

# WELTPLAST

Light efficiency:

82 Lumen/Watt

Light quality:

CRI: 73,9

Color temperature:

7106 K

Output: 623 lm

Peak: 224 cd

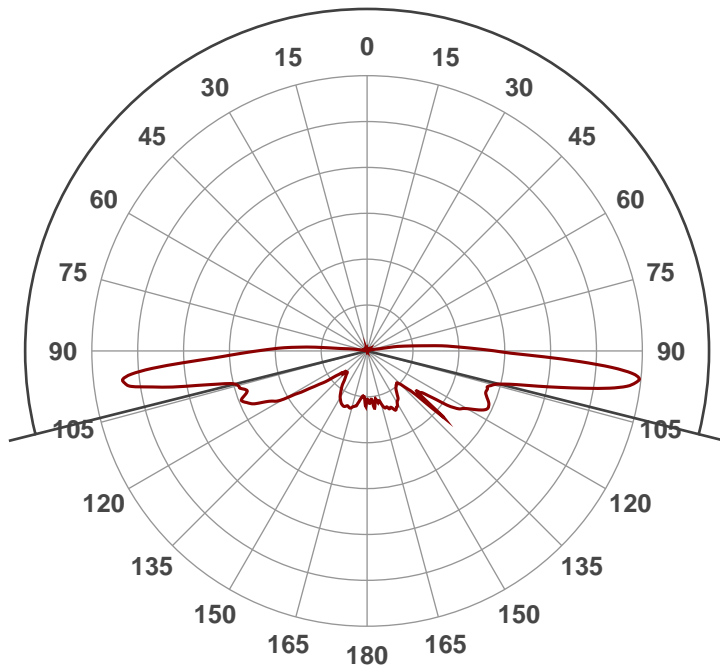
Power: 7,6 W

40,0V @ 0,190A



Beam angle

208,2°



Product name:

ALLC-W6-12x360

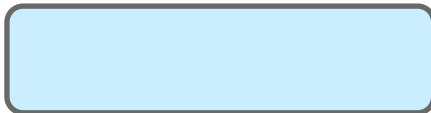
Date and time:

06.04.2017 15:53:27

Additional information:

Measurements of the optical system at current on the LED 1.7A with built-in current regulator

