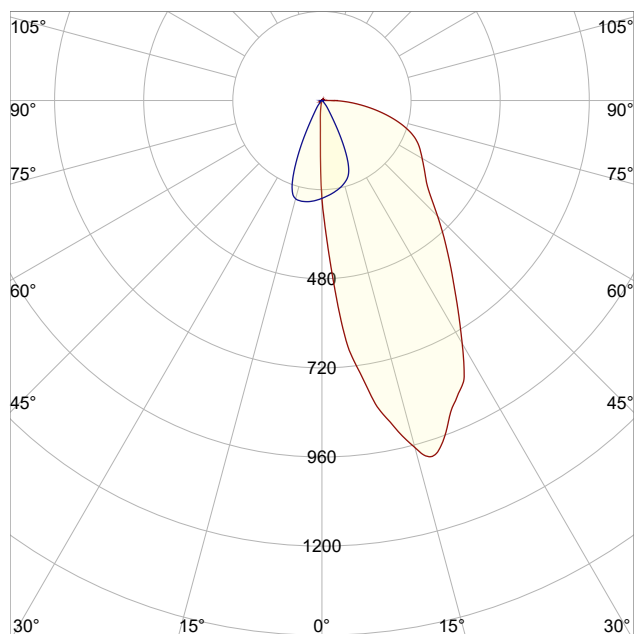
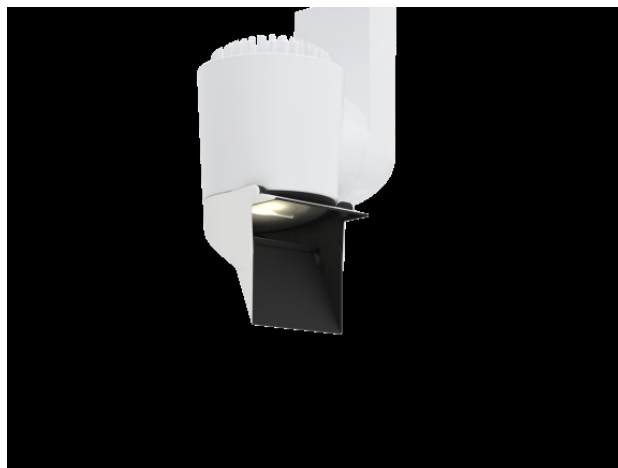
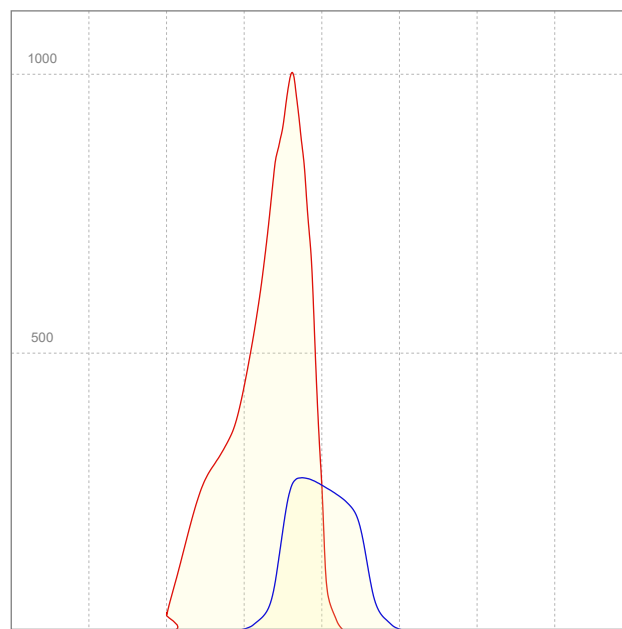


General Discription

Item number	
Date and time	25-8-2025 14:37:58
CCT (Kelvin)	2599 K
Beam angle	37,5° x 50,1°
Luminous flux	884 lm
Efficiency	33 lm/watt
Weighted energy	26,4 kWh/1000h
Power factor	0,95
CRI (RA)	94,8
Fidelity index Rf	Rf 91,4
Gammut index Rg	Rg 103,9
Peak	1012 cd



