

Main features

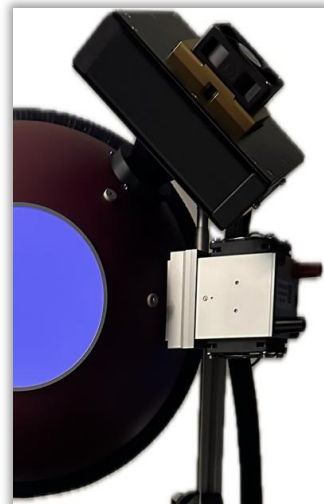
- Qualification & Reliability of the choice of LED components
- Multispectral Source > 50 channels
- Compactness & Price
- Excellent Stability of radiance
- Individual control of each channels!
- **VIS-NIR: 360 to 1000nm**
- Illuminants preset A, D50, D65
- External power supply and DC drive to ensure stability
- USB or Ethernet interface with HMI developed under python

Applications & Markets

- Automotive, Aeronautics
- Environment
- Defense
- Quality and Metrological Control

Main analyses

- Characterization of sensors, detectors, photoreceptors, radiometers, spectroradiometers...




Uniform LED source

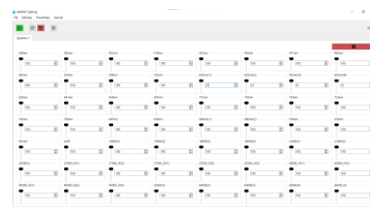
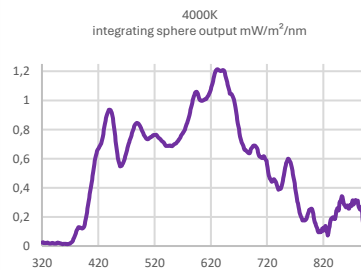
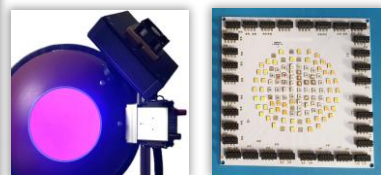
Multispectral allowing at an attractive price to retrofit your current halogen or equivalent technology, to complement your current source. This source is placed on a second port opening of your integrating sphere in order to adjust your spectral energy luminance ($W/m^2/sr/nm$)

With this tunable source, you obtain a spectrally programmable spatially uniform field at the sphere output, with the possibility of varying the many available wavelengths (>50), achieving uniformities on your sensor of up to 99%.

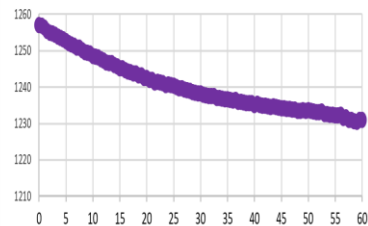
You can create and load other profiles to share your favorite settings and adjustments.

5 year standard warranty + 2 years optional

Optical performance	Colors						
	Standard wavelengths (1)	Adjustable VIS-NIR spectrum over 50 wavelengths of your choice 368-382-401-414-425-436-477-482-492-529-LIME-590-592-603-628-641-659-697-715-730-754-755-766-796-847-869-900-918-936-983 1800-2200-2300-2700-4000-6000K					
	Available whites (CCT)	3000K - 5000K (Option: 3500K)					
	FWHM (nm)	20-30					
	Uniformity on exit of sphere	Up to 0.99					
	Luminance on exit of sphere	Up to 100,000 cd/m ²					
		1800K	2200K	2700K	4000K	6000K	Lime
	Irradiance at the output of the tunable ARDL14 source without diffuser	83W/m ²	52W/m ²	112W/m ²	117W/m ²	120W/m ²	23W/m ²
		UV 368-382nm	Blue 400-492nm	Green 529nm	Red 590-800nm	IR 800-900nm	
		19W/m ²	127W/m ²	15W/m ²	140W/m ²	18W/m ²	
Diffusers	Included in the source output, possibility to change it						
Electronic	Connectors	Sub -D					
	Power supply (2)(3)	230VAC External power supply, continuous or pulsed control					
	Rise/fall time	Not applicable, continuous mode					
	Dimming	1 to 100% using an HMI for each LED					
Miscellaneous	Consumption	1.0W/LED (VISIBLE) 1.5W/LED (NIR) depending on flow and color setting = 10W – 90W					
	Operating temperature	from -20°C to +70°C with 80% humidity without condensation					
	Dimensions mm	200x200 light engine					
	Mass (g)	8500					



Source stability over 1H in cd at 1m

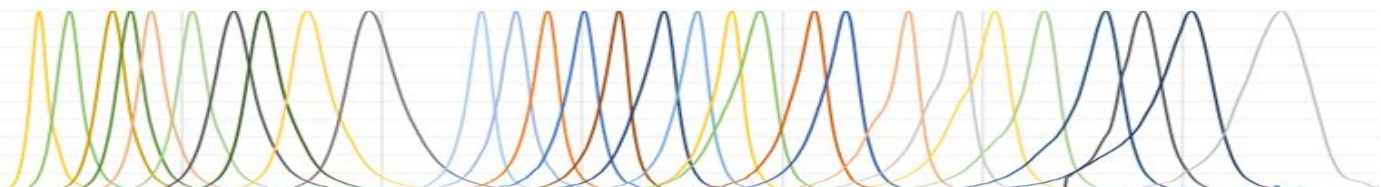


Important Notes

(1) Peak wavelength +/-5nm

(2) Continuous mode without switching power supply at the LED level, ensuring very low dimming possible (<1% in some cases)

(3) Natural dissipation for powers lower than 50% of the flux, forced and active dissipation for high powers



These specifications are subject to change without notice.