

СЕВЕРО-ЗАПАДНАЯ СВЕТОТЕХНИЧЕСКАЯ ЛАБОРАТОРИЯ

Эффективность света:

124 Lumen/Watt

Качество света:

CRI: 81,7

Цветовая температура:

4163 K

Поток: 23008 lm

Интенс.: 5834 cd

Мощн.: 185 W

КПД: 0,98



Название продукта:

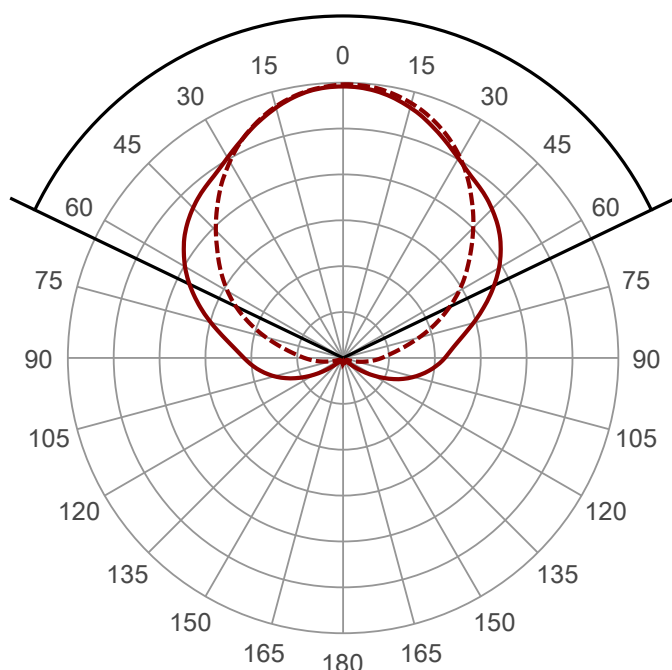
СС

M1-MK-E-192-300.295.130-4-0-67

Дата и время:

14.05.2016 12:28:01

Угол пучка **128,7°** (3 C-PLANES)

