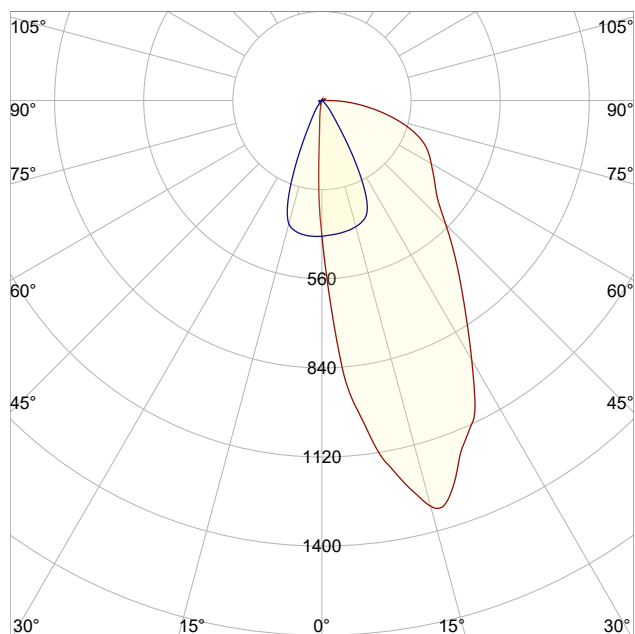
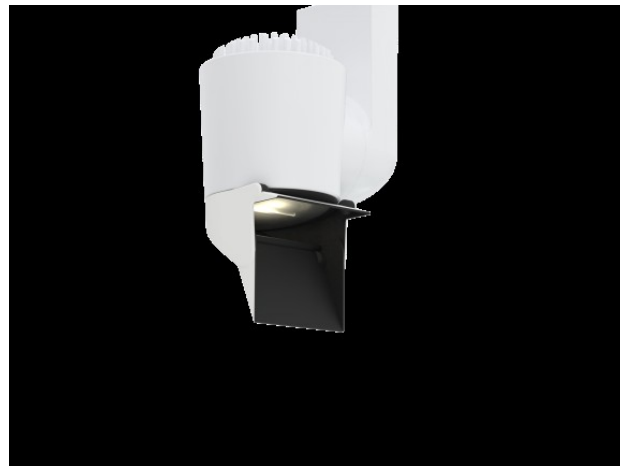
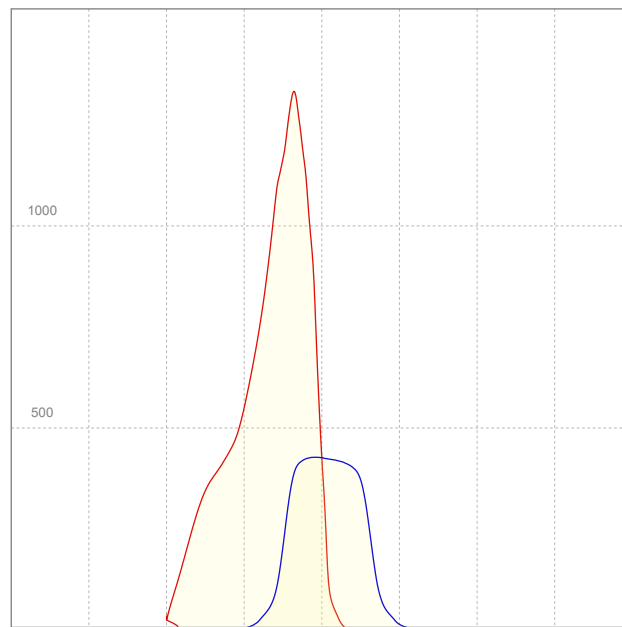


General Discription

Item number	
Date and time	26-8-2025 15:28:24
CCT (Kelvin)	3924 K
Beam angle	36,8° x 51°
Luminous flux	1191 lm
Efficiency	44 lm/watt
Weighted energy	27,0 kWh/1000h
Power factor	0,95
CRI (RA)	96,3
Fidelity index Rf	Rf 92,3
Gammut index Rg	Rg 100,7
Peak	1397 cd



