





LUXEON® SkyBlue™

LUXEON SkyBlue is a complete LED circadian lighting solution that delivers superior melanopic ratios at comfortable CCTs



The LUXEON SkyBlue solution is comprised of LUXEON SkyBlue and white LUXEON 3030 HE Plus LEDs that are factory matched to provide optimal melanopic ratio, superior efficacy, and light output with exceptional uniformity. Available in CCTs of 3000K, 3500K, and 4000K, each kit simplifies the analysis and engineering necessary to produce a circadian illumination system.

FEATURES AND BENEFITS	PRIMARY APPLICATION
Superior melanopic ratio, high-efficacy circadian lighting	Healthcare Settings
Unmatched ease of use and time to market	Schools
Industry standard 3030 packaging allows simple design-in	Factories
Seamless connection between lighting specification, fixture performance and LED selection	Offices
Very high CRI, R9, low cyanosis observation index	
Lighting uniformity within a 3 MacAdam ellinse color space	



LUXEON SkyBlue Kit product performance at 50mA, T_i= 55°C.

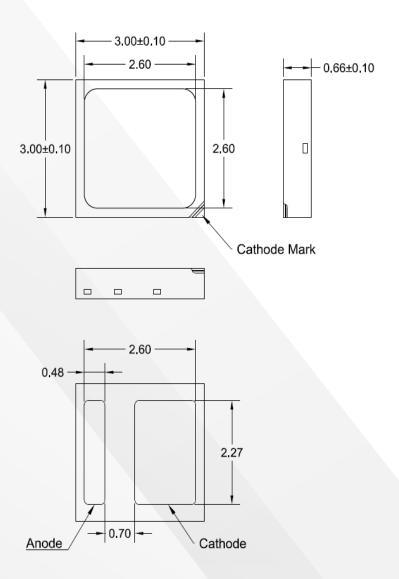
NOMINAL CCT	TYPICAL M/P RATIO		CRI/R9	TYPICAL LUMINOUS	TYPICAL LUMINOUS	LUXEON SKYBLUE KIT PART NUMBER [3]
	MDER [1]	MEER [2]		EFFICACY	FLUX	PART NOWIDER
3000K	0.67	0.74	83/90	148	58	L130-3080HA30SBB30
3500K	0.76	0.84	85/90	158	62	L130-3580HA30SBB30
4000K	0.85	0.94	85/90	160	64	L130-4080HA30SBB30

- Notes:

 1. Melanopic daylight (D65) efficacy ratio, as defined in CIE S026/E:2018 clause 3.10. Melanopic equivalent daylight (D65) illuminance = photopic illuminance (Ev) * melanopic DER.

 2. Melanopic equi-energy (E) efficacy ratio. Not standardized but derived from the informative annex A.3. of CIE S 026/E:2018, using the equi-energy spectrum.
- Additional Kits are available to serve legacy designs. Please contact sales for more information.

Mechanical Dimensions



- Drawings are not to scale.
- All dimensions are in millimeters. Tolerance: ±0.10mm.

©2021 Lumileds Holding B.V. All rights reserved. LUXEON is a registered trademark of the Lumileds Holding B.V. in the United States and other countries.

lumileds.com

Neither Lumileds Holding B.V. nor its affiliates shall be liable for any kind of loss of data or any other damages, direct, indirect or consequential, resulting from the use of the provided information and data. Although Lumileds Holding B.V. and/or its affiliates have attempted to provide the most accurate information and data, the materials and services information and data are provided "as is," and neither Lumileds Holding B.V. nor its affiliates warrants or guarantees the contents and correctness of the provided information and data. Lumileds Holding B.V. and its affiliates reserve the right to make changes without notice. You as user agree to this disclaimer and user agreement with the download or use of the provided materials, information and data. A listing of Lumileds product/patent coverage may be accessed at lumileds.com/patents.