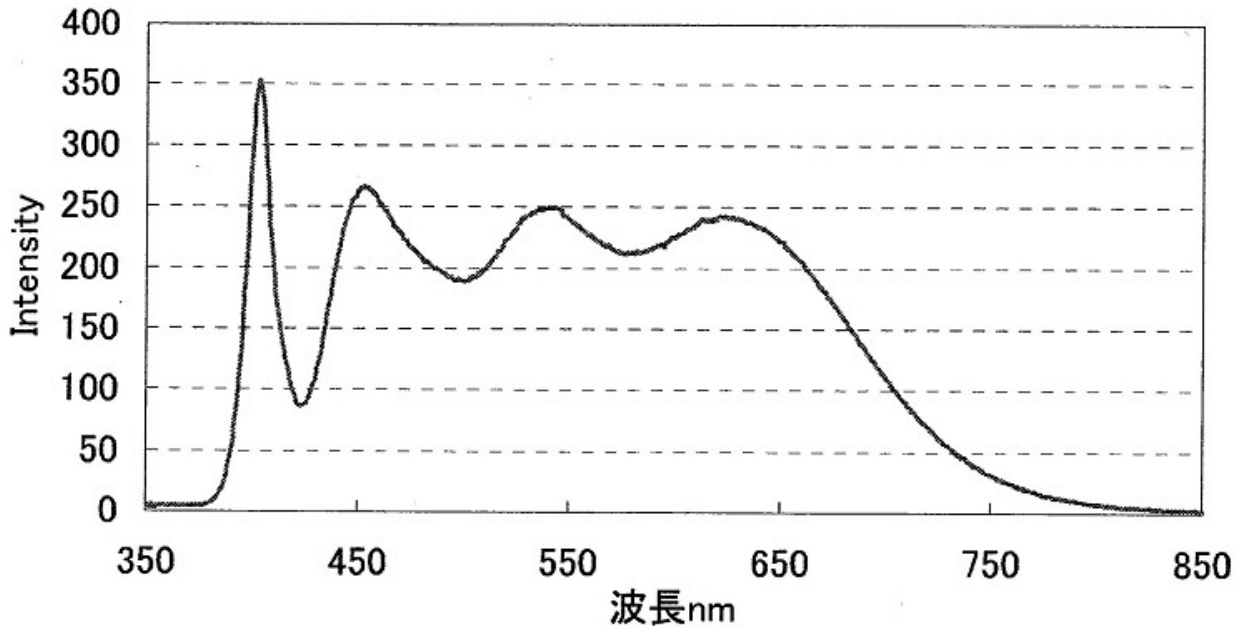


Specification

| LHP-5050-5000-6 | |
|------------------------------------|------------------|
| Outline Dimension | 5mm * 5mm * 1mm |
| Active Area | d = 4mm |
| Power (P) | 1,2 W |
| Forward Voltage (Vf) | 3,0V – 3,8V |
| Reverse Voltage | 5V |
| Forward Current (If) | 360mA |
| Thermal Resistance | 32°C/W |
| Chip Quantity | 6 pcs |
| Lifespan | 50.000h |
| Operating Temperature Range | -40°C - 85°C |
| Luminous Flux | 75 lm |
| Color Rendering Index | Ra98 (typically) |
| Total Viewing Angle | 120° |

Spectrum

発光スペクトル



Color Rendering

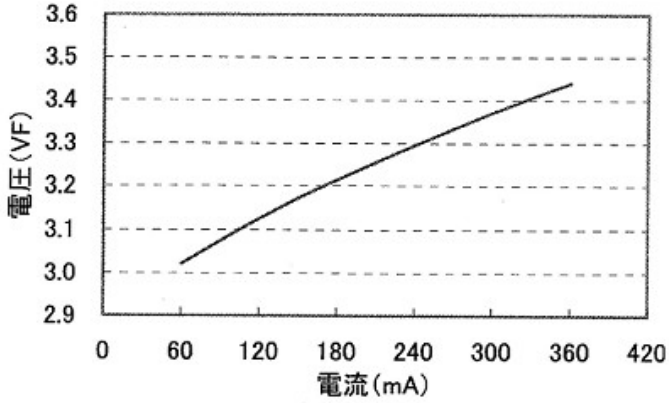
| | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|------|
| | | | | | | | | | | | | | | |
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15* |
| 97 | 99 | 99 | 98 | 98 | 98 | 99 | 98 | 97 | 99 | 97 | 96 | 97 | 98 | 98 |

