

Photometric Details



iQ66-MC-SBDL-7.0-RD

Product name:
iQ66-MC-SBDL-7.0-RD

Date:
2/22/2019

Powering product:
IQ-PH-80-120/24

Output: 39.8 lm/ft

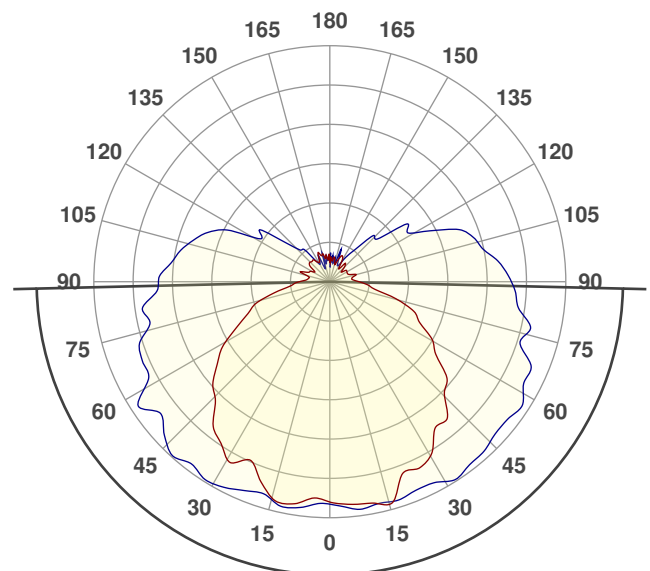
Peak: 6.51 cd

Power: 2.0 W/ft

PF: 1.0



Beam Angle



177.3°

CIE 1931
x: 0.593
y: 0.283



Light efficiency:



19 Lumen/Watt

Light quality:



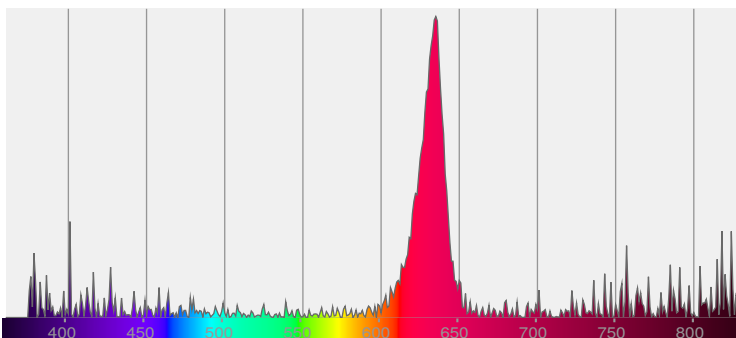
CRI: 0.0

Color temperature:

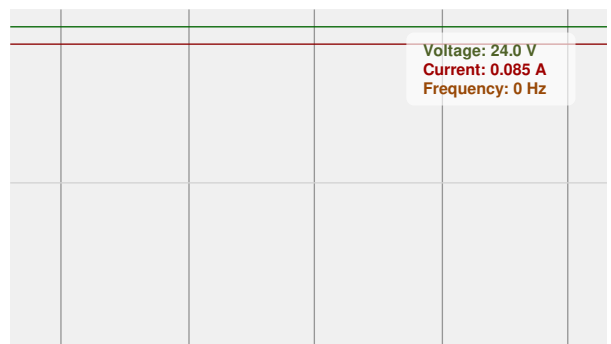


0 K

Spectra



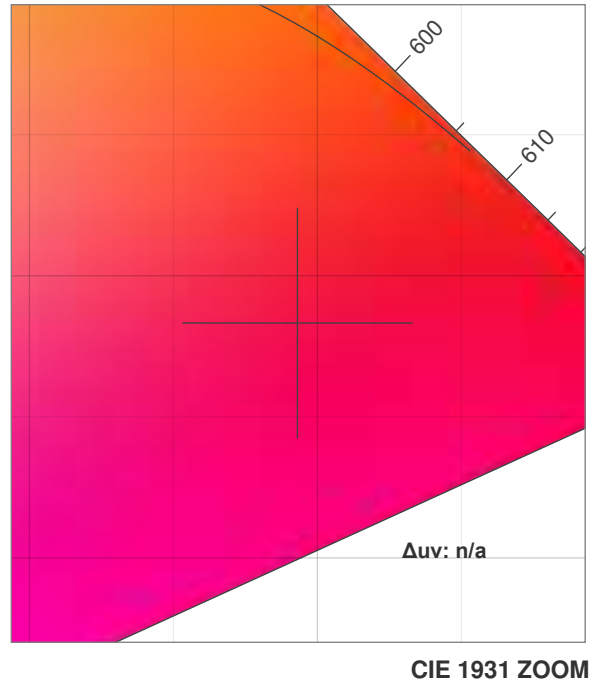
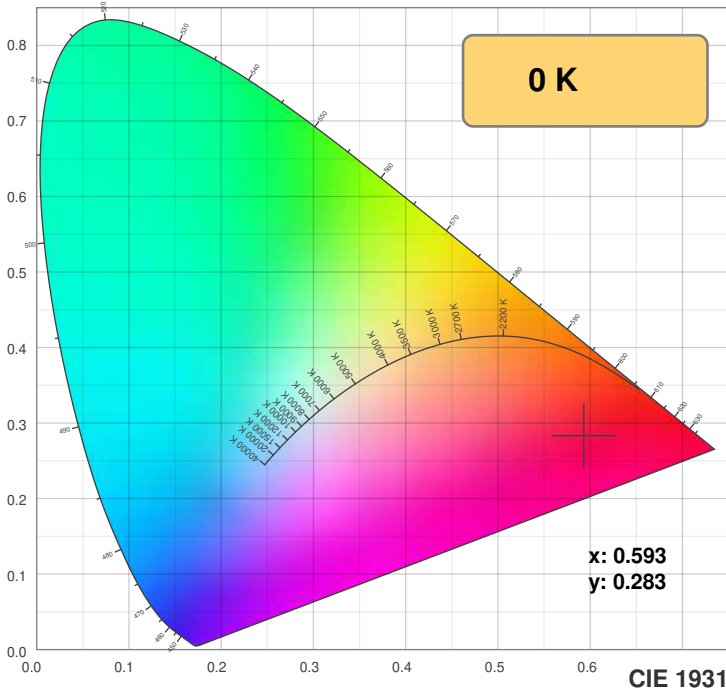
Power



Color Details

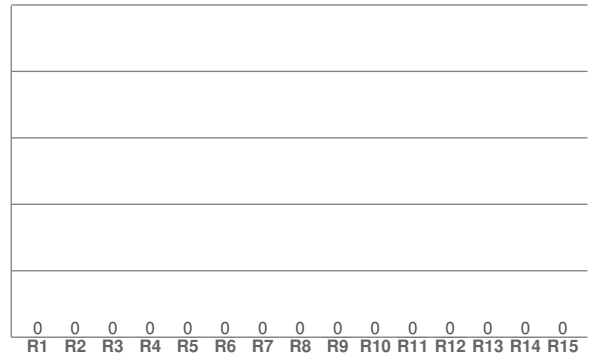
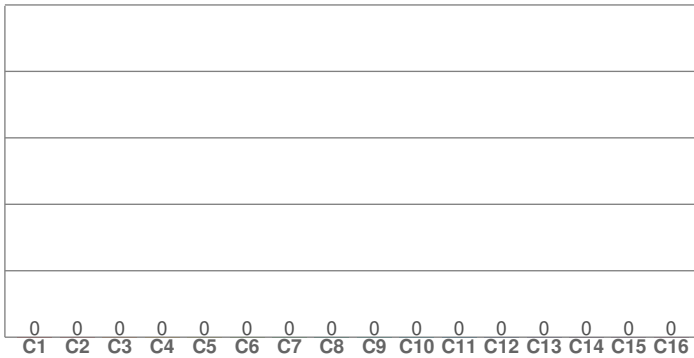


iQ66-MC-SBDL-7.0-RD



TM30: 0.0

CRI: 0.0 (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 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

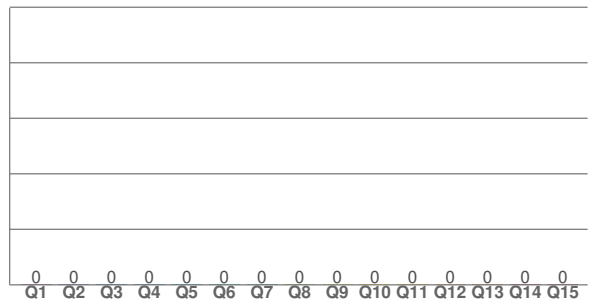
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CQS: 0.0