Polar curve



Linear distribution diagram

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Test Report

LM79-JADE-WALLWASH-2700K-CRI90

Beam details	1m	2m	3m	4m	5m
Lux*	263 lx	66 lx	29 lx	16 lx	11 lx

38,9°

*measured at center of beam

Footcandles*	24,5 fcd	6,1 fcd	2,7 fcd	1,5 fcd	1,0 fcd
Beam width (meter)	0,7 m	1,4 m	2,1 m	2,8 m	3,5 m
Beam width (Feet)	2,3 ft	4,6 ft	6,9 ft	9,3 ft	11,6 ft

Beam intensities																			
1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
263lx	66lx	29lx	16lx	11lx	7lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	19,7ft	23ft	26,2ft	29,5ft	32,8ft	36,1ft	39,4ft	42,7ft	45,9ft	49,2ft	52,5ft	55,8ft	59,1ft	62,3ft	65,6ft
24,5fcd	6,1fcd	2,7fcd	1,5fcd	1fcd	0,7fcd	0,5fcd	0,4fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd

Intensities in 0° c-plane																			
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
263	373	516	664	741	829	885	942	992	999	964	917	885	858	815	755	699	648	602	561
100%	142%	196%	252%	282%	315%	336%	358%	377%	379%	366%	348%	336%	326%	310%	287%	266%	246%	229%	213%

Intensities in 90° c-plane																			
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
263	260	256	252	248	244	239	234	228	220	209	190	163	128	93	64	45	33	26	20
100%	99%	97%	96%	94%	93%	91%	89%	86%	84%	79%	72%	62%	49%	36%	24%	17%	13%	10%	8%

Intensities in 180° c-plane																			
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
263	117	60	40	25	12	5	0	0	0	0	0	0	0	0	0	0	0	0	0
100%	44%	23%	15%	10%	5%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 270° c-plane																			
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
263	267	270	273	275	276	276	275	270	257	232	194	151	109	74	50	37	28	22	17
100%	101%	103%	104%	104%	105%	105%	105%	103%	98%	88%	74%	58%	41%	28%	19%	14%	11%	8%	7%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,9°	78,4°	96,6°	81,0%	62,4%



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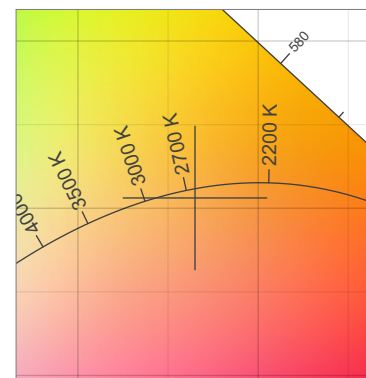
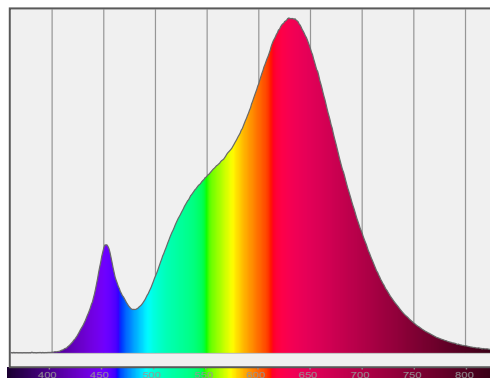
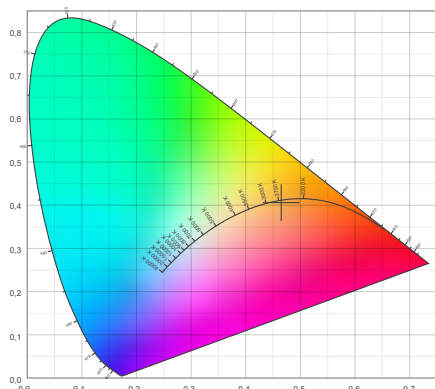
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Test Report