Polar curve



Linear distribution diagram

LM-79

Test Report

LM79-JADE-WALLWASH-4000K-CRI90

Beam details	1m	2m	3m	4m	5m
Lux*	426 lx	107 lx	47 lx	27 lx	17 lx

*measured at center of beam

Footcandles*	39,6 fcd	9,9 fcd	4,4 fcd	2,5 fcd	1,6 fcd
Beam width (meter)	0,7 m	1,4 m	2,1 m	2,8 m	3,4 m
Beam width (Feet)	2,3 ft	4,5 ft	6,8 ft	9,1 ft	11,3 ft

Beam intensities																			
1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
426lx	107lx	47lx	27lx	17lx	12lx	9lx	7lx	5lx	4lx	4lx	3lx	3lx	2lx	2lx	2lx	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
39,6fcd	9,9fcd	4,4fcd	2,5fcd	1,6fcd	1,1fcd	0,8fcd	0,6fcd	0,5fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,2fcd	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°
426	596	803	952	1055	1152	1223	1289	1330	1302	1240	1177	1136	1093	1018	941	871	807	751	701
100%	140%	188%	223%	247%	270%	287%	302%	312%	305%	291%	276%	266%	256%	239%	221%	204%	189%	176%	164%

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°
426	424	423	422	420	418	416	412	408	402	393	377	346	297	235	172	117	81	59	46
100%	100%	99%	99%	99%	98%	98%	97%	96%	94%	92%	88%	81%	70%	55%	40%	28%	19%	14%	11%

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°
426	276	118	67	45	26	12	4	0	1	0	0	0	0	0	0	0	0	0	1
100%	65%	28%	16%	11%	6%	3%	1%	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°
426	427	427	427	425	422	417	408	388	350	292	224	159	109	77	58	45	35	25	17
100%	100%	100%	100%	100%	99%	98%	96%	91%	82%	68%	52%	37%	26%	18%	14%	11%	8%	6%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,1°	78,1°	96,8°	82,1%	64,0%



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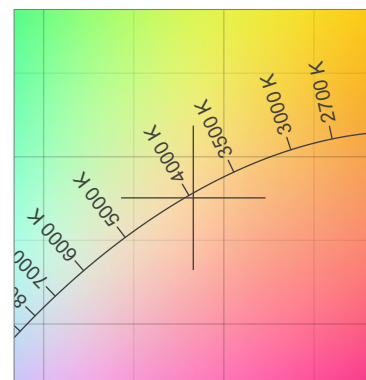
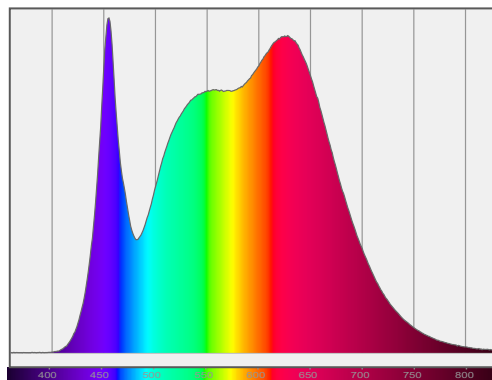
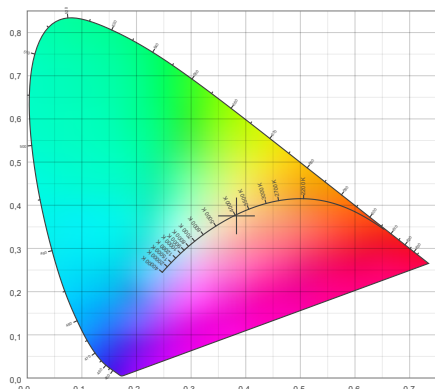
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LM-79