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 |
| 0 K | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.593 | 0.283 | 0.455 | 0.326 | n/a |

TM30 Details

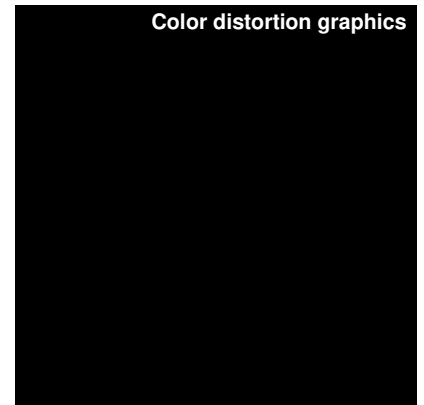
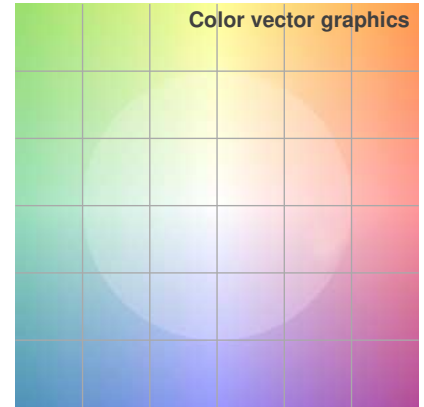
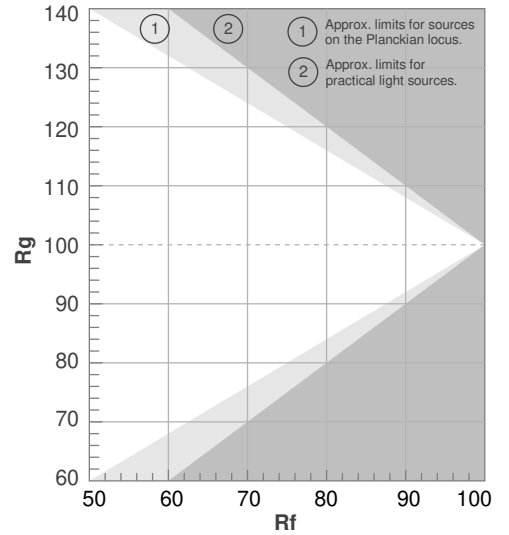


