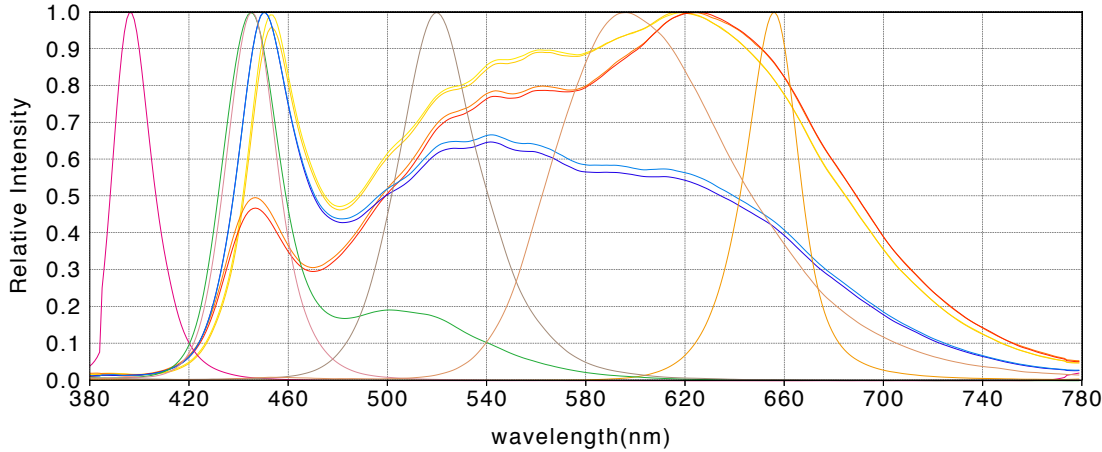


Product information and test conditions

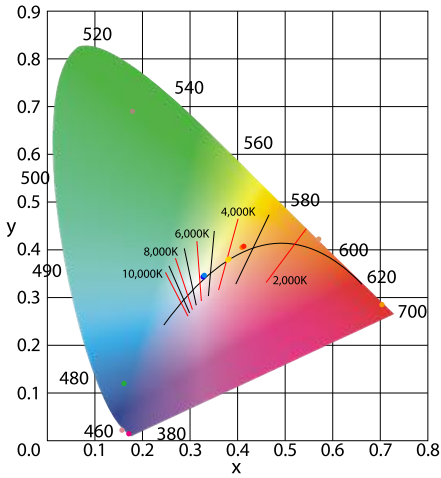
Report Title Relio² Light Quality Reports - v1.00

Report Date 2018-12-03 16:06:22 (GMT+1)