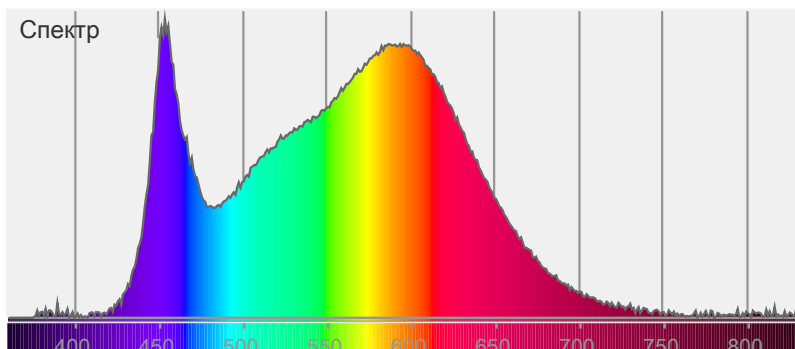


Цвет



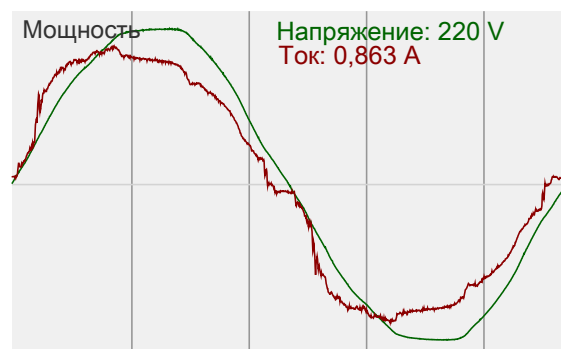
CIE1931
x: 0,375
y: 0,377

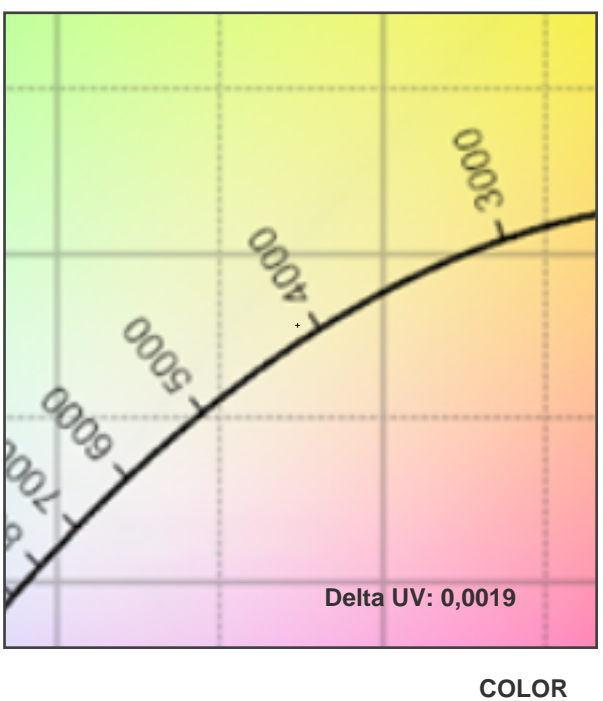
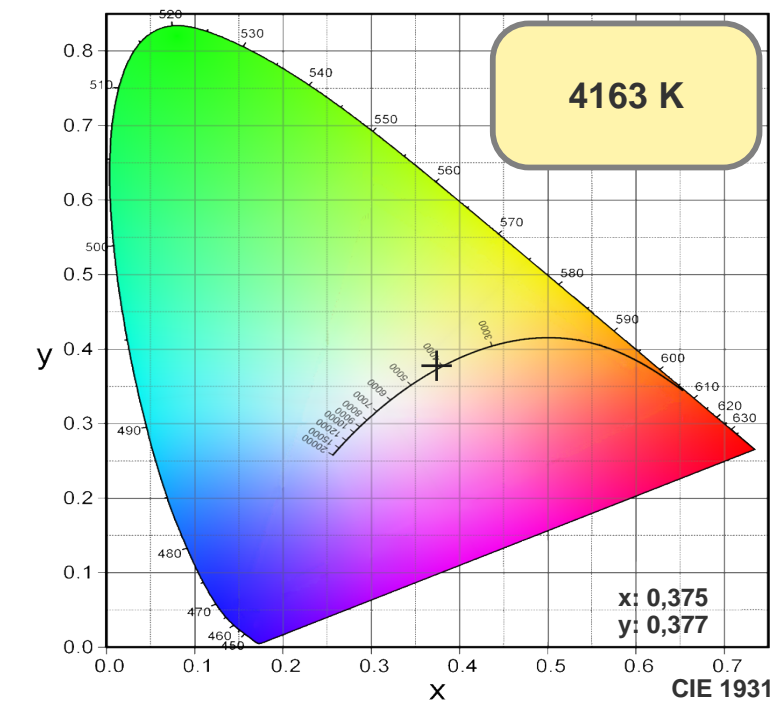
Спектр