iQ66-MC-SBDL-7.0-RD

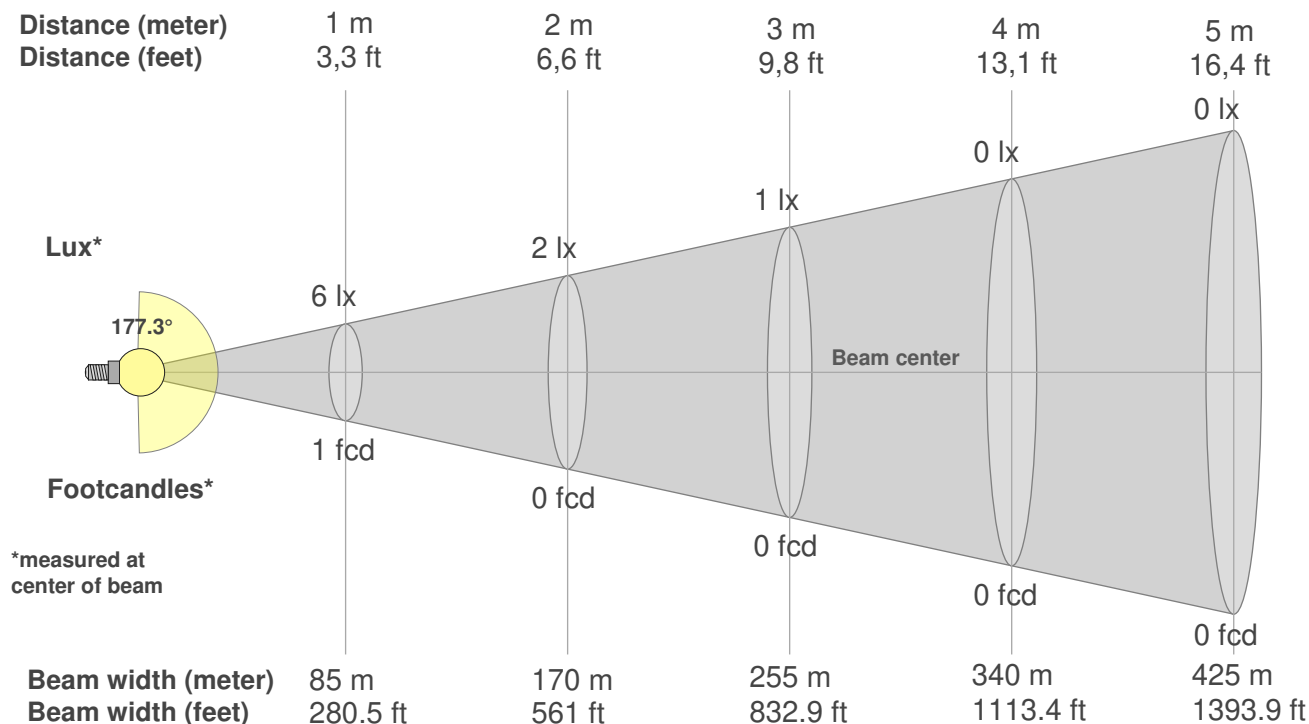
Rf 0.0
Fidelity index Rf

Rg 0.0
Gammut index Rg

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



Color Evaluation Sample



Beam intensities from 1-20m

| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |
| 6lx | 2lx | 1lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx |
| 0.6fcd | 0.1fcd | 0.1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 6.16 | 6.24 | 6.08 | 5.69 | 5.01 | 4.52 | 3.77 | 3.01 | 2.31 | 1.24 | 0.81 | 0.63 | 0.66 | 0.54 | 0.53 | 0.58 | 0.49 | 0.76 | 0.55 | 0.67 |
| 100% | 101% | 99% | 92% | 81% | 73% | 61% | 49% | 37% | 20% | 13% | 10% | 11% | 9% | 9% | 9% | 8% | 12% | 9% | 11% |

Intensities in 90° c-plane

| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 6.16 | 6.35 | 6.35 | 6.29 | 6.42 | 6.30 | 6.28 | 6.08 | 5.57 | 5.38 | 5.04 | 4.56 | 4.12 | 3.11 | 2.65 | 1.76 | 0.99 | 0.53 | 0.81 | 0.54 |
| 100% | 103% | 103% | 102% | 104% | 102% | 102% | 99% | 90% | 87% | 82% | 74% | 67% | 51% | 43% | 29% | 16% | 9% | 13% | 9% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 6.16 | 6.24 | 5.95 | 5.61 | 5.31 | 4.52 | 3.86 | 2.98 | 2.24 | 1.36 | 0.86 | 0.60 | 0.84 | 0.62 | 0.61 | 0.76 | 0.74 | 0.63 | 0.76 | 0.71 |
| 100% | 101% | 97% | 91% | 86% | 73% | 63% | 48% | 36% | 22% | 14% | 10% | 14% | 10% | 10% | 12% | 12% | 10% | 12% | 12% |

Intensities in 270° c-plane

| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 6.16 | 6.34 | 6.18 | 6.41 | 6.39 | 6.37 | 6.10 | 5.68 | 5.56 | 5.23 | 4.76 | 4.35 | 3.89 | 3.14 | 2.39 | 1.35 | 0.91 | 0.63 | 0.49 | 0.67 |
| 100% | 103% | 100% | 104% | 104% | 103% | 99% | 92% | 90% | 85% | 77% | 71% | 63% | 51% | 39% | 22% | 15% | 10% | 8% | 11% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 177.3° | 358.8° | 360° | 43.9% | 27.3% |

