

astro

PHOTOMETRIC
TEST REPORT

Light efficiency:

51 Lumen/Watt

Light quality:

CRI: 80.1

Color temperature:

2695 K

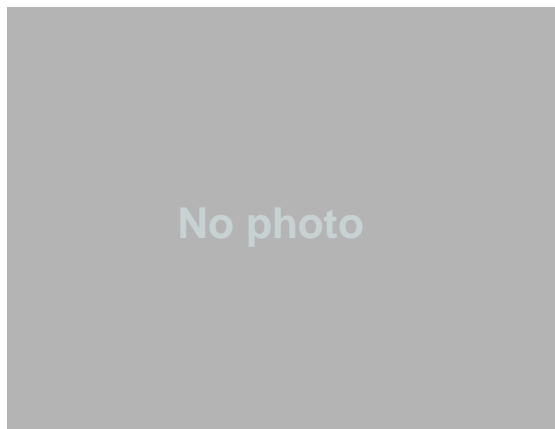
Output: 164 lm

Peak: 808 cd

Power: 3.2 W

PF: 0.56

18 PLANES



Product name:

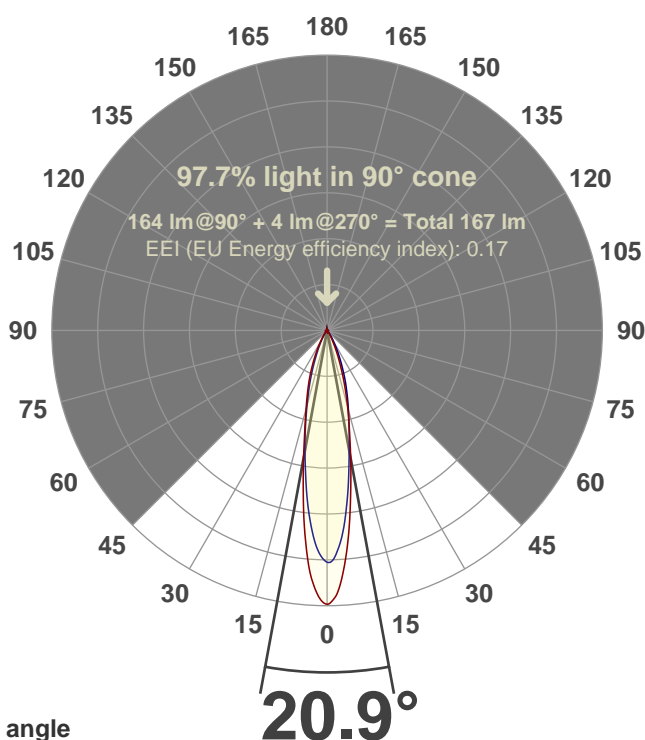
**L17948 Micro Recess
Unswitched Luminaire
corrected**

Date and time:

08/11/2018 11:05:40

Item number:

