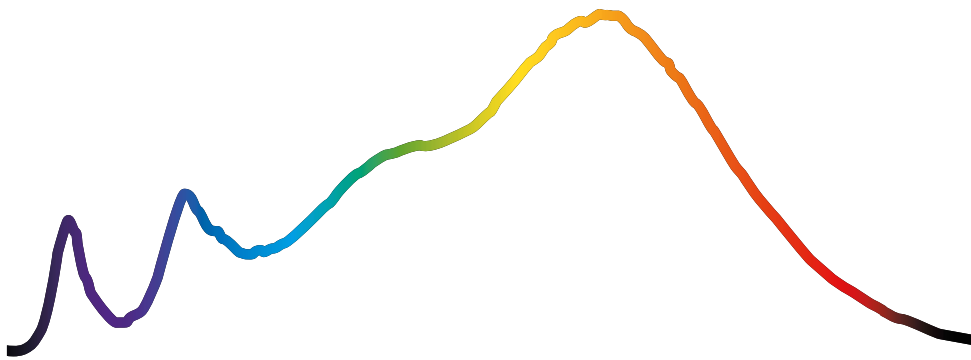
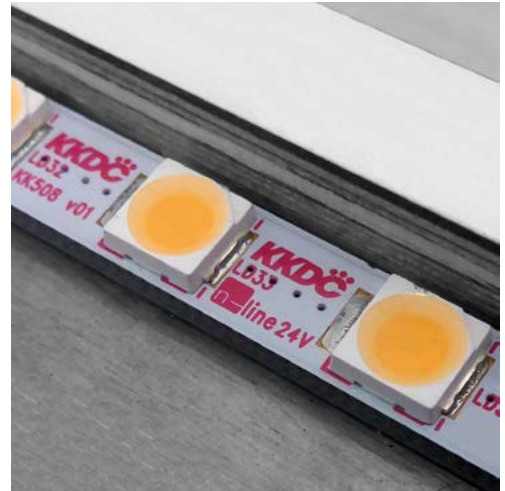




n-line



s-line



n-line Full Spectrum LED

Emitting light across the entire visible spectrum.
 Allowing objects to appear as they would naturally under daylight.

Chip	Toyoda Gosei
Compatible Series	TiMi/LiNi/TANA/PICO/MiMi/KKSL/MoMo/SUMO
Available Strips	504/508/P-FX
Colours	2700K/3000K
CRI	R _a 95 R _g 80
TM-30-15	R _f 95 R _g 101
Bin/Step	3 Step MacAdam ellipse

n-line technology

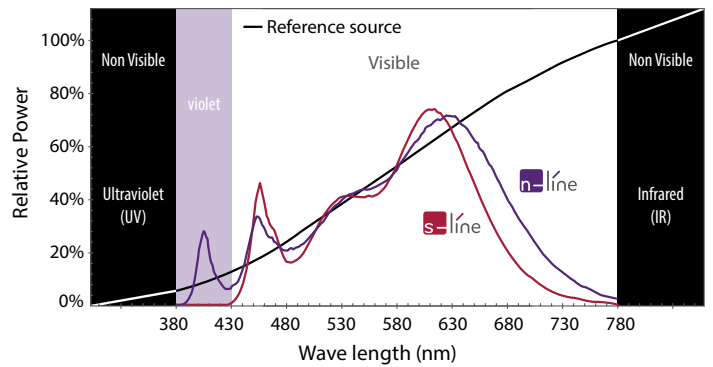


NO UV content above 400nm
NO IR content below 780nm

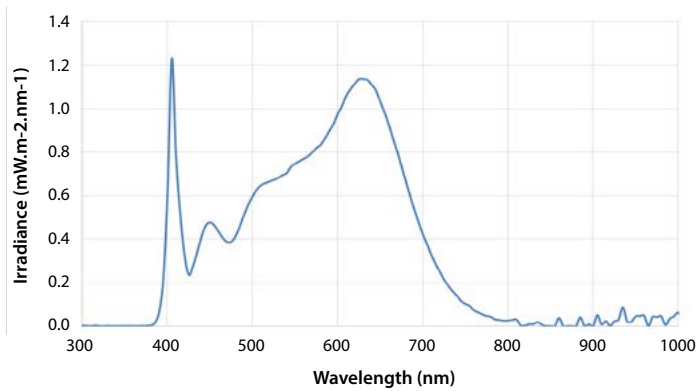
Ultra violet and Infra red light can damage colour pigments, material finishes, or even skin. KKDC has carefully developed n-line Full Spectrum LED technology to ensure there is **no UV or IR** detected in the illuminated output.

Independent and recognised laboratory testing (including **Photo-Biological** tests), confirms that n-line does not contain any IR, UV, UVA or UVb, ensuring n-line Full Spectrum LED is suitable for organic pigments found in delicate Artworks and sensitive materials prone to fading.

Spectral Power Distribution Comparison



n-line Spectral irradiance

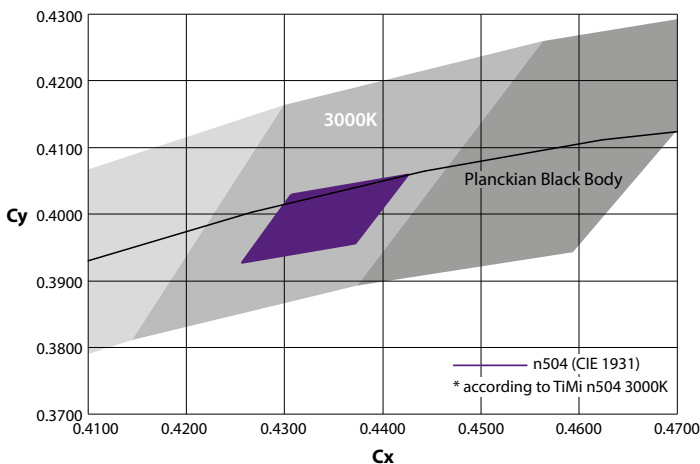


Irradiance measured at 200mm from apparent source location.



KKDC Catalogue 3.0 cover pattern demonstrates that a full spectrum source (like daylight or n-line) shows distinction between two white hues, where standard LED's and narrow spectrum lighting makes the two whites appear the same.

Bin Location Diagram



In addition to the accurate illumination of whites, n-line also produces excellent results lighting colours such as yellow, brown & pink to closely match as they would appear under sunlight.



Photo-Biological test certification



n-line technology conforms to Photobiological test Standard IEC 62471:2006