Color

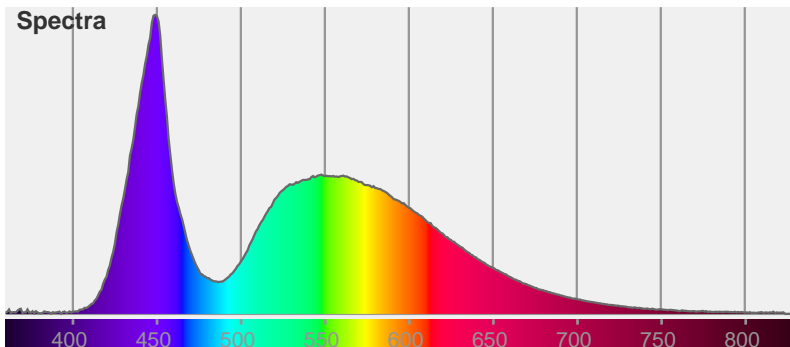


CIE1931

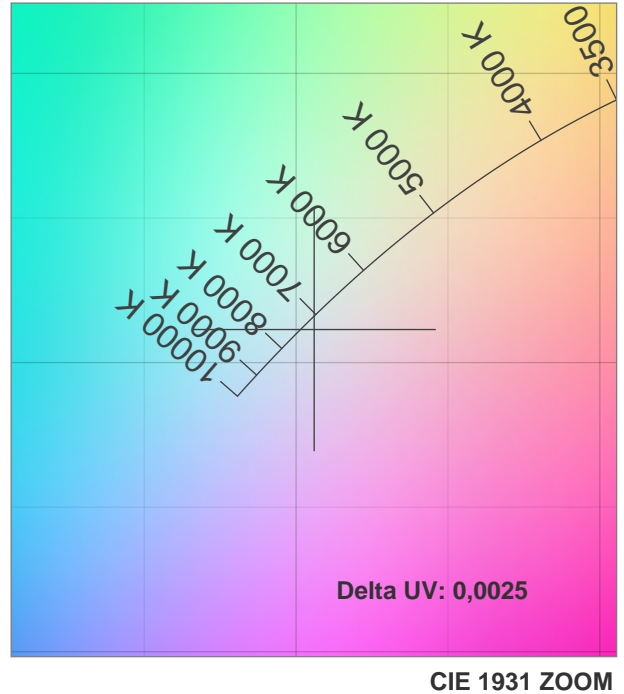
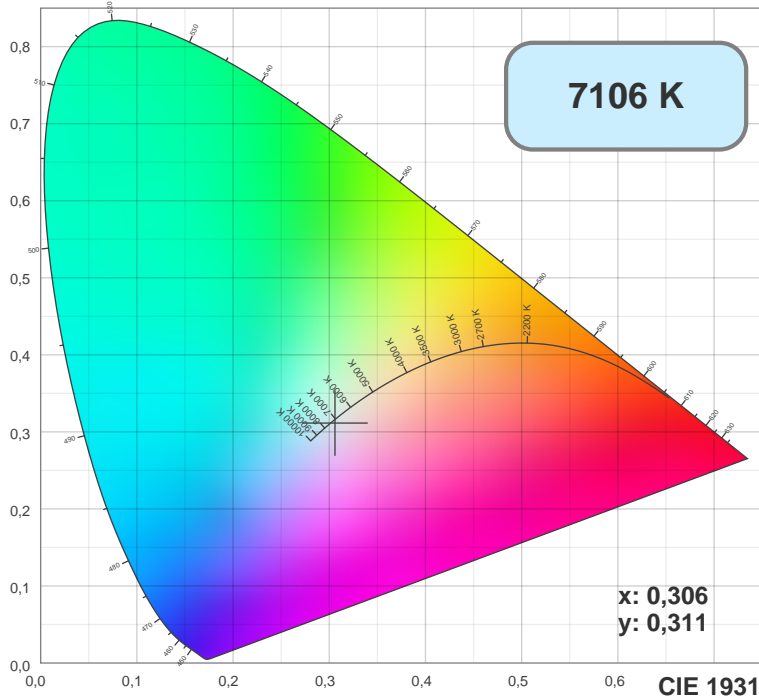
x: 0,306

y: 0,311

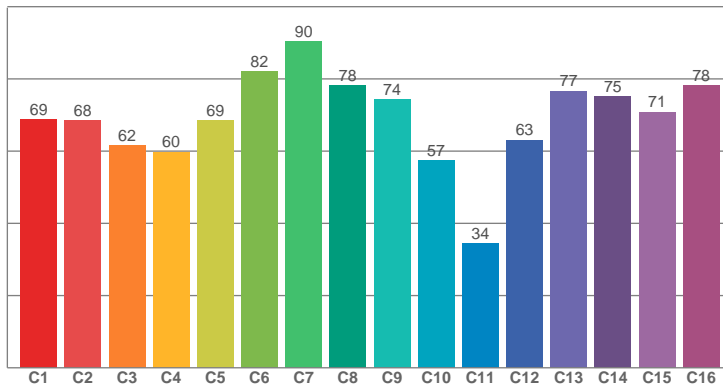
Spectra



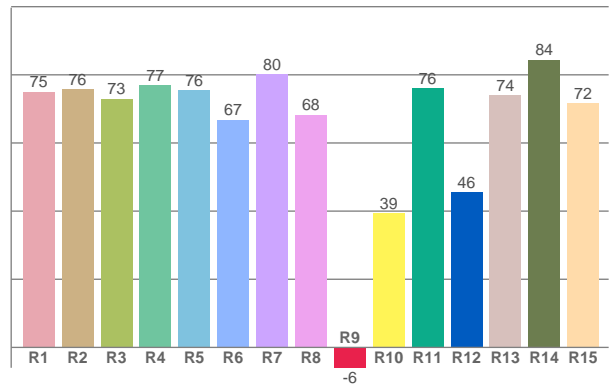
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TM30: 68,9



CRI: 73,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
74,99	75,77	72,93	76,94	75,52	66,73	80,18	68,32	-5,98	39,36	76,03	45,58	73,96	84,43	71,62

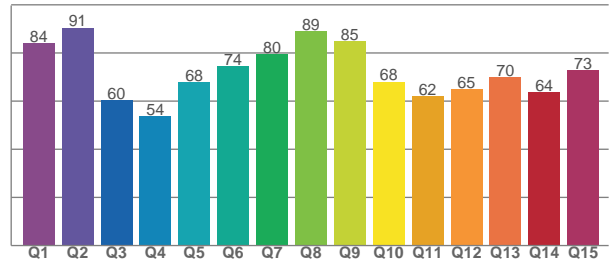
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
68,70	68,50	61,59	59,80	68,57	82,16	90,32	78,24	74,41	57,45	34,37	63,11	76,65	75,22	70,85	78,22

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
84,11	90,53	60,28	53,91	67,96	74,45	79,58	89,07	84,96	68,08	62,14	64,95	70,05	63,66	72,75

