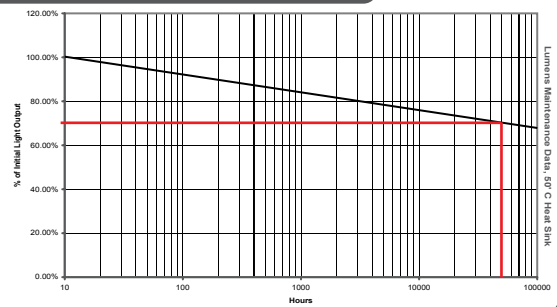


LED SPECIFICATIONS

ELECTRICAL DATA

- DRIVE CURRENT: 1.0A
- VOLTAGE: 12V ac
- WATTAGE: 12w
- OUTPUT: 180lm (typical)
- LUMINOUS EFFICACY: 15lm/w
- DIMMABLE: trailing or leading edge compatible
- SURGE PROTECTION: 4 joules (2ms)
- LUMENS MAINTENANCE: 70% @ 50,000hrs

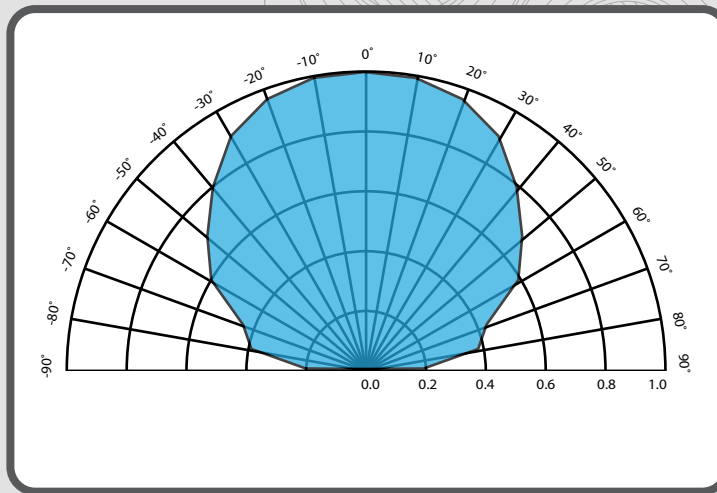
LUMENS MAINTENANCE



PHOTOMETRIC DATA

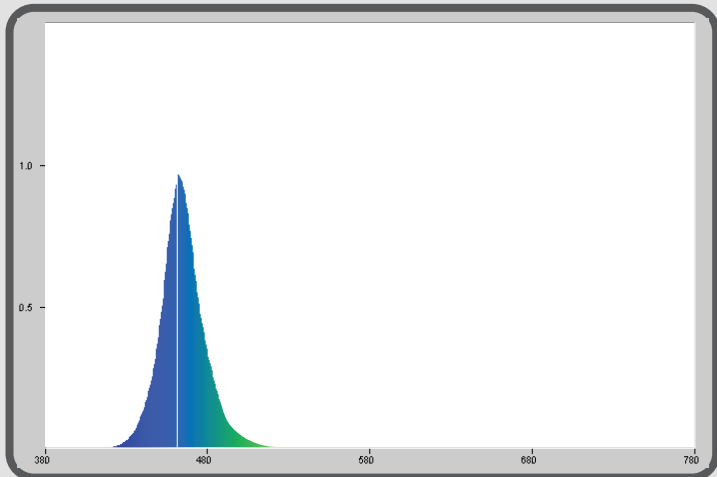
POLAR PLOT

- RELATIVE INTENSITY
- +/-80°:38%
- +/-60°:60%
- +/-45°:75%
- +/-20°:95%
- +/- 0°:100%



WAVELENGTH

- DOMINANT: 467nm
- PEAK: 470nm



NOTE: ALL LIGHTS HAVE BEEN TESTED IN AIR AND THE VISUAL APPEARANCE IN WATER WILL VARY DEPENDING ON COLOUR, WATER ATTENUATION, POOL INTERIOR COLOUR ABSORBSION AND WATER CLARITY. SPA ELECTRICS RESERVES THE RIGHT TO CHANGE THESE SPECIFICATIONS WITHOUT PRIOR NOTICE.