Photometric Details



iQ66-MC-SBDL-7.0-GR

Product name:
iQ66-MC-SBDL-7.0-GR

Date:
2/22/2019

Powering product:
IQ-PH-80-120/24

Output: 120 lm/ft

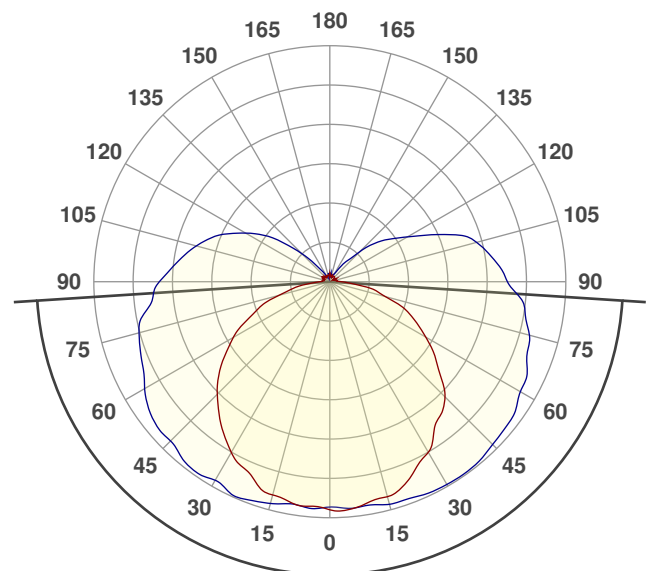
Peak: 21.2 cd

Power: 2.5 W/ft

PF: 1.0



Beam Angle



172.6°

CIE 1931
x: 0.147
y: 0.676

Light efficiency:

49 Lumen/Watt

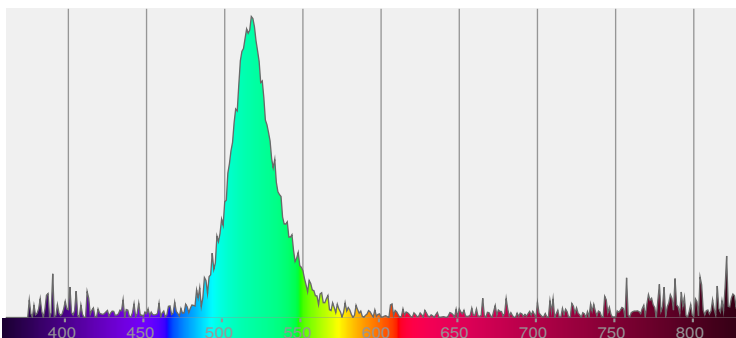
Light quality:

CRI: 0.0

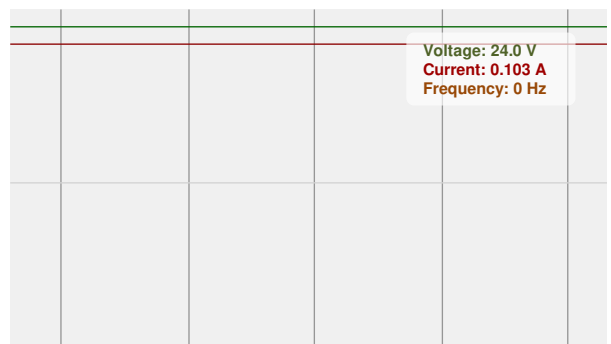
Color temperature:

