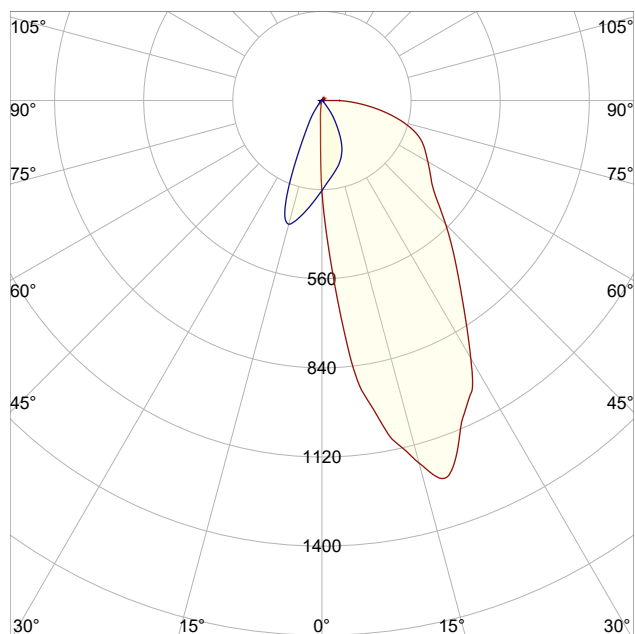
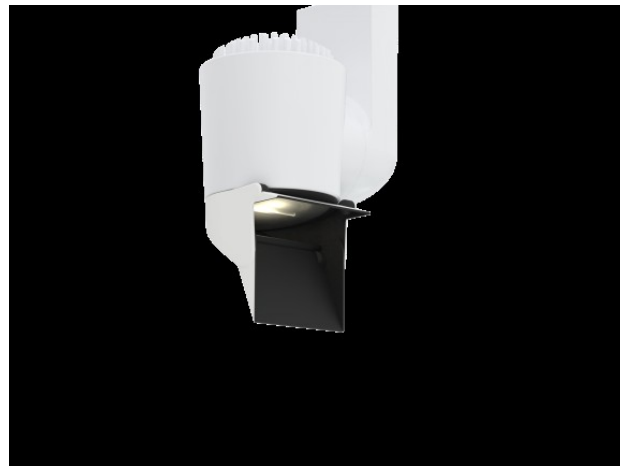
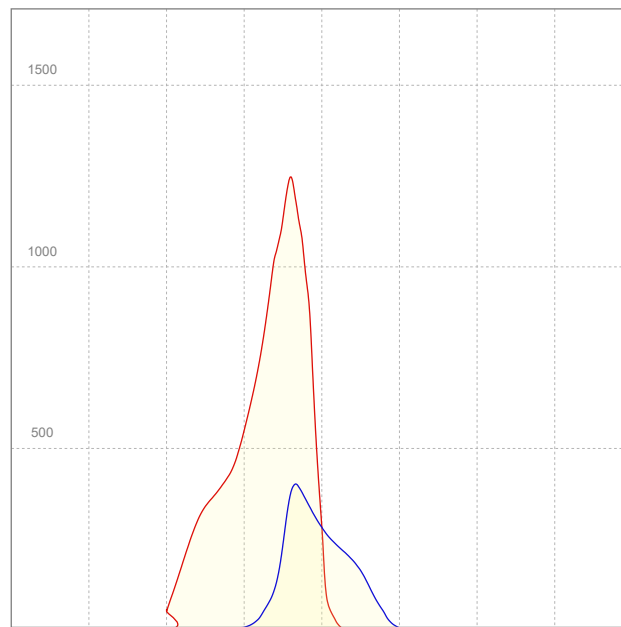


General Discription

Item number	
Date and time	25-8-2025 16:03:03
CCT (Kelvin)	3362 K
Beam angle	36,8° x 39,7°
Luminous flux	1228 lm
Efficiency	46 lm/watt
Weighted energy	26,7 kWh/1000h
Power factor	0,95
CRI (RA)	93,5
Fidelity index Rf	Rf 91,0
Gammut index Rg	Rg 101,9
Peak	1555 cd