1407002



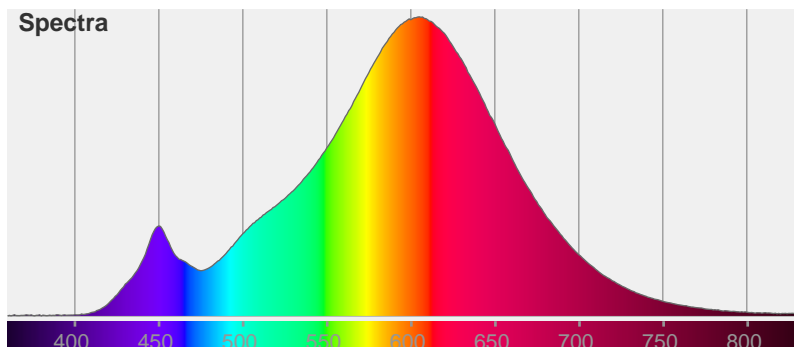
Color

CIE1931

x: 0.463

y: 0.415

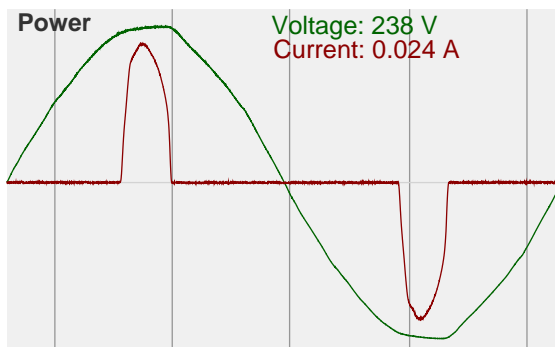
Spectra

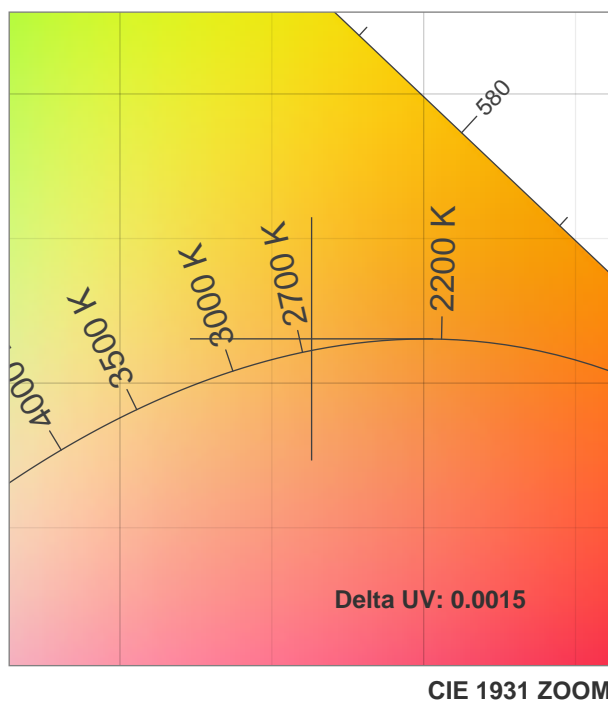
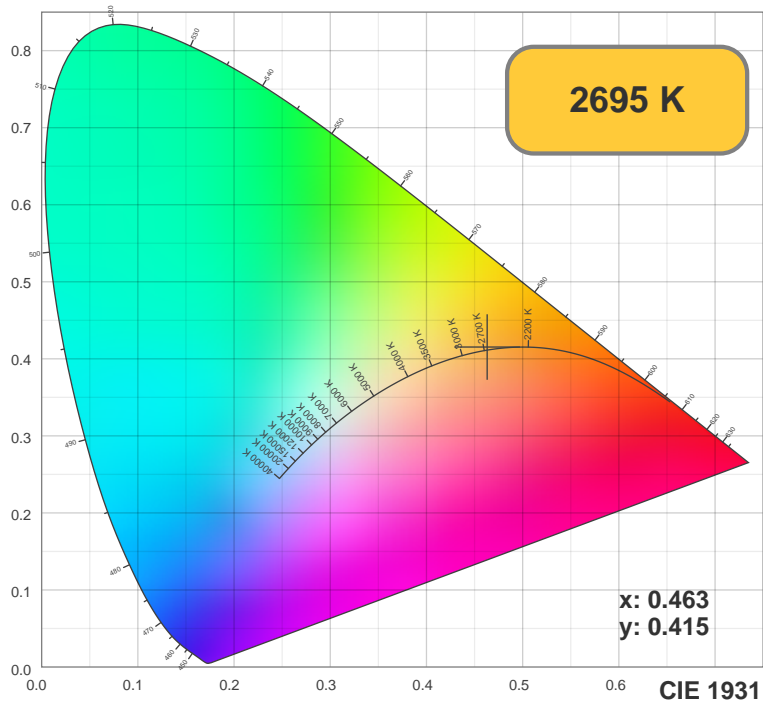


Power

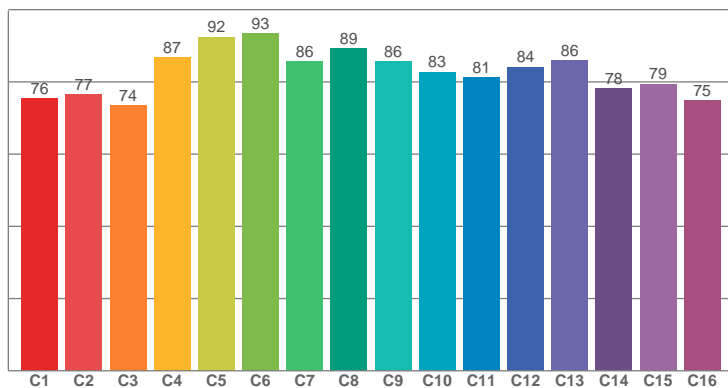
Voltage: 238 V

Current: 0.024 A

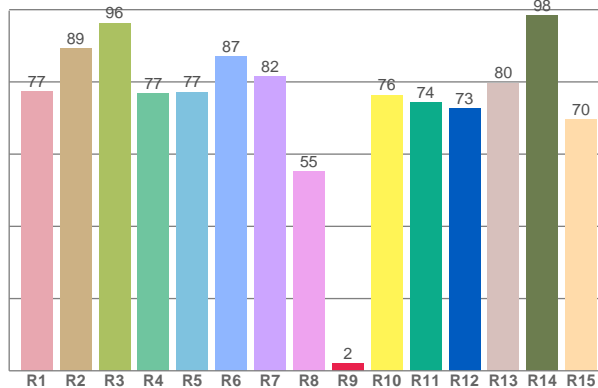




TM30: 82.4



CRI: 80.1 (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
77.33	89.25	96.34	76.79	77.25	87.02	81.53	55.21	1.96	76.36	74.41	72.60	79.74	98.45	69.55

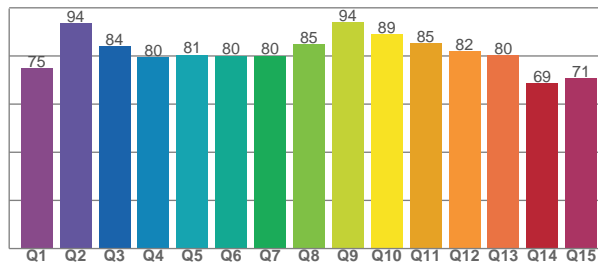
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
75.51	76.52	73.52	86.79	92.48	93.47	85.68	89.19	85.73	82.79	81.19	84.18	85.96	78.23	79.46	74.79

