

Report of Photometry & Chromaticity for Light Source

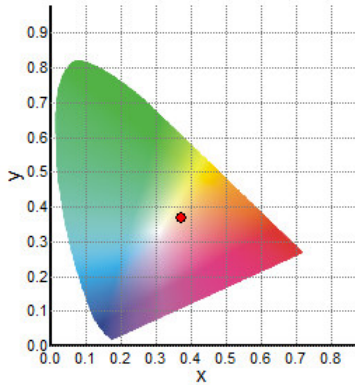


Product Description

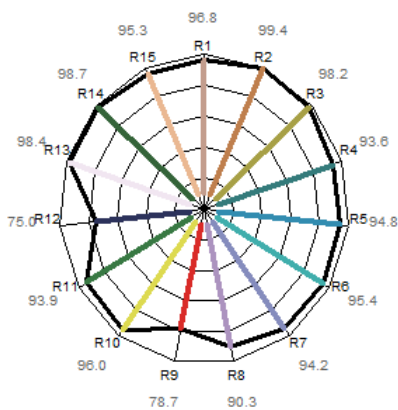
Product Name	BioLicht TRICOLOR 4000K		
Sample Number	0002		
Date(YYYY/MM/DD)	2023/1/31 18:40:32		
Manufacturer			
Tester			
Temperature(°C)	29	Re. Humidity(%)	35
Reviewer	Martin Schaufelberger		

Photometry and Chromaticity

CIE_x	0.3710	Duv	-0.0014
CIE_y	0.3677	λ_d (nm)	579.2
CIE_u'	0.2225	Purity(%)	22
CIE_v'	0.4961	FWHM(nm)	234
CCT(K)	4205	SP ratio	1.90
Illuminance(lx)	235	PPFD 400-700nm($\mu\text{mol}/\text{m}^2 \text{ s}$)	3.70
λ_p (nm)	455	CRI(Ra)	95
TLCI(Qa)	94.9	GAI	81.6
GAI BB8	99	GAI BB15	103
TM-30 Rf	90	TM-30 Rg	98



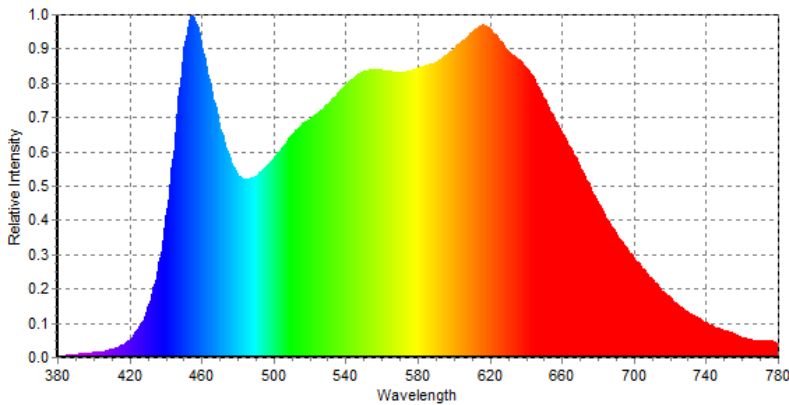
CIE1931 Chromaticity Diagram



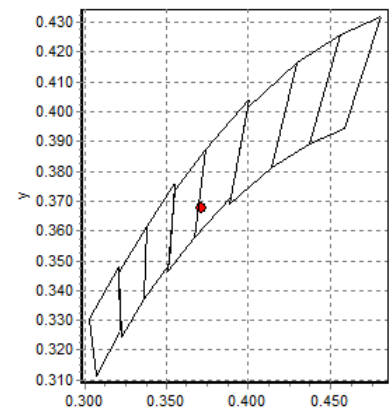
Radar Diagram of CRI

CQS-Qa	93	Re(thru R1~R15)	93
R1	96.8	R6	95.4
R2	99.4	R7	94.2
R3	98.2	R8	90.3
R4	93.6	R9	78.7
R5	94.8	R10	96.0
		R11	93.9
		R12	75.0
		R13	98.4
		R14	98.7
		R15	95.3

Flicker Frequency(Hz)	149	Flicker %	2
Flicker Index	0.01		



Spectral Distribution



C78.377-2008