LM79-JADE-WALLWASH-2700K-CRI90

Color details



CIE 1931

x: 0,465



Spectra

CIE 1931 ZOOM

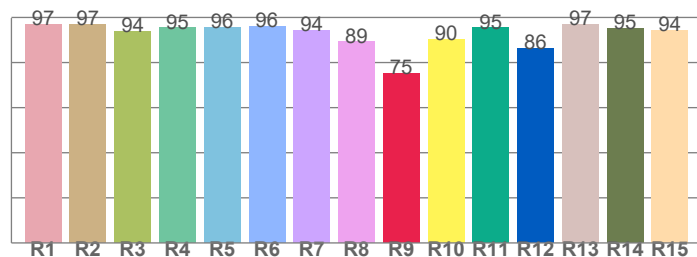
2599 K

y: 0,406

 $\Delta uv: -0,0020$

CRI: 94,8 (R1-R8)

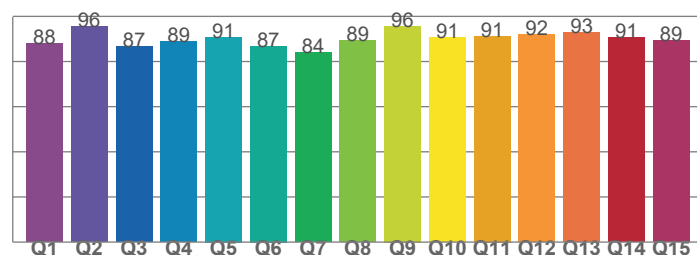
CRI values, R1-R8 are used to calculate final CRI value



R1	R2	R3	R4	R5	R6	R7	R8
96,9	96,9	93,8	95,4	95,8	96,0	94,4	89,2
R9	R10	R11	R12	R13	R14	R15	
75,2	90,2	95,4	86,4	97,0	95,1	94,1	

CQS: 89,6

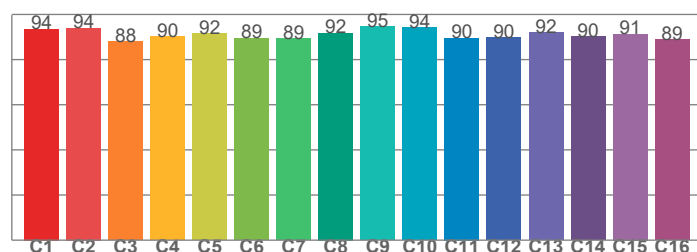
CQS values



Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
88,0	95,6	86,7	89,0	90,9	86,8	84,2	89,4
Q9	Q10	Q11	Q12	Q13	Q14	Q15	
95,7	90,8	91,3	92,0	93,0	90,6	89,3	

TM30: 91,4

TM30 values, 16 binned values out of total of 99 values



C1	C2	C3	C4	C5	C6	C7	C8
93,6	94,0	88,0	90,3	91,5	89,5	89,4	91,8
C9	C10	C11	C12	C13	C14	C15	
94,8	94,3	89,5	89,8	92,0	90,1	91,3	

Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2599 K	94,8	75,2	91,4	103,9	89,6	0,465	0,406	0,268	0,351	-0,0020