Test Report

LM79-JADE-WALLWASH-4000K-CRI90

Color details



CIE 1931

x: 0,383

3924 K

y: 0,375

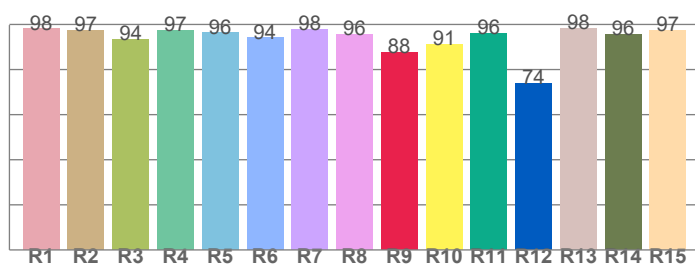
Spectra

CIE 1931 ZOOM

Δuv : -0,0014

CRI: 96,3 (R1-R8)

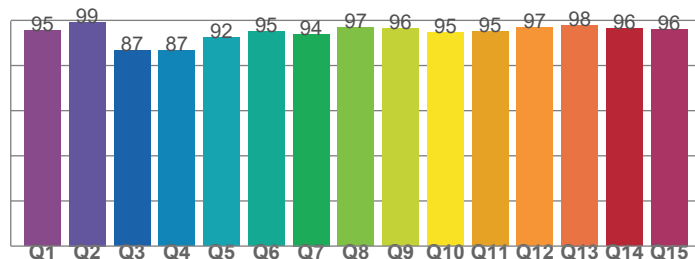
CRI values, R1-R8 are used to calculate final CRI value



R1	R2	R3	R4	R5	R6	R7	R8
98,0	97,3	93,5	97,3	96,2	94,0	98,0	95,7
R9	R10	R11	R12	R13	R14	R15	
87,7	91,0	95,9	73,7	98,3	95,6	97,3	

CQS: 93,6

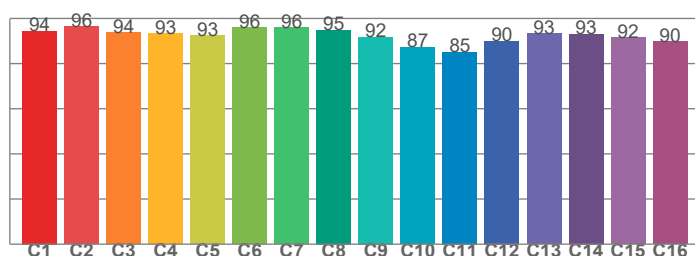
CQS values



Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
95,5	99,3	86,5	86,8	92,3	95,2	94,0	96,9
Q9	Q10	Q11	Q12	Q13	Q14	Q15	
96,5	94,6	95,0	96,7	98,0	96,3	96,2	

TM30: 92,3

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



C1	C2	C3	C4	C5	C6	C7	C8
94,4	96,4	93,6	93,2	92,5	95,9	96,1	94,9
C9	C10	C11	C12	C13	C14	C15	
91,8	87,3	85,2	90,0	93,4	93,1	91,5	

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
3924 K	96,3	87,7	92,3	100,7	93,6	0,383	0,375	0,227	0,334	-0,0014



