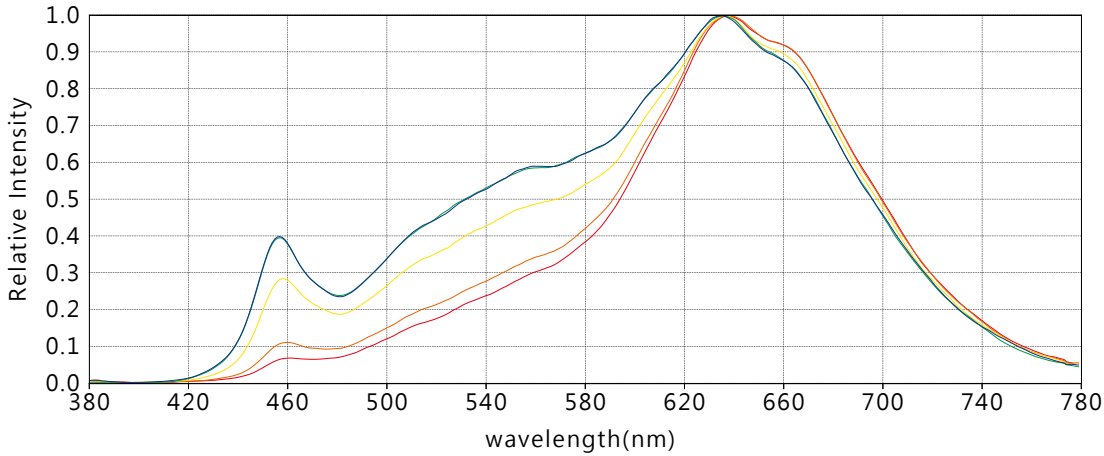


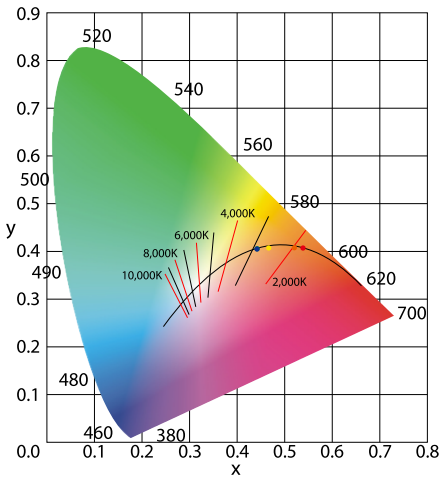
Product information and test conditions

Name	ALS ELRS-DTW		
Time	2020-07-27 22:27:26(Time-zone GMT+8)		
Manufacturer	ALS		
User	TomTiger (info@ledclusive.de)		
Temperature(°C)	24	Humidity(%)	64
		Distance(m)	0

