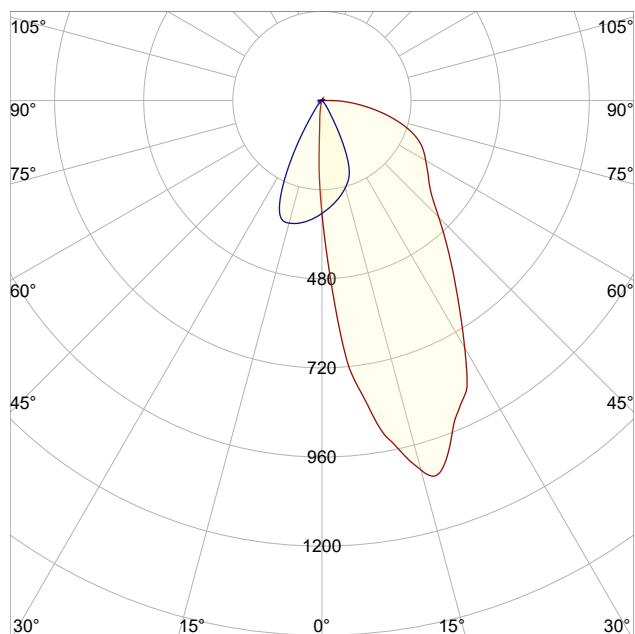
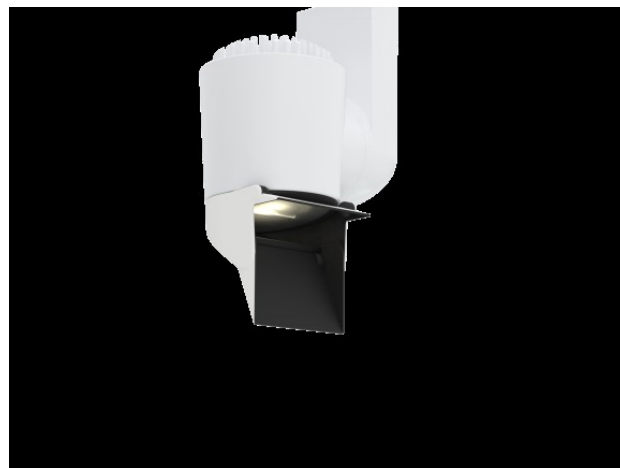
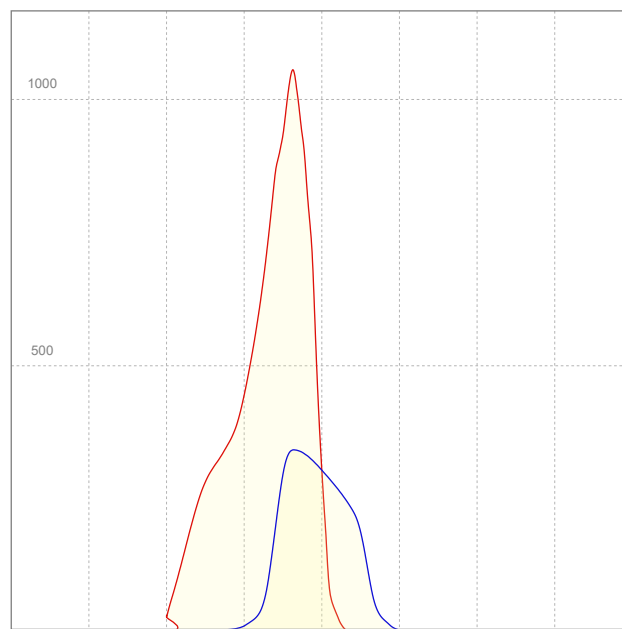


General Discription

Item number	
Date and time	26-8-2025 14:30:59
CCT (Kelvin)	3351 K
Beam angle	36,8° x 51,5°
Luminous flux	912 lm
Efficiency	34 lm/watt
Weighted energy	26,8 kWh/1000h
Power factor	0,95
CRI (RA)	96,1
Fidelity index Rf	Rf 97,1
Gammut index Rg	Rg 102,6
Peak	1060 cd



Polar curve



Linear distribution diagram

LM-79

Test Report

LM79-JADE-WALLWASH-3500K-CRI98

Beam details	1m	2m	3m	4m	5m
Lux*	304 lx	76 lx	34 lx	19 lx	12 lx

*measured at center of beam

Footcandles*	28,2 fcd	7,1 fcd	3,1 fcd	1,8 fcd	1,1 fcd
Beam width (meter)	0,7 m	1,5 m	2,2 m	2,9 m	3,6 m
Beam width (Feet)	2,4 ft	4,8 ft	7,2 ft	9,6 ft	12 ft