* available in JIS only

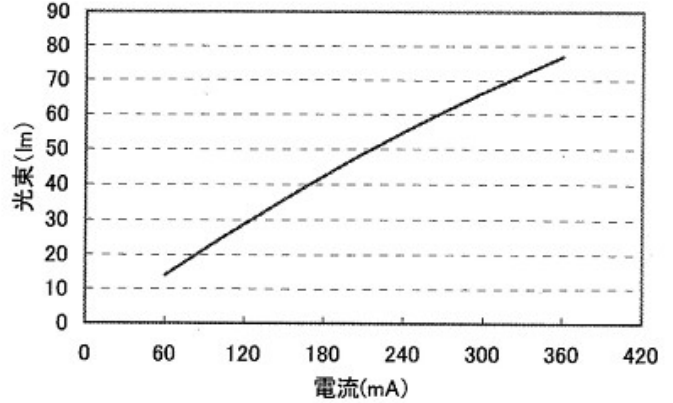
| Ri | Munsell Hue Value / Chromaticity | Appearance color under daylight |
|-----|----------------------------------|---------------------------------|
| R1 | 7.5R 6/4 | light greyish red |
| R2 | 5Y 6/4 | dark greyish yellow |
| R3 | 5GY 6/8 | strong yellow green |
| R4 | 2.5G 6/6 | moderate yellowish green |
| R5 | 10GB 6/4 | light bluish green |
| R6 | 5PB 6/8 | light blue |
| R7 | 2.5P 6/8 | light violet |
| R8 | 10P 6/8 | light reddish purple |
| R9 | 4.5R 4/13 | strong red |
| R10 | 5Y 8/10 | strong yellow |
| R11 | 4.5G 5/8 | strong green |
| R12 | 3PB 3/11 | strong blue |
| R13 | 5YR 8/4 | light yellowish pink |
| R14 | 5GY 4/4 | moderate olive green |
| R15 | 1YR 6/4 | japanese complexion |

Electrical and optical characteristics

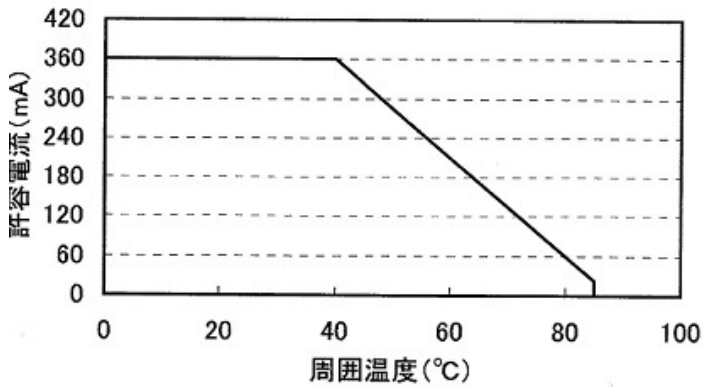
<I-V特性>



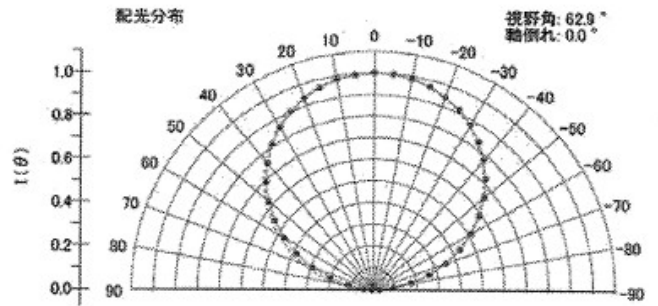
<I-P特性>



<許容電流-周囲温度>



<配光特性>



Handling precaution



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