Rainbow Pool Products

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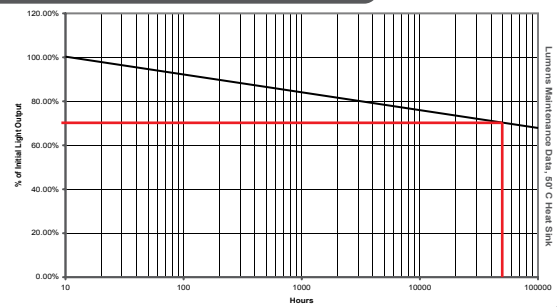


LED SPECIFICATIONS

ELECTRICAL DATA

- **DRIVE CURRENT:** 1.0A
- **VOLTAGE:** 12V ac
- **WATTAGE:** 12w
- **OUTPUT:** 850lm (typical)
- **LUMINOUS EFFICACY:** 71lm/w
- **DIMMABLE:** trailing or leading edge compatible
- **SURGE PROTECTION:** 4 joules (2ms)
- **LUMENS MAINTENANCE:** 70% @ 50,000hrs

LUMENS MAINTENANCE

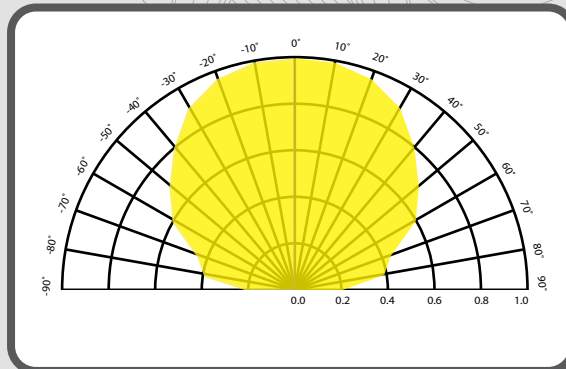


PHOTOMETRIC DATA

POLAR PLOT

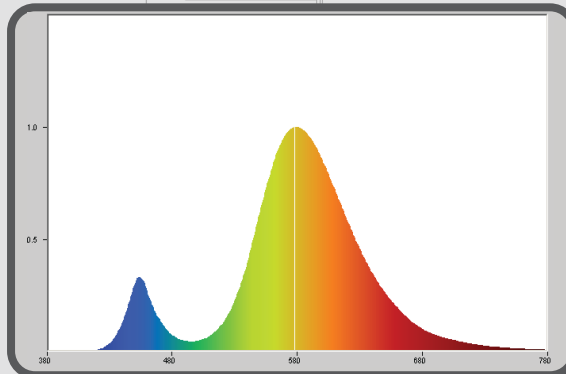
RELATIVE INTENSITY

- +/- 80°: 38%
- +/- 60°: 60%
- +/- 45°: 75%
- +/- 20°: 95%
- +/- 0°: 100%



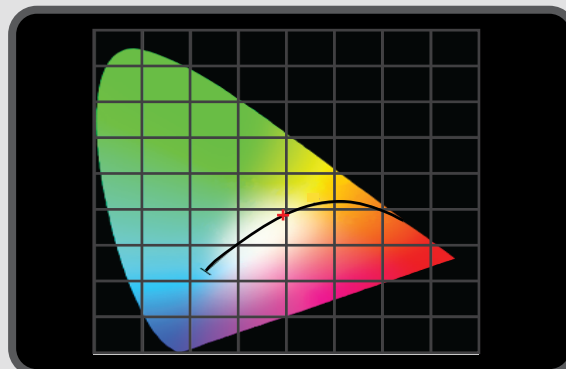
WAVELENGTH

- **DOMINANT:** 570nm
- **PEAK:** 580nm



SPECTRUM

- **CCT:** 3800k
- **PURITY:** 30%