Beam intensities																			
1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
304lx	76lx	34lx	19lx	12lx	8lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	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
28,2fcd	7,1fcd	3,1fcd	1,8fcd	1,1fcd	0,8fcd	0,6fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	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°
304	426	582	729	808	893	950	1005	1048	1044	1000	946	908	879	831	769	711	659	611	569
100%	140%	192%	240%	266%	294%	313%	331%	345%	344%	329%	311%	299%	289%	273%	253%	234%	217%	201%	187%

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°
304	297	289	281	274	265	257	248	238	227	214	194	165	129	93	62	42	31	23	17
100%	98%	95%	93%	90%	87%	85%	82%	78%	75%	70%	64%	54%	43%	31%	20%	14%	10%	8%	6%

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°
304	200	98	56	38	22	11	4	0	0	0	0	0	0	0	0	0	0	0	0
100%	66%	32%	18%	13%	7%	4%	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°
304	311	318	324	330	334	338	341	342	340	329	304	266	218	167	120	79	53	37	28
100%	102%	105%	107%	109%	110%	111%	112%	113%	112%	108%	100%	87%	72%	55%	39%	26%	17%	12%	9%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,1°	80,5°	98,4°	81,6%	63,3%



CLS LED BV
 info@cls-led.com
 www.cls-led.com

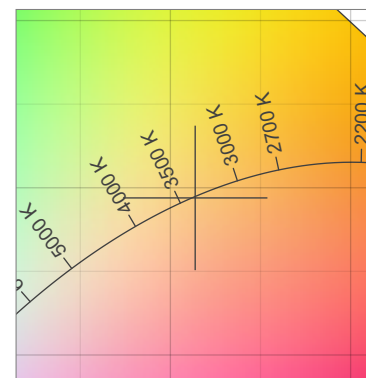
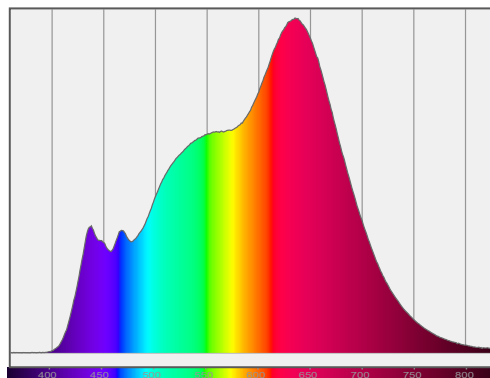
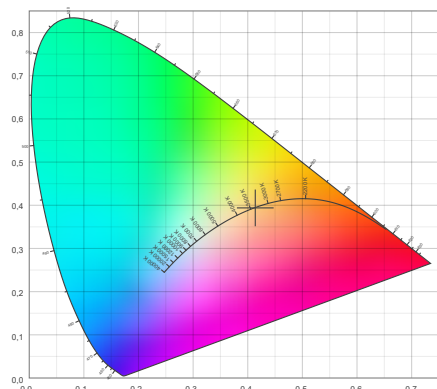
2021 CLS-LED BV. All rights reserved. Information subject to change without notice, CLS-LED BV and all affiliated companies disclaim liability for injury, damage direct or indirect loss, consequential or economic loss or any other loss occasioned by the use of, inability to use or reliance on the information contained in this document. No part of this document may be reproduced, in any form or by any means, without permission in writing from CLS-LED BV. Other legal information can be found in our General conditions, found on the back of your CLS-LED BV invoice, inside the CLS catalogue or on our website www.cls-led.com/voorwaarden.pdf

LM-79

Test Report

LM79-JADE-WALLWASH-3500K-CRI98

Color details



CIE 1931

x: 0,414



Spectra

CIE 1931 ZOOM

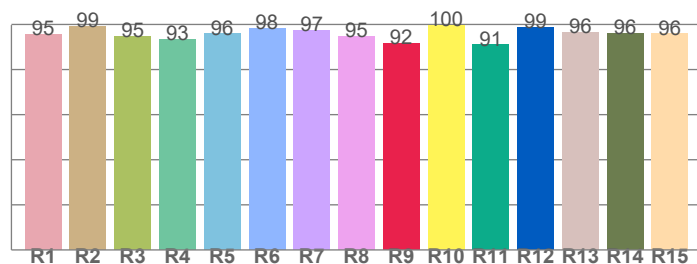
3351 K

y: 0,394

$\Delta uv: -0,0004$

CRI: 96,1 (R1-R8)