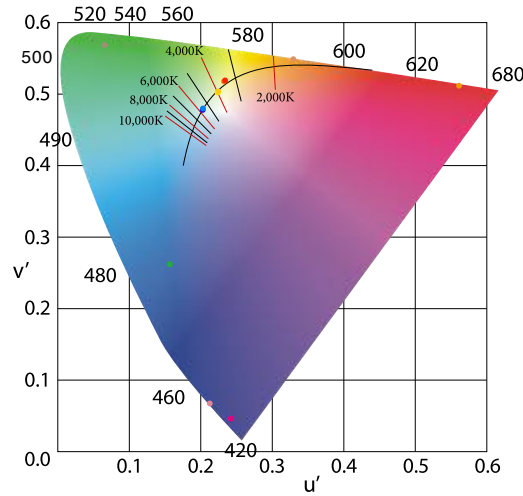
Spectrum



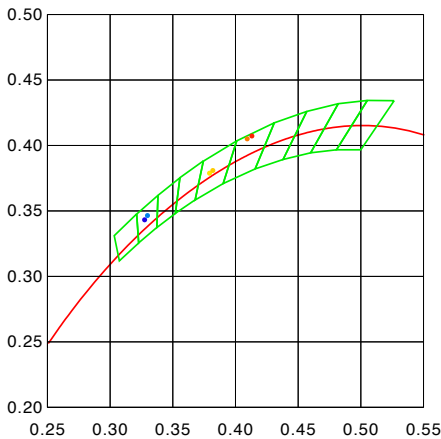
CIE 1931



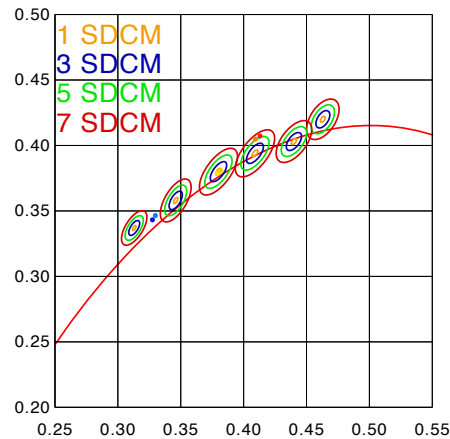
CIE 1976



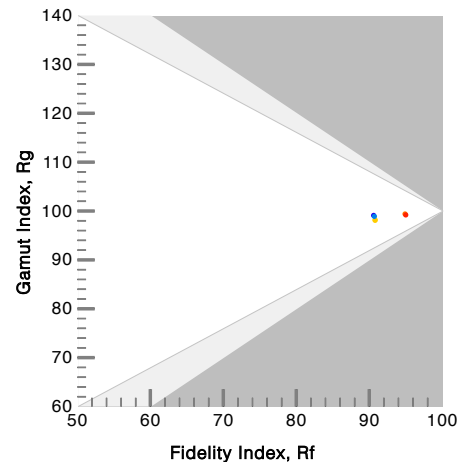
C78.377 - 2017



IEC-SDCM



TM-30-15



	CIE_x	CIE_y	CIE_u'	CIE_v'	CCT	Duv	CRI (Ra)	CRI (Re)
● 4K#1	0.3793	0.3788	0.2235	0.5023	4047 K	0.0013	95	92
● 4K#2	0.3819	0.3809	0.2244	0.5036	3990 K	0.0016	95	92
● Art#1	0.4094	0.4051	0.2325	0.5177	3527 K	0.0053	95	93
● Art#2	0.4131	0.4073	0.2340	0.5191	3468 K	0.0054	95	93
● Studio#1	0.3275	0.3432	0.2027	0.4779	5719 K	0.0034	93	90
● Studio#2	0.3298	0.3465	0.2030	0.4799	5616 K	0.0040	93	90
● UV 395#1	0.1713	0.0146	0.2420	0.0464	N/A	N/A	N/A	N/A
● Hyper Red#1	0.7035	0.2852	0.5611	0.5118	N/A	N/A	N/A	N/A
● Light Blue#1	0.1612	0.1199	0.1567	0.2621	N/A	N/A	N/A	N/A
● Green#1	0.1790	0.6902	0.0655	0.5686	N/A	N/A	N/A	N/A
● Royal Blue#1	0.1569	0.0221	0.2126	0.0674	N/A	N/A	N/A	N/A
● Amber#1	0.5705	0.4224	0.3293	0.5488	1738 K	0.0055	40	26
Max.	0.7035	0.6902	0.5611	0.5686	5719 K	0.0055	95	93
Min.	0.1569	0.0146	0.0655	0.0464	-9999 K	-9999.0000	-9999	-9999
Range	0.5467	0.6756	0.4956	0.5223	15718 K	9999.0055	10094	10092
Avg.	0.3486	0.3180	0.2406	0.4171	-1824 K	-4166.2478	-4116	-4118

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
● 4K#1	96	97	96	95	94	94	97	92	79	91	95	74	96	98	94
● 4K#2	96	97	97	95	94	94	96	91	78	91	95	74	96	98	94
● Art#1	96	95	93	98	95	94	98	94	80	87	98	82	95	96	94
● Art#2	96	95	93	98	95	94	98	94	80	87	98	82	95	96	93
● Studio#1	94	95	94	94	93	91	96	91	72	86	93	74	94	96	93
● Studio#2	93	95	94	94	93	91	96	90	71	86	93	74	94	97	92
● UV 395 #1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
● Hype... #1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
● Light... #1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
● Green#1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
● Roya... #1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
● Amber #1	31	67	82	13	22	50	57	-4	-102	37	-17	4	34	90	27
Max.	96	97	97	98	95	94	98	94	80	91	98	82	96	98	94
Min.	-9999	-9999	-9999	-9999	-9999	-9999	-9999	-9999	-9999	-9999	-9999	-9999	-9999	-9999	-9999
Range	10095	10096	10096	10097	10094	10093	10097	10093	10079	10090	10097	10081	10095	10097	10093
Avg.	-4116	-4113	-4112	-4118	-4117	-4116	-4113	-4121	-4137	-4119	-4120	-4128	-4116	-4111	-4117