Polar curve



Linear distribution diagram

LM-79

Test Report

LM79-JADE-WALLWASH-3500K-CRI90

Beam details	1m	2m	3m	4m	5m
Lux*	283 lx	71 lx	31 lx	18 lx	11 lx

35,4°

*measured at center of beam

Footcandles*	26,2 fcd	6,6 fcd	2,9 fcd	1,6 fcd	1,0 fcd
Beam width (meter)	0,6 m	1,3 m	1,9 m	2,6 m	3,2 m
Beam width (Feet)	2,1 ft	4,2 ft	6,3 ft	8,4 ft	10,5 ft

Beam intensities																			
1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
283lx	71lx	31lx	18lx	11lx	8lx	6lx	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
26,2fcd	6,6fcd	2,9fcd	1,6fcd	1fcd	0,7fcd	0,5fcd	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°
283	421	583	779	924	1008	1093	1148	1209	1245	1213	1150	1090	1049	1007	935	865	801	744	694
100%	149%	206%	276%	327%	357%	387%	406%	428%	441%	429%	407%	386%	371%	356%	331%	306%	283%	263%	246%

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°
283	269	257	247	237	228	219	211	201	192	180	167	152	134	115	96	79	64	49	33
100%	95%	91%	87%	84%	81%	78%	75%	71%	68%	64%	59%	54%	47%	41%	34%	28%	23%	17%	12%

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°
283	129	66	44	26	13	4	1	0	0	0	0	1	1	0	0	0	1	0	0
100%	46%	24%	16%	9%	4%	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°
283	297	313	330	348	366	383	398	399	376	325	254	187	137	104	82	65	50	35	25
100%	105%	111%	117%	123%	129%	136%	141%	141%	133%	115%	90%	66%	49%	37%	29%	23%	18%	12%	9%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35,4°	76,9°	95,5°	81,3%	63,2%



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

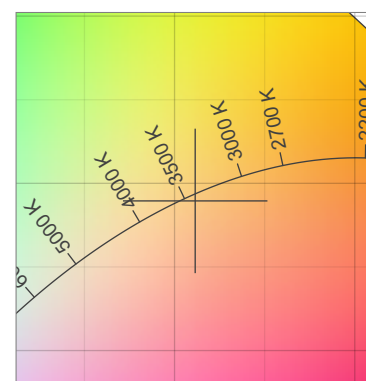
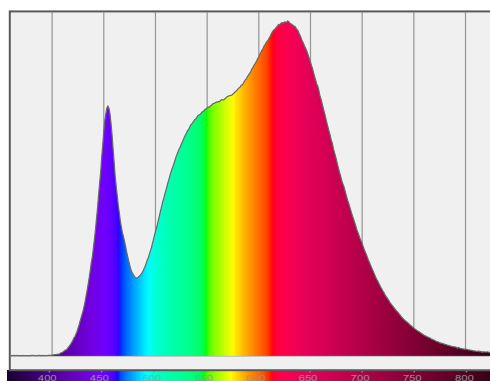
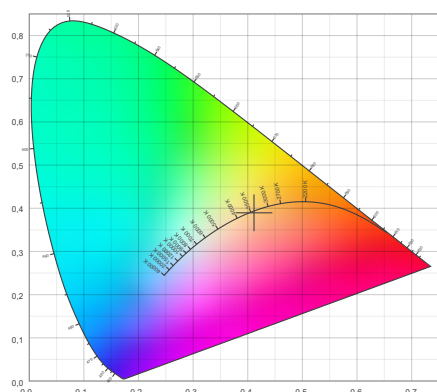
2021 CLS-LED BV. All rights reserved. Information subject to change without notice, CLS-LED BV and all affiliated companies disclaim liability for injury, damage direct or indirect loss, consequential or economic loss or any other loss occasioned by the use of, inability to use or reliance on the information 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-CRI90