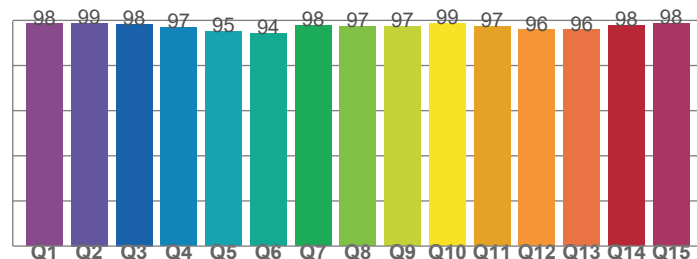
CRI values, R1-R8 are used to calculate final CRI value



R1	R2	R3	R4	R5	R6	R7	R8
95,5	99,2	94,8	93,3	95,8	98,1	97,2	94,9
R9	R10	R11	R12	R13	R14	R15	
91,5	99,6	91,0	98,6	96,3	96,2	95,8	

CQS: 96,8

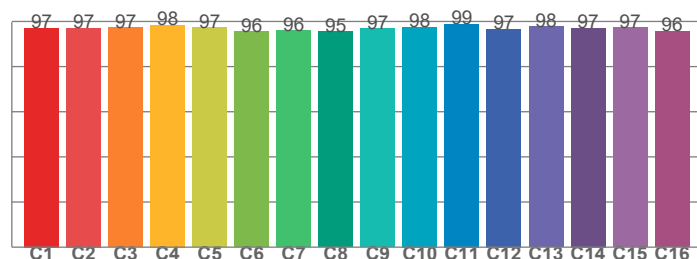
CQS values



Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
98,5	98,9	98,4	96,9	94,9	94,4	97,7	97,4
Q9	Q10	Q11	Q12	Q13	Q14	Q15	
97,2	98,8	97,2	95,8	95,8	97,9	98,5	

TM30: 97,1

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



C1	C2	C3	C4	C5	C6	C7	C8
97,1	97,0	97,3	98,4	97,3	95,6	96,1	95,4
C9	C10	C11	C12	C13	C14	C15	
96,9	97,6	98,9	96,6	97,8	97,2	97,3	

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
3351 K	96,1	91,5	97,1	102,6	96,8	0,414	0,394	0,240	0,343	-0,0004



CLS LED BV
info@cls-led.com
www.cls-led.com

2021 CLS-LED BV. All rights reserved. Information subject to change without notice, CLS-LED BV and all affiliated companies disclaim liability for injury, damage direct or indirect loss, consequential or economic loss or any other loss occasioned by the use of, inability to use or reliance on the information contained in this document. No part of this document may be reproduced, in any form or by any means, without permission in writing from CLS-LED BV. Other legal information can be found in our General conditions, found on the back of your CLS-LED BV invoice, inside the CLS catalogue or on our website www.cls-led.com/voorwaarden.pdf