- **CRI. (Ra):** 71
- **COLOUR CIEx:** 0.39
- **CIEy:** 0.38



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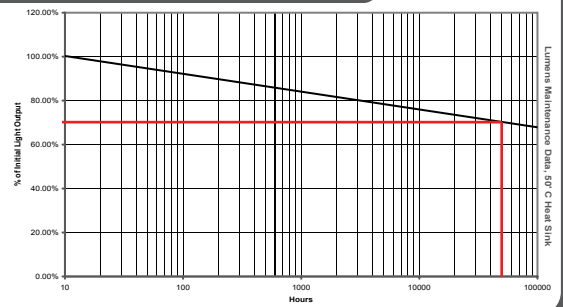


LED SPECIFICATIONS

ELECTRICAL DATA

- DRIVE CURRENT: 1.0A
- VOLTAGE: 12V ac
- WATTAGE: 12w
- OUTPUT: 500lm (typical)
- LUMINOUS EFFICACY: 41lm/w
- DIMMABLE: trailing or leading edge compatible
- SURGE PROTECTION: 4 joules (2ms)
- LUMENS MAINTENANCE: 70% @ 50,000hrs

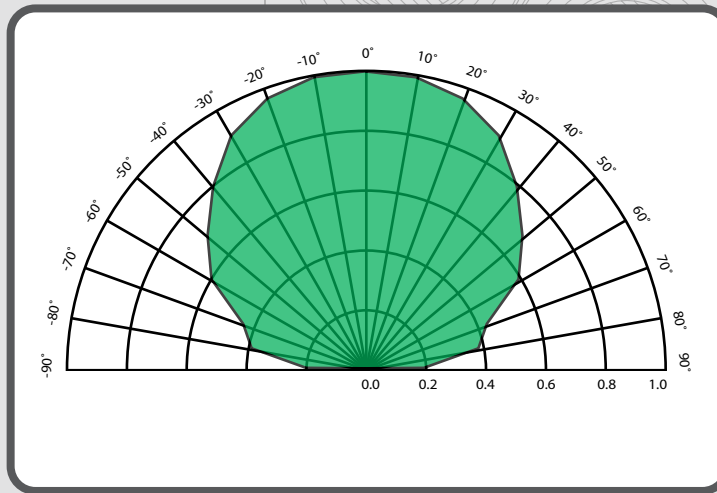
LUMENS MAINTENANCE



PHOTOMETRIC DATA

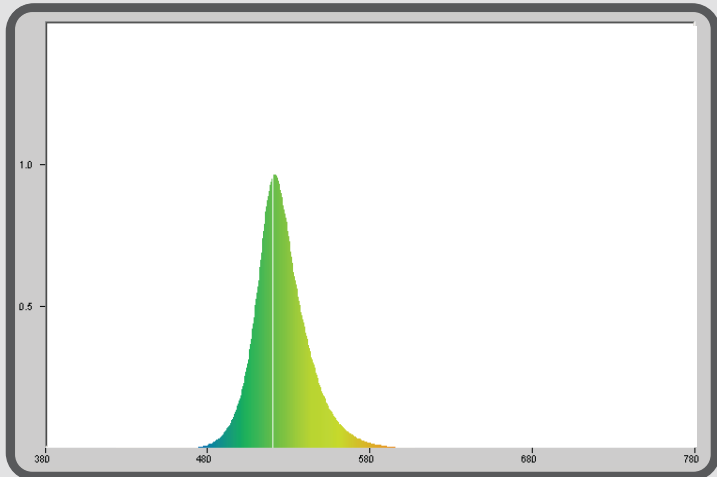
POLAR PLOT

- RELATIVE INTENSITY
- +/-80°:38%
- +/-60°:60%
- +/-45°:75%
- +/-20°:95%
- +/- 0°:100%



WAVELENGTH

- DOMINANT: 512nm
- PEAK: 512nm



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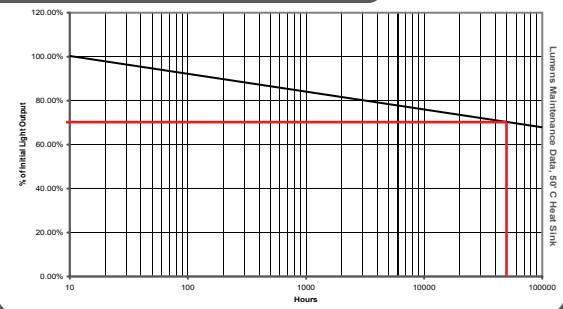