Color details



CIE 1931

x: 0,411



Spectra

CIE 1931 ZOOM

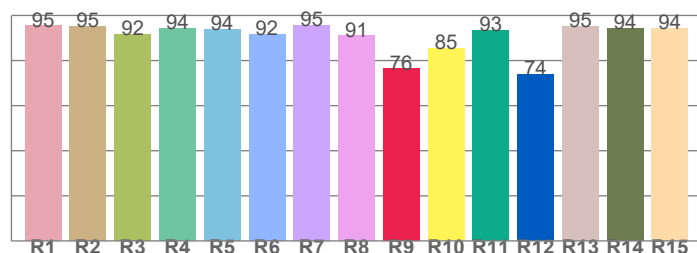
3362 K

y: 0,389

Δuv : -0,0018

CRI: 93,5 (R1-R8)

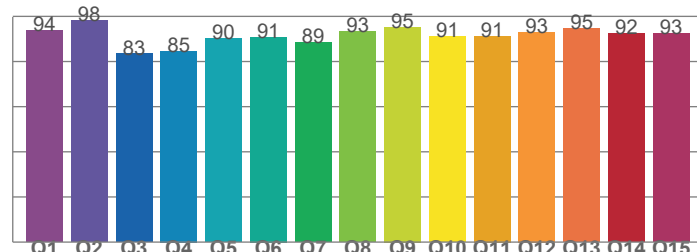
CRI values, R1-R8 are used to calculate final CRI value



R1	R2	R3	R4	R5	R6	R7	R8
95,4	95,0	91,6	94,3	93,6	91,8	95,5	91,0
R9	R10	R11	R12	R13	R14	R15	
76,3	85,4	93,3	74,1	95,3	94,3	94,3	

CQS: 90,7

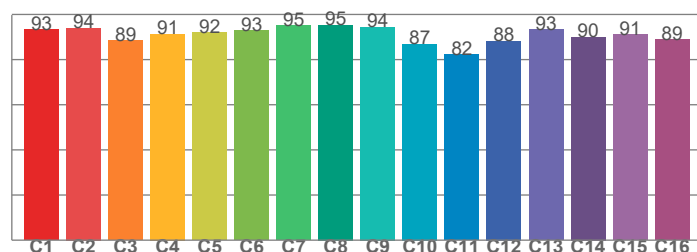
CQS values



Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
93,6	98,2	83,4	84,7	90,3	90,9	88,6	93,4
Q9	Q10	Q11	Q12	Q13	Q14	Q15	
95,3	91,1	91,3	93,0	94,7	92,3	92,5	

TM30: 91,0

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



C1	C2	C3	C4	C5	C6	C7	C8
93,2	94,0	88,5	91,4	92,0	92,8	95,2	95,3
C9	C10	C11	C12	C13	C14	C15	
94,4	86,9	82,3	88,3	93,4	90,0	91,1	

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
3362 K	93,5	76,3	91,0	101,9	90,7	0,411	0,389	0,240	0,341	-0,0018