LM-79

Test Report

LM79-JADE-WALLWASH-3500K-CRI98

TM30 details

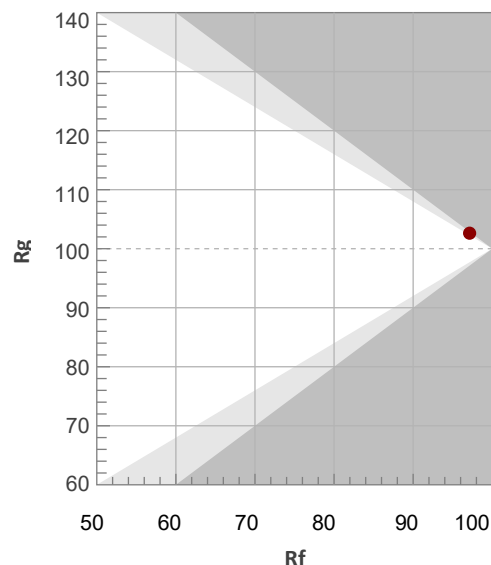
R_f 97,1

Fidelity index R_f

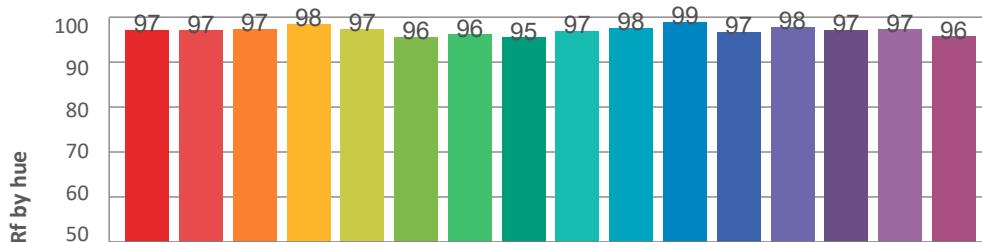
R_g 102,6

Gamut index R_g

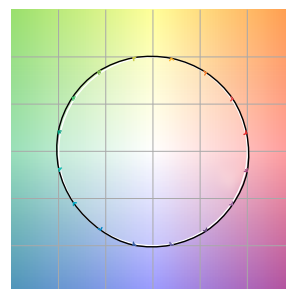
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	1%	-1%
4	98	0%	0%
5	97	1%	1%
6	96	2%	2%
7	96	3%	0%
8	95	2%	-1%
9	97	1%	-1%
10	98	0%	-1%
11	99	0%	0%
12	97	1%	-1%
13	98	1%	-1%
14	97	2%	0%
15	97	1%	0%
16	96	2%	-1%



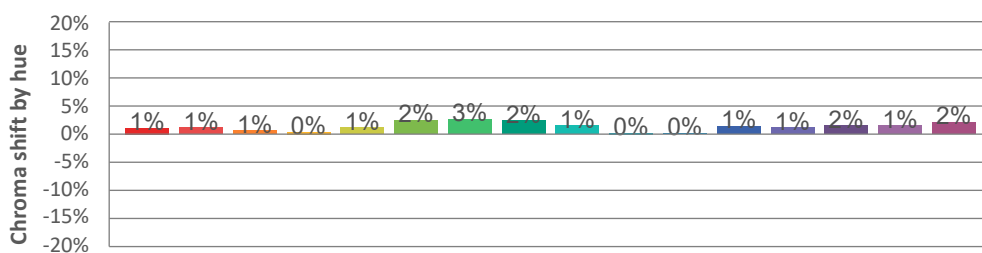
Hue binH



Color vector graphics



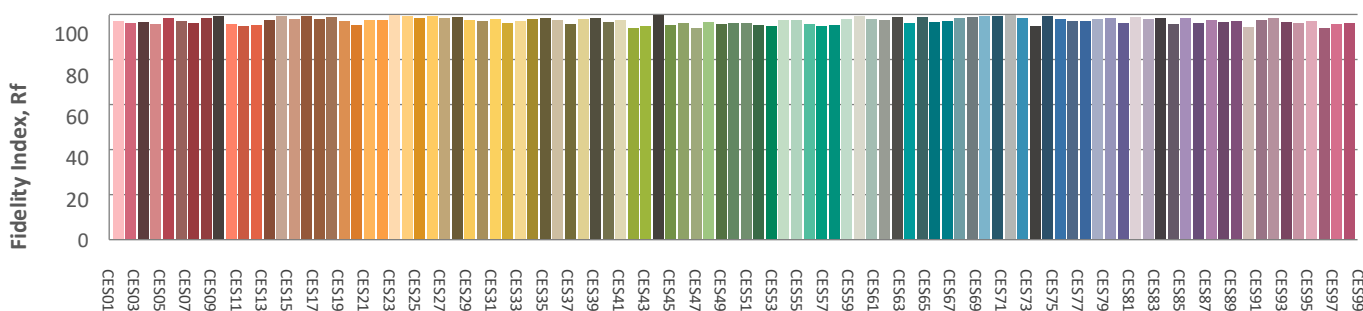
Hue bin



Color distortion graphics



Color Evaluation Sample



CLS LED BV
info@cls-led.com
www.cls-led.com

2021 CLS-LED BV. All rights reserved. Information subject to change without notice, CLS-LED BV and all affiliated companies disclaim liability for injury, damage direct or indirect loss, consequential or economic loss or any other loss occasioned by the use of, inability to use or reliance on the information contained in this document. No part of this document may be reproduced, in any form or by any means, without permission in writing from CLS-LED BV. Other legal information can be found in our General conditions, found on the back of your CLS-LED BV invoice, inside the CLS catalogue or on our website www.cls-led.com/voorwaarden.pdf

Test Report

LM79-JADE-WALLWASH-3500K-CRI98

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 912lm total luminous flux										



CLS LED BV
info@cls-led.com
www.cls-led.com

2021 CLS-LED BV. All rights reserved. Information subject to change without notice, CLS-LED BV and all affiliated companies disclaim liability for injury, damage direct or indirect loss, consequential or economic loss or any other loss occasioned by the use of, inability to use or reliance on the information contained in this document. No part of this document may be reproduced, in any form or by any means, without permission in writing from CLS-LED BV. Other legal information can be found in our General conditions, found on the back of your CLS-LED BV invoice, inside the CLS catalogue or on our website www.cls-led.com/voorwaarden.pdf