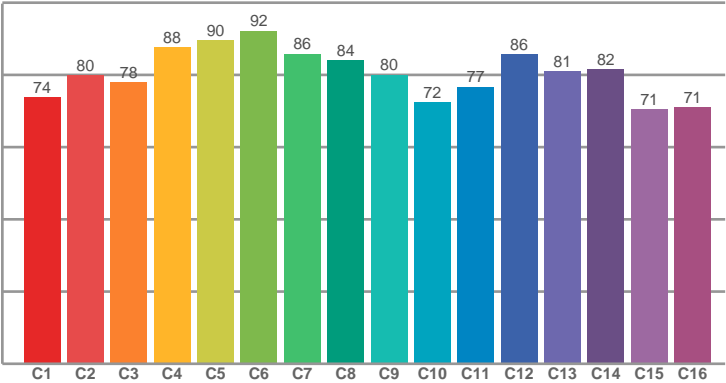
Мощность

Напряжение: 220 V
Ток: 0,863 A

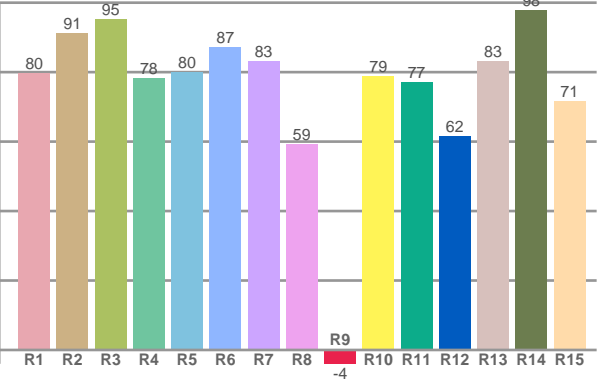




TM30: 80,6



CRI: 81,7 (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 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 79,72 | 91,05 | 95,13 | 78,15 | 79,84 | 87,18 | 83,08 | 59,10 | -3,98 | 78,66 | 76,99 | 61,58 | 83,05 | 97,76 | 71,47 |

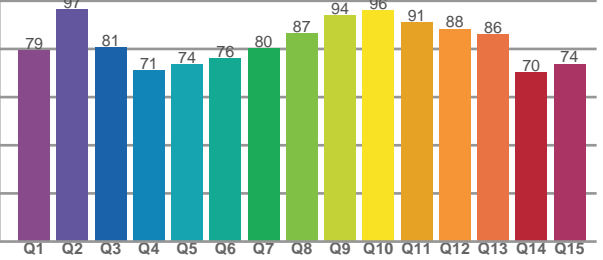
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 73,73 | 79,82 | 77,95 | 87,64 | 89,51 | 92,18 | 85,82 | 84,02 | 80,00 | 72,38 | 76,64 | 85,65 | 80,91 | 81,57 | 70,52 | 71,05 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 79,49 | 96,60 | 80,80 | 71,21 | 73,83 | 76,07 | 80,18 | 86,59 | 93,93 | 96,04 | 91,03 | 88,42 | 86,11 | 70,27 | 73,87 |