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-CRI90

TM30 details

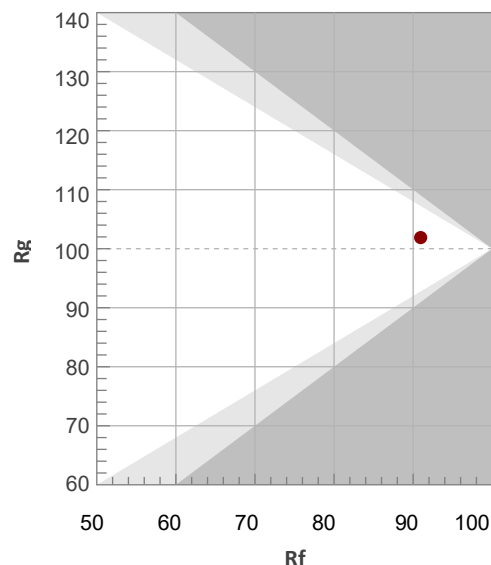
Rf 91,0

Fidelity index R_f

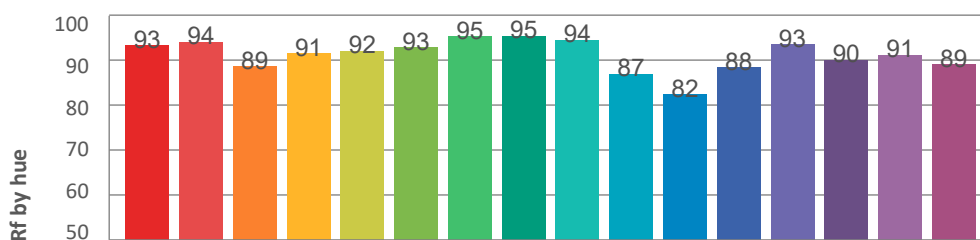
Rg 101,9

Gammut index Rg

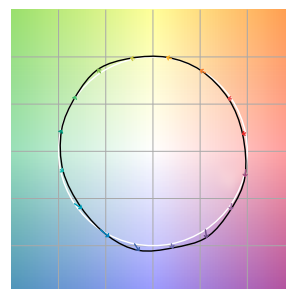
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	93	-3%	-1%
2	94	-3%	2%
3	89	-1%	6%
4	91	1%	5%
5	92	1%	4%
6	93	5%	0%
7	95	0%	-2%
8	95	-1%	-3%
9	94	-3%	2%
10	87	-4%	8%
11	82	1%	11%
12	88	6%	6%
13	93	4%	0%
14	90	7%	-3%
15	91	3%	-5%
16	89	1%	-7%



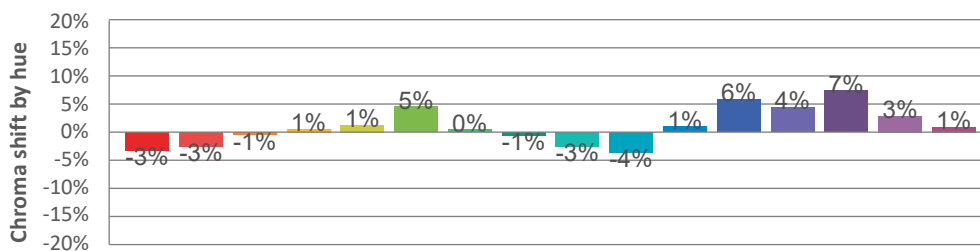
Hue binH



Color vector graphics



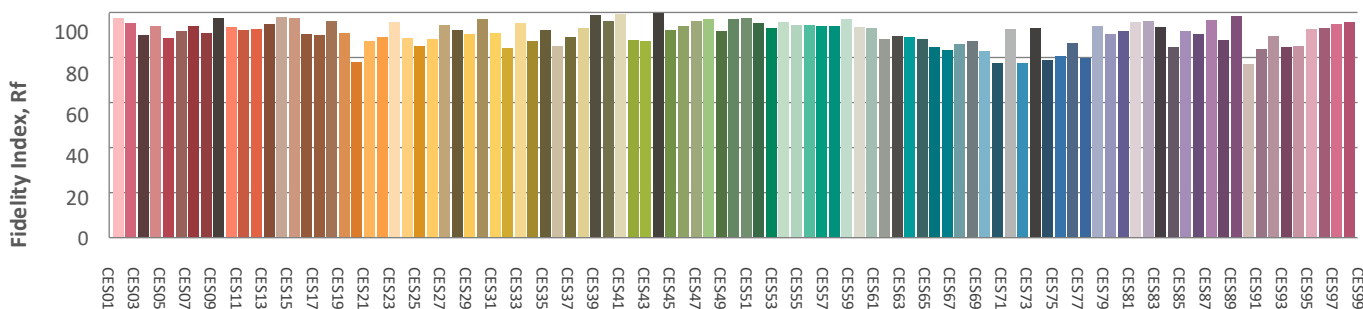
Hue bin



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

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
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 1228lm total luminous flux										