

Report of Photometry & Chromaticity for Light Source

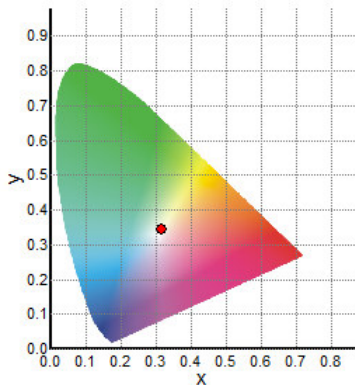


Product Description

Product Name	BioLicht TRICOLOR 6500K		
Sample Number	0003		
Date(YYYY/MM/DD)	2023/1/31 18:28:43		
Manufacturer			
Tester			
Temperature(°C)	29	Re. Humidity(%)	35
Reviewer	Martin Schaufelberger		

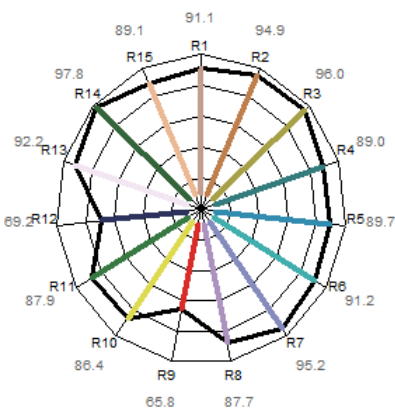
Photometry and Chromaticity

CIE_x	0.3181	Duv	0.0071
CIE_y	0.3420	λ_d (nm)	499.2
CIE_u'	0.1967	Purity(%)	5
CIE_v'	0.4759	FWHM(nm)	40
CCT(K)	6157	SP ratio	2.33
Illuminance(lx)	222	PPFD 400-700nm($\mu\text{mol}/\text{m}^2 \text{ s}$)	3.43
λ_p (nm)	454	CRI(Ra)	92
TLCI(Qa)	94.4	GAI	89.3
GAI BB8	93	GAI BB15	97
TM-30 Rf	89	TM-30 Rg	96



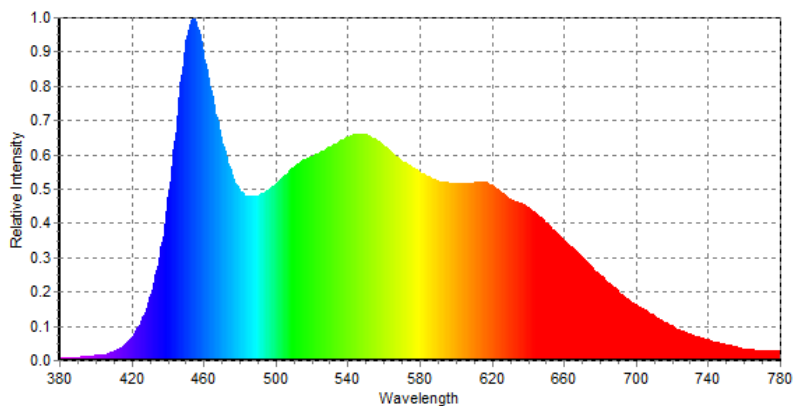
CIE1931 Chromaticity Diagram

CQS-Qa	91	Re(thru R1~R15)	88
R1	91.1	R6	91.2
R2	94.9	R7	95.2
R3	96.0	R8	87.7
R4	89.0	R9	65.8
R5	89.7	R10	86.4
R11	87.9	R11	87.9
R12	69.2	R12	69.2
R13	92.2	R13	92.2
R14	97.8	R14	97.8
R15	89.1	R15	89.1

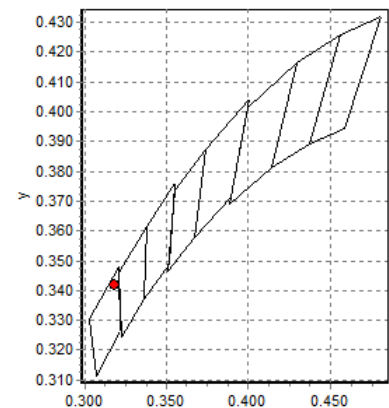


Radar Diagram of CRI

Flicker Frequency(Hz)	151	Flicker %	1
Flicker Index	0.01		



Spectral Distribution



C78.377-2008