CQS Q values

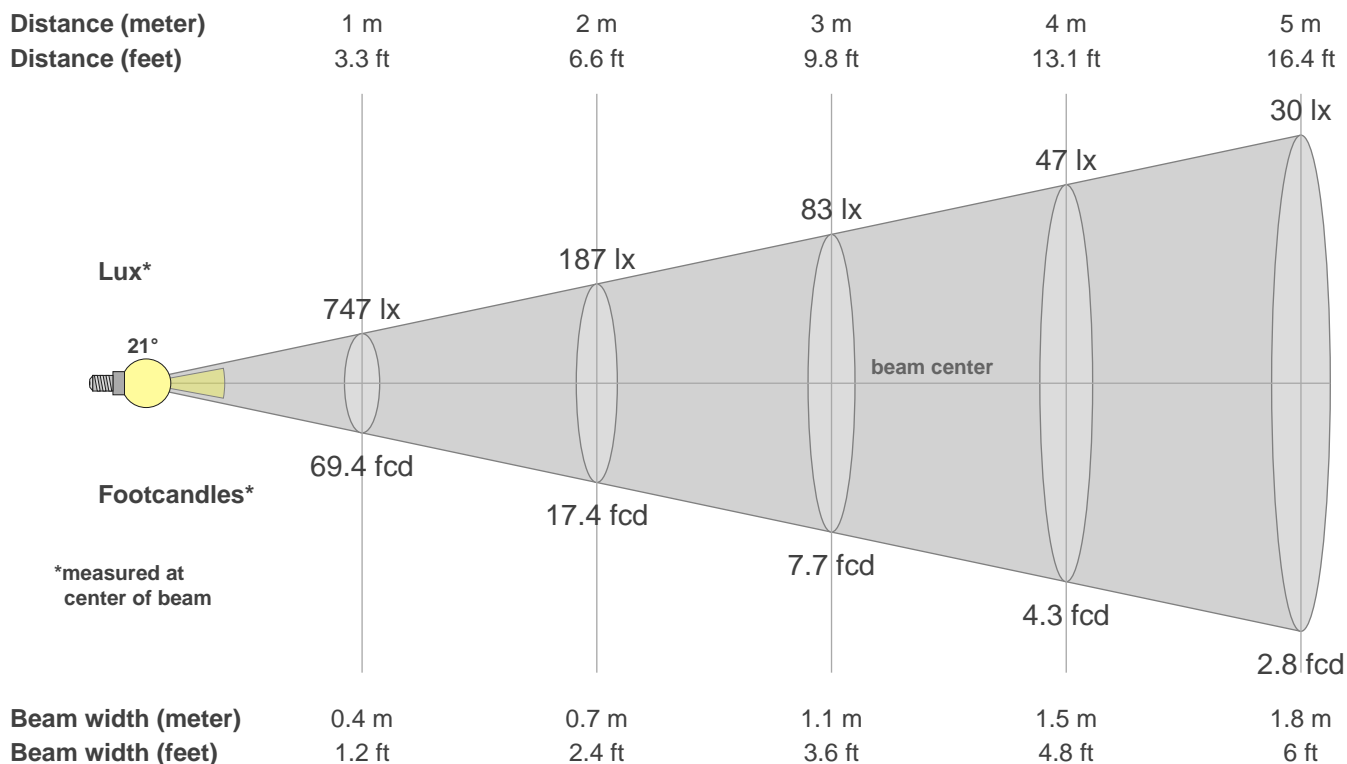
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.08	93.65	84.20	79.53	80.52	80.17	80.10	84.98	94.03	89.18	85.18	81.88	80.18	68.69	70.88

CQS: 80.4



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
2695 K	80.1	2.0	82.4	94.6	80.4	0.5	0.4	0.3	0.4	0.0015



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°
747	778	702	603	495	401	322	260	208	163	123	92	66	46	32	22	16	12	9	6
100%	104%	94%	81%	66%	54%	43%	35%	28%	22%	17%	12%	9%	6%	4%	3%	2%	2%	1%	1%

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°
747	664	610	533	450	373	312	262	222	186	153	122	96	73	55	39	29	21	16	12
100%	89%	82%	71%	60%	50%	42%	35%	30%	25%	21%	16%	13%	10%	7%	5%	4%	3%	2%	2%

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°
747	777	714	612	501	401	320	262	218	183	152	123	97	74	56	42	30	22	16	12
100%	104%	96%	82%	67%	54%	43%	35%	29%	24%	20%	16%	13%	10%	8%	6%	4%	3%	2%	2%

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°
747	654	599	527	447	374	310	253	205	165	130	98	74	55	40	29	20	14	10	7
100%	87%	80%	71%	60%	50%	41%	34%	27%	22%	17%	13%	10%	7%	5%	4%	3%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20.9°	49.7°	66.8°	98.5%	97.7%