CQS: 80,9



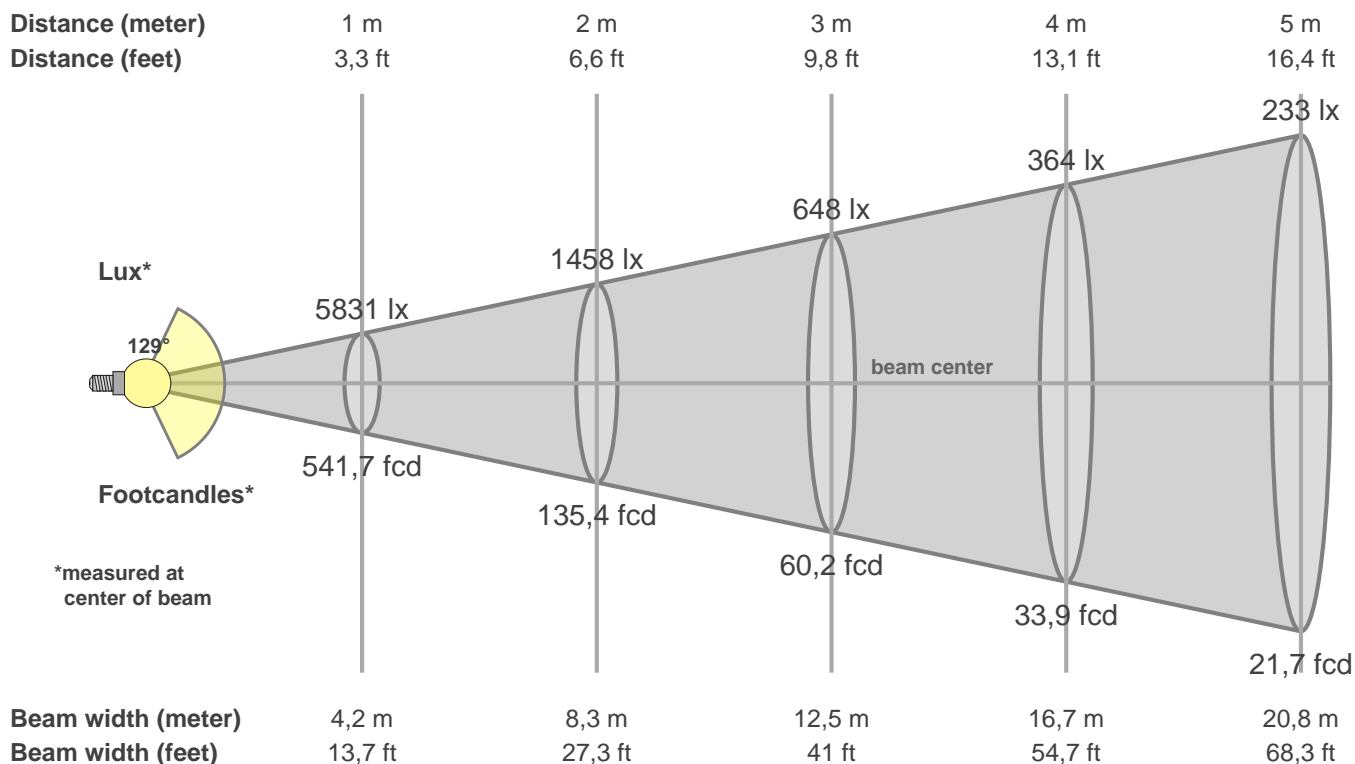
Color parameters

| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Duv |
|--------|------|--------|---------|---------|------|-----|-----|-----|-----|--------|
| 4163 K | 81,7 | -4,0 | 80,6 | 91,7 | 80,9 | 0,4 | 0,4 | 0,2 | 0,3 | 0,0019 |

СЕВЕРО-ЗАПАДНАЯ СВЕТОТЕХНИЧЕСКАЯ ЛАБОРАТОРИЯ

Beam details

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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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 5831 | 5737 | 5452 | 5083 | 4780 | 4556 | 4223 | 3744 | 3148 | 2550 | 2131 | 1787 | 1377 | 887 | 408 | 124 | 93 | 95 | 94 | 102 |
| 100% | 98% | 93% | 87% | 82% | 78% | 72% | 64% | 54% | 44% | 37% | 31% | 24% | 15% | 7% | 2% | 2% | 2% | 2% | 2% |

Intensities in 60° c-plane

| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|------|------|------|------|------|
| 5831 | 5713 | 5439 | 5008 | 4455 | 3838 | 3239 | 2636 | 1941 | 1274 | 826 | 481 | 208 | 88 | 83 | 86 | 88 | 92 | 98 | 99 |
| 100% | 98% | 93% | 86% | 76% | 66% | 56% | 45% | 33% | 22% | 14% | 8% | 4% | 2% | 1% | 1% | 2% | 2% | 2% | 2% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 5831 | 5734 | 5461 | 5076 | 4756 | 4522 | 4179 | 3683 | 3094 | 2542 | 2185 | 1841 | 1426 | 927 | 432 | 134 | 101 | 100 | 98 | 103 |
| 100% | 98% | 94% | 87% | 82% | 78% | 72% | 63% | 53% | 44% | 37% | 32% | 24% | 16% | 7% | 2% | 2% | 2% | 2% | 2% |

Intensities in 240° c-plane

| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|------|------|------|------|------|
| 5831 | 5765 | 5530 | 5131 | 4573 | 3924 | 3278 | 2629 | 1918 | 1252 | 827 | 490 | 218 | 92 | 85 | 90 | 92 | 94 | 99 | 99 |
| 100% | 99% | 95% | 88% | 78% | 67% | 56% | 45% | 33% | 21% | 14% | 8% | 4% | 2% | 1% | 2% | 2% | 2% | 2% | 2% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 128,7° | 210,3° | 237,5° | 59,3% | 38,9% |