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Test Report

LM79-JADE-WALLWASH-2700K-CRI90

TM30 details

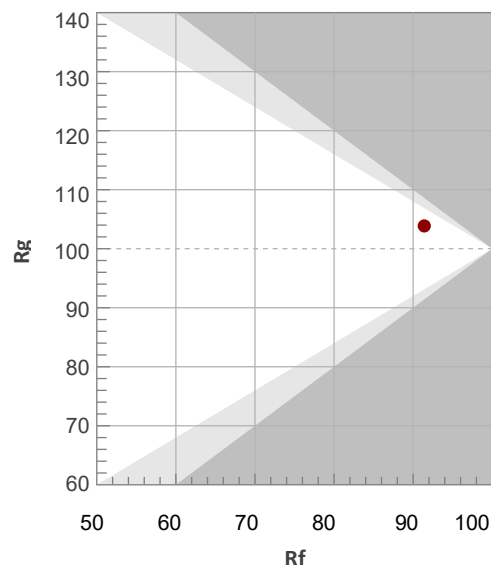
Rf 91,4

Fidelity index Rf

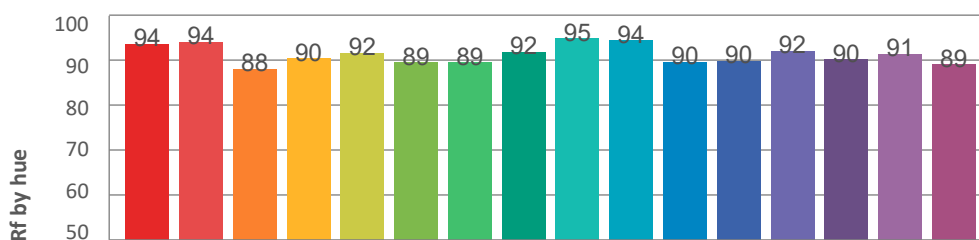
Rg 103,9

Gamut index Rg

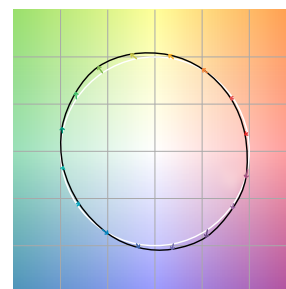
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-3%	-1%
2	94	-2%	3%
3	88	0%	6%
4	90	3%	5%
5	92	6%	5%
6	89	8%	0%
7	89	4%	-5%
8	92	1%	-5%
9	95	-1%	-3%
10	94	-2%	2%
11	90	0%	7%
12	90	3%	3%
13	92	5%	-2%
14	90	6%	-5%
15	91	2%	-5%
16	89	0%	-9%



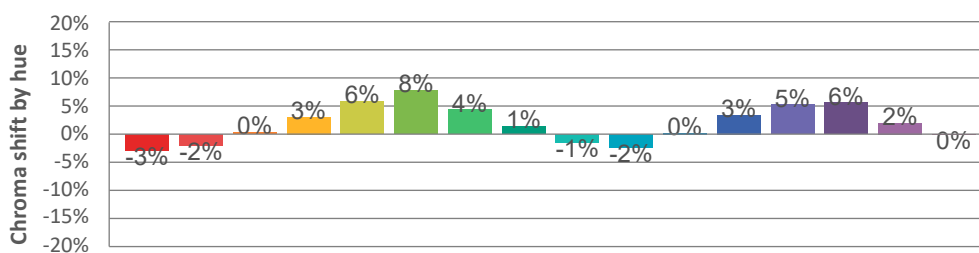
Hue binH



Color vector graphics



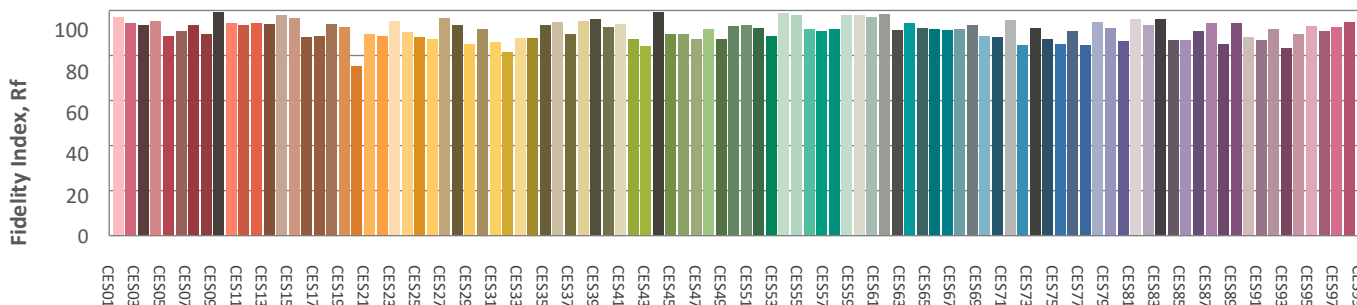
Hue bin



Color distortion graphics



Color Evaluation Sample



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Glare Evaluation According to UGR

p Ceiling	70	70	50	50	30	70	70	50	50	30
p Walls	50	30	50	30	30	50	30	50	30	30
p Floor	20	20	20	20	20	20	20	20	20	20
Room size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
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	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	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	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	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	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	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	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	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	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	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
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	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Variation of the observer position for the luminaire distance S										
n/a	n/a					n/a				
n/a	n/a					n/a				
n/a	n/a					n/a				
Standard table	n/a					n/a				
Correction summand	n/a					n/a				
Corrected glare indices referring to 884lm total luminous flux										