	CQS	TLCI(Qa)	GAI	TM-30-15 Rf	TM-30-15 Rg	Illuminance	Foot Candle	PPFD (400- 700nm)
● 4K#1	94	96	77	91	98	39,731 lux	3,691.1 fc	625.44 $\mu\text{mol}/\dots$
● 4K#2	94	96	76	91	98	12,228 lux	1,136.1 fc	192.23 $\mu\text{mol}/\dots$
● Art#1	96	98	63	95	99	49,243 lux	4,574.9 fc	782.25 $\mu\text{mol}/\dots$
● Art#2	96	98	61	95	99	9,030 lux	838.9 fc	143.65 $\mu\text{mol}/\dots$
● Studio#1	92	96	92	91	99	59,607 lux	5,537.7 fc	929.13 $\mu\text{mol}/\dots$
● Studio#2	92	96	91	91	99	11,922 lux	1,107.6 fc	185.14 $\mu\text{mol}/\dots$
● UV 395#1	N/A	N/A	N/A	N/A	N/A	97 lux	9.0 fc	83.03 $\mu\text{mol}/\text{m}^2\text{s}$
● Hyper Red#1	N/A	N/A	N/A	N/A	N/A	3,432 lux	318.9 fc	253.45 $\mu\text{mol}/\dots$
● Light Blue#1	N/A	N/A	N/A	N/A	N/A	5,354 lux	497.4 fc	155.62 $\mu\text{mol}/\dots$
● Green#1	N/A	N/A	N/A	N/A	N/A	8,922 lux	828.9 fc	83.42 $\mu\text{mol}/\text{m}^2\text{s}$
● Royal Blue#1	N/A	N/A	N/A	N/A	N/A	1,862 lux	173.0 fc	237.29 $\mu\text{mol}/\dots$
● Amber#1	14	18	2	43	48	6,828 lux	634.4 fc	97.22 $\mu\text{mol}/\text{m}^2\text{s}$
Max.	96	98	92	95	99	59607	5537.7 fc	929.13 $\mu\text{mol}/\text{m}^2\text{s}$
Min.	-9999	-9999	-9999	-9999	-9999	97	9.0 fc	83.03 $\mu\text{mol}/\text{m}^2\text{s}$
Range	10095	10097	10091	10094	10098	59510	5528.7 fc	846.10 $\mu\text{mol}/\text{m}^2\text{s}$
Avg.	-4118	-4116	-4128	-4117	-4113	17355	1612.3 fc	313.99 $\mu\text{mol}/\text{m}^2\text{s}$

	λ_p	λ_D	Purity (Pe)	SP Ratio
● 4K#1	619 nm	578 nm	30 %	1.8
● 4K#2	617 nm	578 nm	30 %	1.8
● Art#1	625 nm	579 nm	40 %	1.6
● Art#2	626 nm	579 nm	50 %	1.6
● Studio#1	451 nm	516 nm	0 %	2.2
● Studio#2	451 nm	538 nm	0 %	2.2
● UV 395#1	396 nm	433 nm	100 %	24.2
● Hyper Red#1	657 nm	637 nm	100 %	0.1
● Light Blue#1	445 nm	472 nm	80 %	6.6
● Green#1	520 nm	526 nm	70 %	2.9
● Royal Blue#1	446 nm	452 nm	100 %	23.8
● Amber#1	597 nm	590 nm	100 %	0.4
Max.	657 nm	637 nm	1 %	24.2
Min.	396 nm	433 nm	0 %	0.1
Range	261 nm	205 nm	1 %	24.1
Avg.	538 nm	540 nm	1 %	5.8