

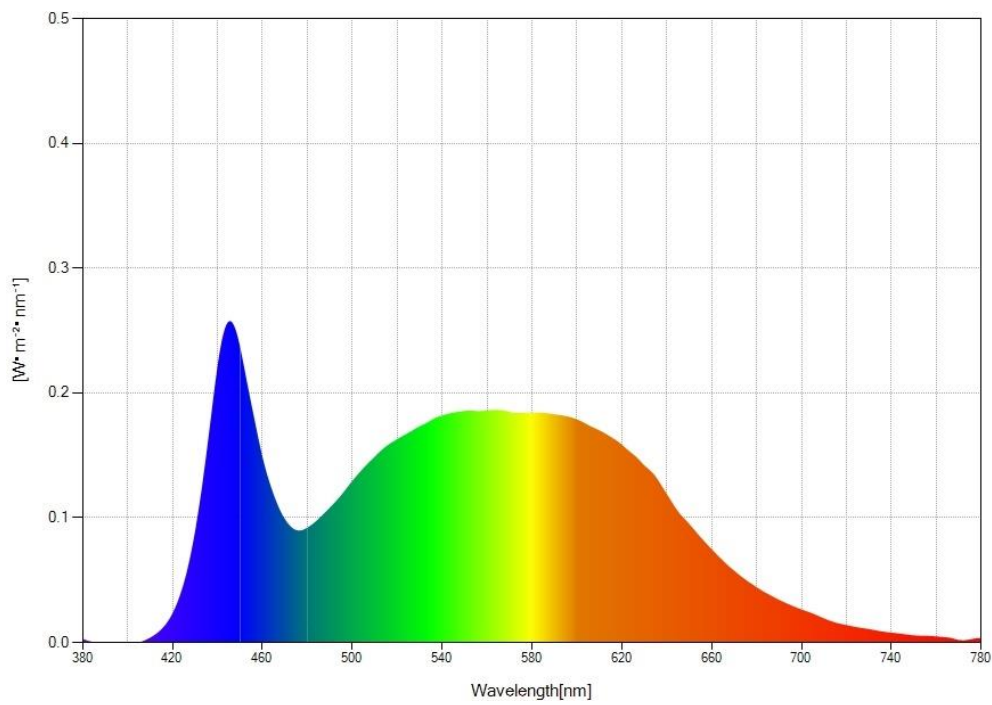
Flare light source for Flare setup FLARE_SOURCE_001



General specifications	
DXOMARK Image Labs reference	FLARE_SOURCE_001
Dimensions	L 135 x W 33 x H 295 mm
Material	Aluminum
Color	Black
Weight	1.2 kg
HS Code	9405.91.9000
Country of origin	FRANCE

Description
The Flare light source for Flare setup is designed to be used on the motorized rotary bench (COMPASS_001). It will be used to measure flare artifacts in cameras following DXOMARK protocols by enabling a light source to rotate around a device under test. The light source simulates approximately the sun in the visible spectral range.

Light source specifications	
Light type	Collimated high-power LED
Colour temperature	[5000; 5500] K
CRI	85
Illuminance	>10000 lx
Apparent diameter of the light source (width)	0.95°
Light beam diameter on the device under test at measurement position	25 mm
Virtual picture distance	Focus to infinity
Uniformity (Area of interest inside a 10 mm diameter circle concentric with the beam diameter on the DUT)	98%
Input	100-240 VAC, 50/60 Hz, 1.3 A
Output	24 V, 3.75 A, 90 W Max
LED lifetime	50000 h



Spectrum of the light source