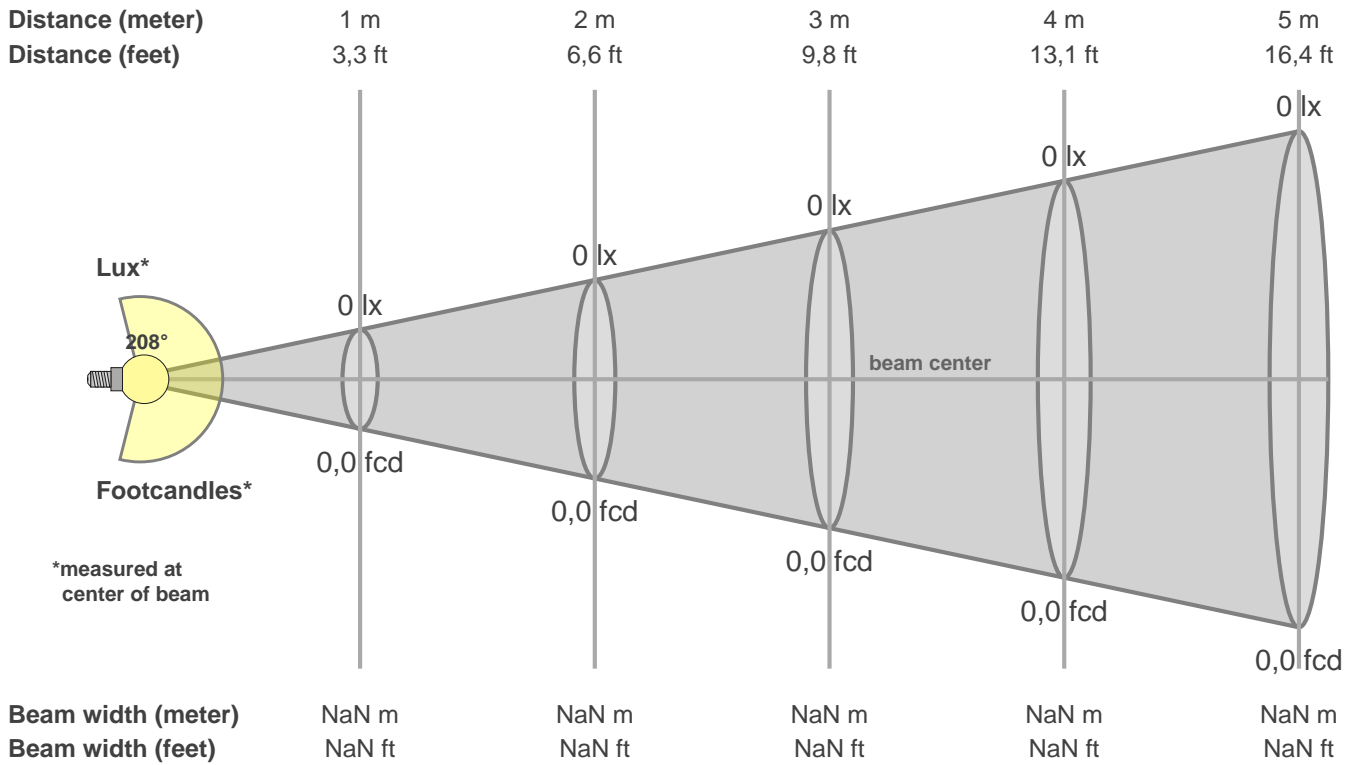
CQS: 70,4



## Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
7106 K	73,9	-6,0	68,9	96,3	70,4	0,3	0,3	0,2	0,3	0,0057

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**Intensities in 0° c-plane**

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
0	0	0	0	1	2	2	2	2	5	90	187	104	91	44	25	34	47	48	42
100%	91%	97%	169%	372%	987%	760%	626%	921%	2205%	37482%	77904%	43251%	37870%	18298%	10570%	14319%	19597%	20127%	17409%

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**Intensities in 180° c-plane**

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
0	0	0	1	1	3	2	2	3	20	105	195	103	106	63	39	41	53	49	42
100%	111%	179%	312%	516%	1216%	732%	965%	1227%	8411%	43579%	81214%	42887%	44179%	26253%	16046%	16999%	21898%	20332%	17467%

**Intensities in 180° c-plane**

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
0	0	0	1	1	3	2	2	3	20	105	195	103	106	63	39	41	53	49	42
100%	111%	179%	312%	516%	1216%	732%	965%	1227%	8411%	43579%	81214%	42887%	44179%	26253%	16046%	16999%	21898%	20332%	17467%

<b>Beam angle 50%</b>	<b>Field angle 10%</b>	<b>Cutoff angle 2,5%</b>	<b>Intensity ratio in 120° cone</b>	<b>Intensity ratio in 90° cone</b>
208,2°	360,0°	360,0°	0,7%	0,3%