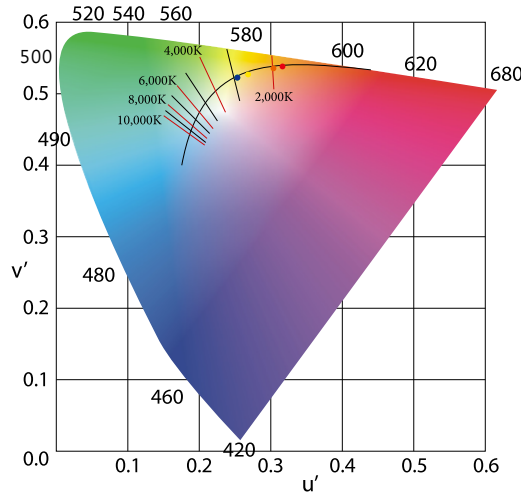
Spectrum



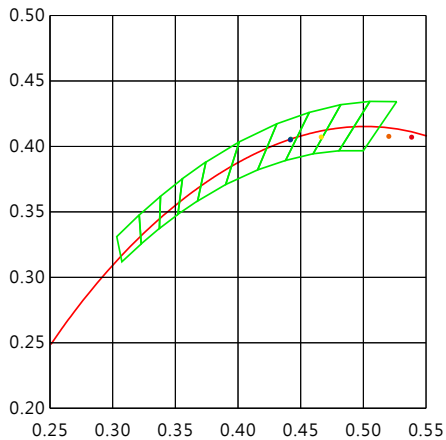
CIE 1931



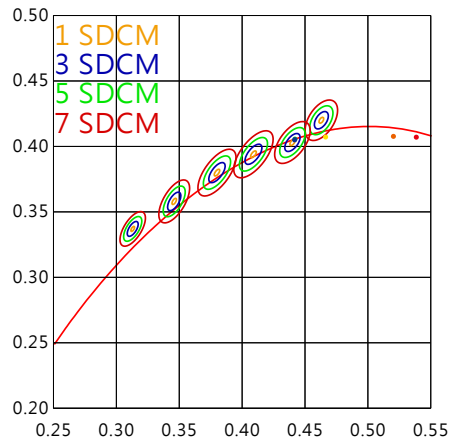
CIE 1976



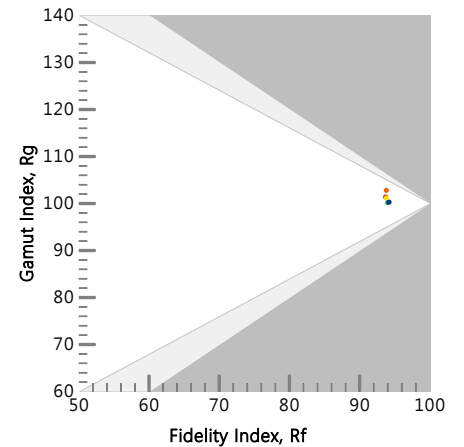
C78.377 - 2017



IEC-SDCM



TM-30-18



	CIE_x	CIE_y	CIE_u'	CIE_v'	CCT	Duv	CRI (Ra)
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #1	0.5385	0.4071	0.3164	0.5382	1870 K	-0.0011	94
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #2	0.5203	0.4077	0.3038	0.5355	2017 K	-0.0019	94
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #3	0.4664	0.4072	0.2683	0.5270	2585 K	-0.0017	95
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #4	0.4420	0.4056	0.2532	0.5227	2928 K	-0.0000	97
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #5	0.4417	0.4050	0.2533	0.5225	2928 K	-0.0002	97
Max.	0.5385	0.4077	0.3164	0.5382	2928 K	-0.0000	97
Min.	0.4417	0.4050	0.2532	0.5225	1870 K	-0.0019	94
Range	0.0968	0.0027	0.0632	0.0157	1058 K	0.0019	3
Avg.	0.4818	0.4065	0.2790	0.5292	2466 K	-0.0010	95

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #1	94	95	98	92	92	88	96	97	94	92	84	7
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #2	93	95	99	92	91	88	97	99	98	90	85	7
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #3	93	96	98	94	93	93	98	95	89	93	90	8
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #4	96	99	96	97	97	97	98	96	94	99	95	8
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #5	96	99	96	97	97	97	99	97	94	99	95	8
Max.	96	99	99	97	97	97	99	99	98	99	95	8
Min.	93	95	96	92	91	88	96	95	89	90	84	7
Range	3	4	2	5	6	9	3	4	9	9	11	1
Avg.	95	97	98	94	94	93	98	97	94	95	90	8

	CQS	TLCI(Qa)	GAI	TM-30-18 Rf	TM-30-18 Rg	Illuminance
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #1	97	95	23	94	101	1,823 lux
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #2	97	96	30	94	103	2,582 lux
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #3	98	99	49	94	101	9,274 lux
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #4	97	99	56	94	100	22,073 lux
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #5	98	99	57	94	100	22,084 lux
Max.	98	99	57	94	103	22084
Min.	97	95	23	94	100	1823
Range	1	4	34	1	3	20261
Avg.	97	97	43	94	101	11567

	Foot Candle	PPFD (400- 700nm) $\mu\text{mol}/\text{m}^2\text{s}$	λ_p nm	λ_D nm	Purity (Pe) %	SP Ratio
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #1	169.4 fc	40.16 $\mu\text{mol}/\text{m}^2\text{s}$	638 nm	591 nm	80 %	0.9
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #2	239.9 fc	54.62 $\mu\text{mol}/\text{m}^2\text{s}$	639 nm	589 nm	80 %	1.0
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #3	861.5 fc	174.23 $\mu\text{mol}/\text{m}^2\text{s}$	637 nm	585 nm	60 %	1.3
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #4	2,050.7 fc	390.60 $\mu\text{mol}/\text{m}^2\text{s}$	636 nm	583 nm	50 %	1.5
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #5	2,051.6 fc	390.63 $\mu\text{mol}/\text{m}^2\text{s}$	636 nm	583 nm	50 %	1.5
Max.	2051.6 fc	390.63 $\mu\text{mol}/\text{m}^2\text{s}$	639 nm	591 nm	1 %	1.5
Min.	169.4 fc	40.16 $\mu\text{mol}/\text{m}^2\text{s}$	636 nm	583 nm	1 %	0.9
Range	1882.2 fc	350.47 $\mu\text{mol}/\text{m}^2\text{s}$	3 nm	7 nm	0 %	0.5
Avg.	1074.6 fc	210.05 $\mu\text{mol}/\text{m}^2\text{s}$	637 nm	586 nm	1 %	1.2

	Flicker %	Flicker Index	Flicker Freq.
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #1	5 %	0.01	100 Hz
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #2	5 %	0.01	100 Hz
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #3	2 %	0.00	100 Hz
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #4	1 %	0.00	100 Hz
● 2020/07/27 ELRS-DTW mit Originaltreiber (Phas... #5	1 %	0.00	100 Hz
Max.	5 %	0.01	100 Hz
Min.	1 %	0.00	100 Hz
Range	4 %	0.01	1 Hz
Avg.	3 %	0.01	100 Hz