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LM-79

Test Report

LM79-JADE-WALLWASH-4000K-CRI90

TM30 details

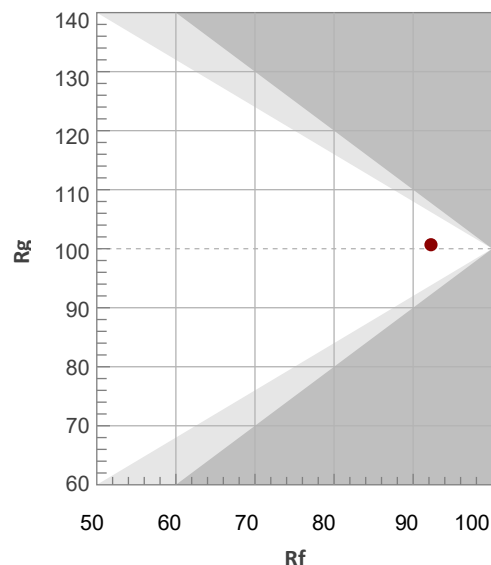
Rf 92,3

Fidelity index Rf

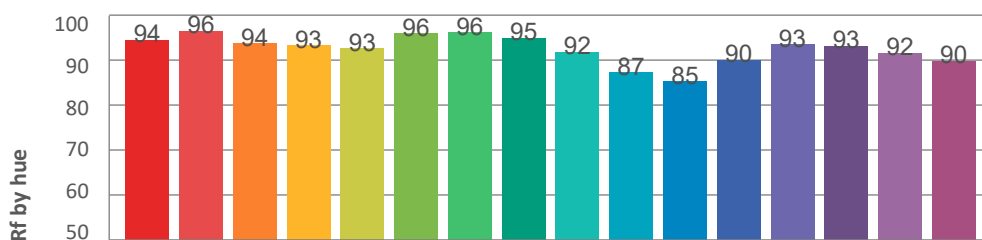
Rg 100,7

Gamut index Rg

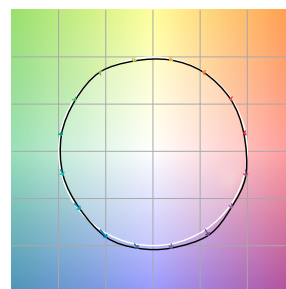
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-2%	0%
2	96	-1%	1%
3	94	-1%	3%
4	93	-2%	1%
5	93	-2%	1%
6	96	1%	1%
7	96	-1%	0%
8	95	-2%	2%
9	92	-2%	6%
10	87	-2%	8%
11	85	3%	10%
12	90	4%	4%
13	93	4%	-1%
14	93	7%	0%
15	92	2%	-4%
16	90	2%	-6%



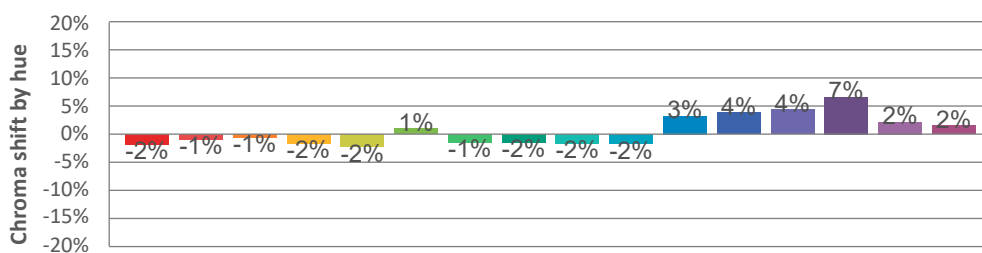
Hue binH



Color vector graphics



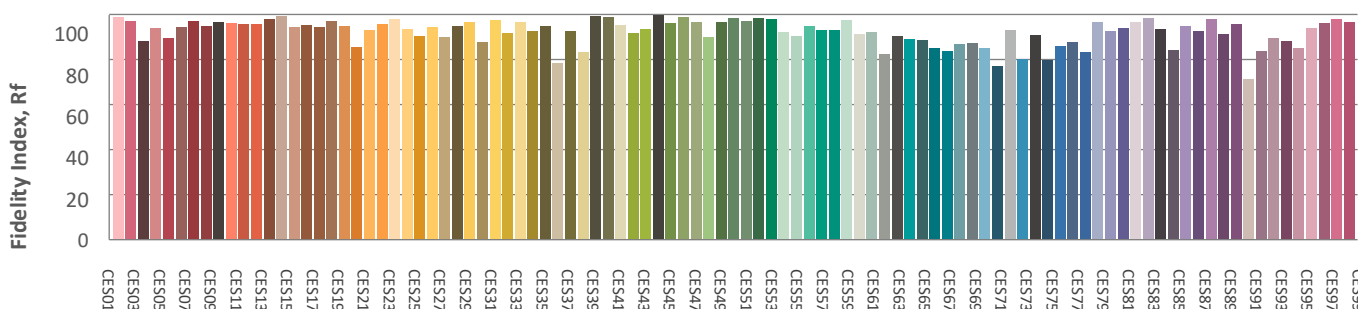
Hue bin



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 1191lm total luminous flux										