

### Key features

- **Intense illuminance**  
Up to 1 Million lux
- **IES et STEP files** available
- Standard monochromatic wavelengths R,G,B, W
- External power supply **CW or PWM tunable**
- Multiple choices of lenses and diffusers to optimize illuminance (lux) or Irradiance ( $W/m^2$ ) according to required distance and beam shape
- USB or Ethernet interface with HMI developed in Python for an intuitive user experience

### Main applications

- Industrial vision
- Imaging, instrumentation
- Vieillessement
- Quality control (NDT)

### Main analyses

- Materials inspection
- Assembly, verification




High-illumination multispectral LED lighting solutions for solar simulation by providing **D50**, **D65** spectra, with illumination levels from 150klx to 1MLx, and for surfaces larger than 1m<sup>2</sup>.

Multispectral LED floodlights are available in various sizes and wavelengths (from 4 to 40 waves) to serve a wide range of industrial markets, such as food processing, agriculture, environment, semiconductor, waste sorting, watchmaking, and many others where machine vision is essential, whether in France or worldwide.

Systems can be cascaded in series, with no volume limits.

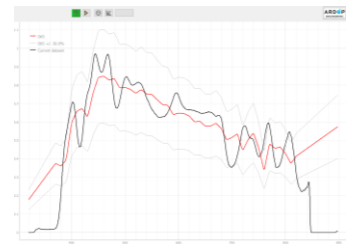
Our LED are sourced from several manufacturers. They are individually selected, sorted & characterized to ensure tracking and traceability to optimize the speed, resolution and precision of your inspections. .

**5-year std warranty + 2-year option**

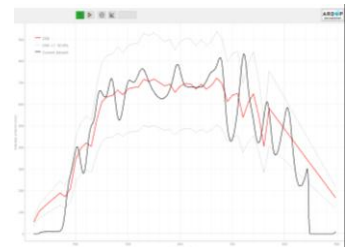
<b>Optical performance</b>	Couleurs				
	Standard wavelengths <sup>(1)</sup> (nm)	385, 395, 405, 425, 440, 470, 505, 530, 590, 675, 715, 730, 760, 800, 850, 900, 940, 980nm, 3000K, 4400K			
	Available White (CCT)	3000K – 4000K – 5000K – 6000K (Options: 1800K – 2200K – 2700K – 3500K)			
	FWHM (nm)	20-30			
	Illuminance <sup>(2)</sup> @1m (Lenses 30°) <sup>(3)</sup> 2 floodlights 400x400mm	III A	D50	D65	Flat spectrum E
		6 800lx	50 000lx	52 000lx	34 000lx
	Lenses*	+/-7° et +/-15°			
	Diffusers	PMMA transparent, semi diffused, diffused and polarized			
<b>Electronics</b>	Connectors	Sub-D			
	Power supply <sup>(4)</sup> <sup>(5)</sup>	230VAC External power supply, continuous or pulsed control			
	Rise/Fall time	Not applicable, continuous mode			
	Dimming	1 à 100% via potentiometer, PWM ou IHM			
<b>Other</b>	Consumption	1,0W/LED (VISIBLE) 1,5W/LED (NIR) depending on flux and color setting = 10W - 90W			
	Operating Temperature**	from -20°C to +70°C with 80% humidity non-condensing			
	Dimensions (mm)*	100x100, 200x200, 400x400			
	Weight (g) +/-10%	<10000			
	IP code	IP54			



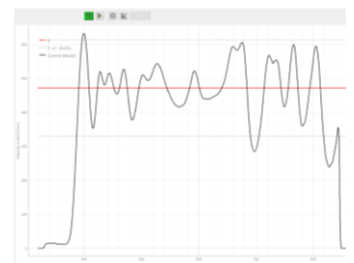
## Examples of spectrum



D65 - 52klx – 6571K – CRI97



D50 - 50klx – 5014K – CRI97



E - 34klx – 5607K – CRI93

### Important notes

- (1) Peak wavelength +/-5nm
- (2) Minimum measured values
- (3) Enhanced performance with 15° lenses (+/-7°)
- (4) Continuous mode with no switching power supply at LED level, ensuring very low dimming (<1% in some cases).
- (5) Natural dissipation for powers below 50% of flux, forced and active dissipation for high powers

(\*) Outside dimensions contact Ardup lighting  
(\*\*) BAR311 X-TREM at -60° contact Ardup lighting

## Spectrum measured on ARDOP Lighting products



Specifications subject to change without notice.