LED SPECIFICATIONS

ELECTRICAL DATA

- **DRIVE CURRENT:** 1.0A
- **VOLTAGE:** 12V ac
- **WATTAGE:** 12w
- **OUTPUT:** RED:240lm GREEN:500lm BLUE:180lm
- **LUMINOUS EFFICACY:** R:20 lmw G:41lmw B: 15lmw
- **DIMMABLE:** Not compatible with this model.
- **SURGE PROTECTION:** 4 joules (2ms)
- **LUMENS MAINTENANCE:** 70% @ 50,000hrs

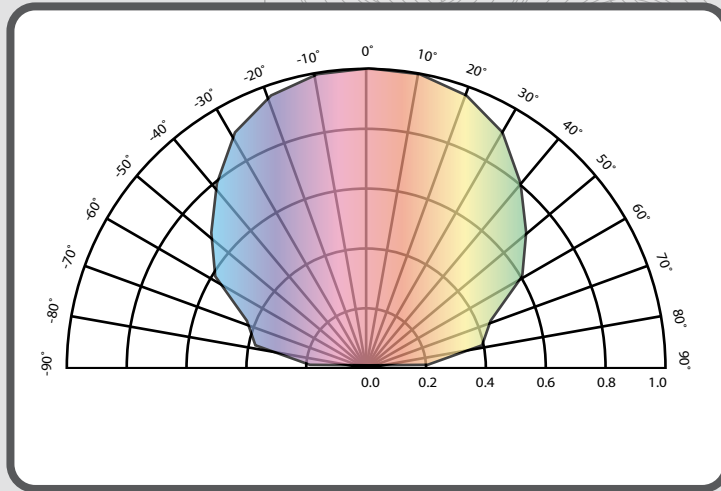
LUMENS MAINTENANCE



PHOTOMETRIC DATA

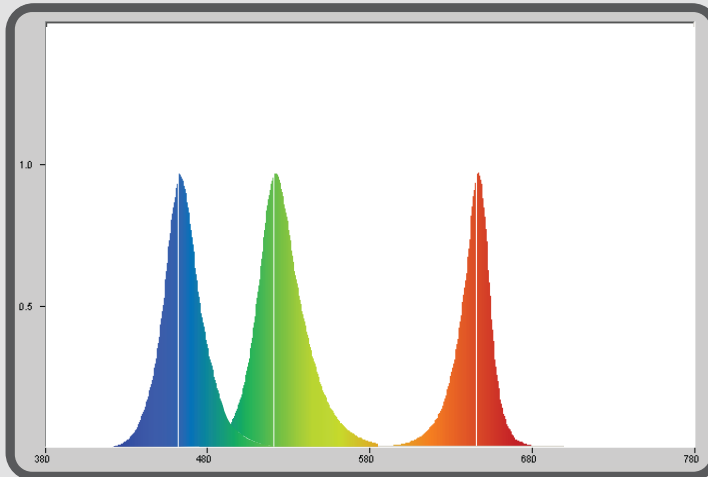
POLAR PLOT

- **RELATIVE INTENSITY**
- +/-80°:38%
- +/-60°:60%
- +/-45°:75%
- +/-20°:95%
- +/- 0°:100%



WAVELENGTH

- **RED**
- **DOMINANT:** 627nm
- **PEAK:** 645nm
- **GREEN**
- **DOMINANT:** 512nm
- **PEAK:** 512nm
- **BLUE**
- **DOMINANT:** 466nm
- **PEAK:** 470nm



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