



LUXEON SunPlus 3030

Industry leading efficacy, 3V 3030 package



LUXEON SunPlus 3030 is superior high efficacy, mid power package built on the legacy of the LUXEON 3030 product line. It serves as a go-to solution for horticulture applications that require top notch $\mu\text{mol/J}$ performance and long lifetime. Luxeon SunPlus 3030 adopt quadrant bin structure within 3 SDCM, which enables 2 SDCM by kitting.

FEATURES AND BENEFITS

Superior high efficacy at rated current enables outstanding $\mu\text{mol/J}$ at system level

Reliable package design from a proven product line affirms application long lifetime

Quadrant bin structure within 3 SDCM enables 2 SDCM by kitting

Industry standard package allows drop-in replacement for existing 3030 packages

Robust coating design for enhanced sulfurprotection capability ^[1]

[1] Refer to reliability datasheet for more details.

PRIMARY APPLICATIONS

Horticulture

LUXEON SunPlus 3030 product performance at 65mA, T_j=25°C

| NOMINAL CCT ^[1] | MINIMUM CRI ^[2, 3] | PPF (μmol/s) ^[2, 3, 4] in PAR (400 to 700nm) | | PPF/W TYPICAL (μmol/J) | PART NUMBER |
|----------------------------|-------------------------------|---|---------|------------------------|--------------------|
| | | MINIMUM | TYPICAL | | |
| 2200K | 70 | 0.422 | 0.464 | 2.634 | L130-2270HA30000B1 |
| 3000K | 70 | 0.443 | 0.487 | 2.762 | L130-3070HA30000B1 |
| 3500K | 70 | 0.455 | 0.500 | 2.839 | L130-3570HA30000B1 |
| 4000K | 70 | 0.458 | 0.503 | 2.858 | L130-4070HA30000B1 |
| 5000K | 70 | 0.466 | 0.512 | 2.906 | L130-5070HA30000B1 |
| 5700K | 70 | 0.466 | 0.512 | 2.904 | L130-5770HA30000B1 |
| 6500K | 70 | 0.468 | 0.514 | 2.919 | L130-6570HA30000B1 |
| 2700K | 80 | 0.438 | 0.481 | 2.732 | L130-2780HA30000B1 |
| 3000K | 80 | 0.448 | 0.492 | 2.793 | L130-3080HA30000B1 |
| 3500K | 80 | 0.45 | 0.494 | 2.806 | L130-3580HA30000B1 |
| 4000K | 80 | 0.459 | 0.505 | 2.865 | L130-4080HA30000B1 |
| 5000K | 80 | 0.46 | 0.506 | 2.871 | L130-5080HA30000B1 |
| 5700K | 80 | 0.453 | 0.498 | 2.826 | L130-5780HA30000B1 |
| 6500K | 80 | 0.463 | 0.509 | 2.889 | L130-6580HA30000B1 |
| 2700K | 90 | 0.42 | 0.462 | 2.622 | L130-2790HA30000B1 |
| 3000K | 90 | 0.426 | 0.469 | 2.660 | L130-3090HA30000B1 |
| 3500K | 90 | 0.429 | 0.472 | 2.679 | L130-3590HA30000B1 |
| 4000K | 90 | 0.437 | 0.481 | 2.729 | L130-4090HA30000B1 |
| 5000K | 90 | 0.435 | 0.478 | 2.714 | L130-5090HA30000B1 |
| 5700K | 90 | 0.441 | 0.485 | 2.753 | L130-5790HA30000B1 |
| 6500K | 90 | 0.446 | 0.490 | 2.783 | L130-6590HA30000B1 |
| 2200K | 70 | 0.422 | 0.478 | 2.721 | L130-2270HA30000C1 |
| 3000K | 70 | 0.443 | 0.497 | 2.830 | L130-3070HA30000C1 |
| 3500K | 70 | 0.455 | 0.505 | 2.877 | L130-3570HA30000C1 |
| 4000K | 70 | 0.458 | 0.507 | 2.888 | L130-4070HA30000C1 |
| 5000K | 70 | 0.466 | 0.514 | 2.929 | L130-5070HA30000C1 |
| 5700K | 70 | 0.466 | 0.515 | 2.934 | L130-5770HA30000C1 |
| 6500K | 70 | 0.468 | 0.515 | 2.934 | L130-6570HA30000C1 |
| 2700K | 80 | 0.438 | 0.485 | 2.763 | L130-2780HA30000C1 |
| 3000K | 80 | 0.448 | 0.494 | 2.815 | L130-3080HA30000C1 |
| 3500K | 80 | 0.45 | 0.501 | 2.855 | L130-3580HA30000C1 |
| 4000K | 80 | 0.459 | 0.512 | 2.916 | L130-4080HA30000C1 |
| 5000K | 80 | 0.46 | 0.512 | 2.916 | L130-5080HA30000C1 |
| 5700K | 80 | 0.453 | 0.504 | 2.872 | L130-5780HA30000C1 |
| 6500K | 80 | 0.463 | 0.518 | 2.952 | L130-6580HA30000C1 |
| 2700K | 90 | 0.42 | 0.463 | 2.638 | L130-2790HA30000C1 |
| 3000K | 90 | 0.426 | 0.476 | 2.712 | L130-3090HA30000C1 |
| 3500K | 90 | 0.429 | 0.472 | 2.687 | L130-3590HA30000C1 |
| 4000K | 90 | 0.437 | 0.484 | 2.758 | L130-4090HA30000C1 |
| 5000K | 90 | 0.435 | 0.486 | 2.769 | L130-5090HA30000C1 |
| 5700K | 90 | 0.441 | 0.491 | 2.798 | L130-5790HA30000C1 |
| 6500K | 90 | 0.446 | 0.497 | 2.832 | L130-6590HA30000C1 |

Notes:

1. Correlated color temperature is not targeted at T_j=25°C.
2. Luminous flux and CRI are specified at T_j=25°C. Typical CRI is approximately 2 points higher than the minimum CRI specified, but this is not guaranteed.
3. Lumileds maintains a tolerance of ±2 on CRI and ±7.5% on PPF.
4. PPF data is calculated from luminous flux measurements.

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