0 K

Spectra



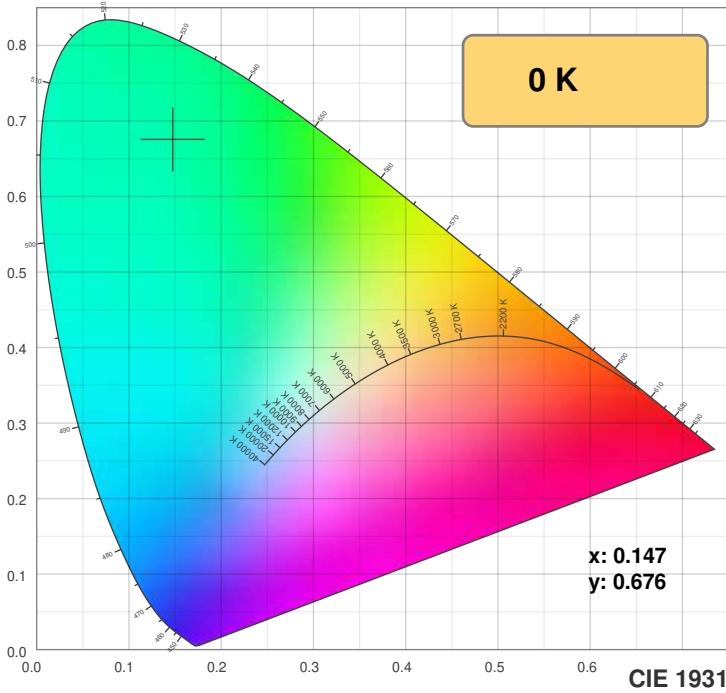
Power



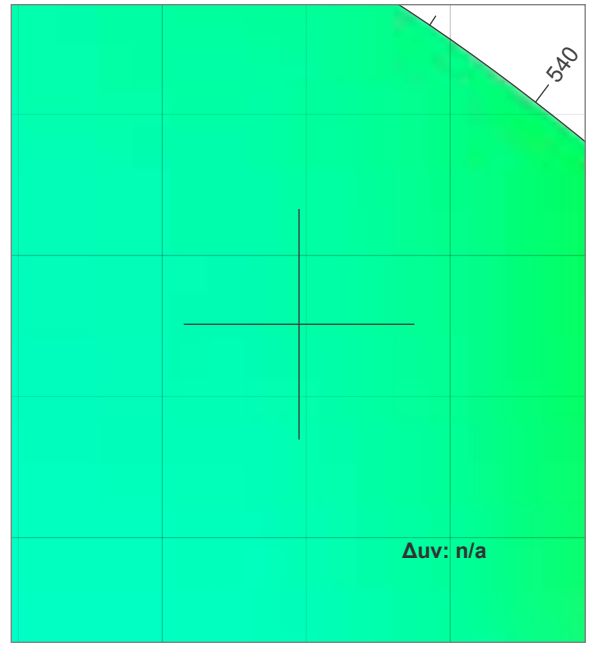
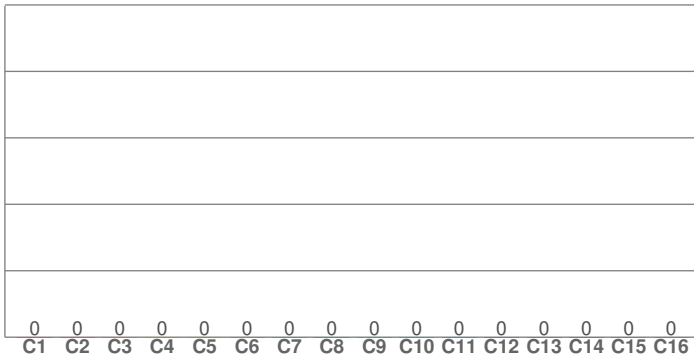
Color Details



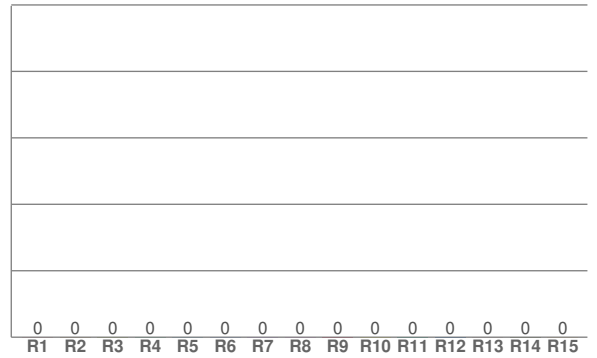
iQ66-MC-SBDL-7.0-GR



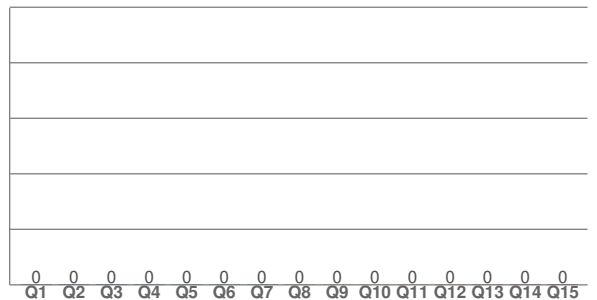
TM30: 0.0



CRI: 0.0 (R1-R8)



CQS: 0.0



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 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CQS Q values

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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 |
| 0 K | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.147 | 0.676 | 0.055 | 0.375 | n/a |

TM30 Details

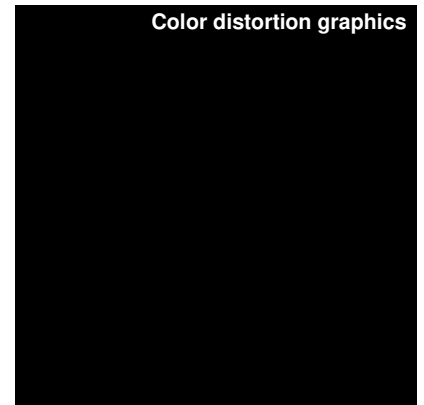
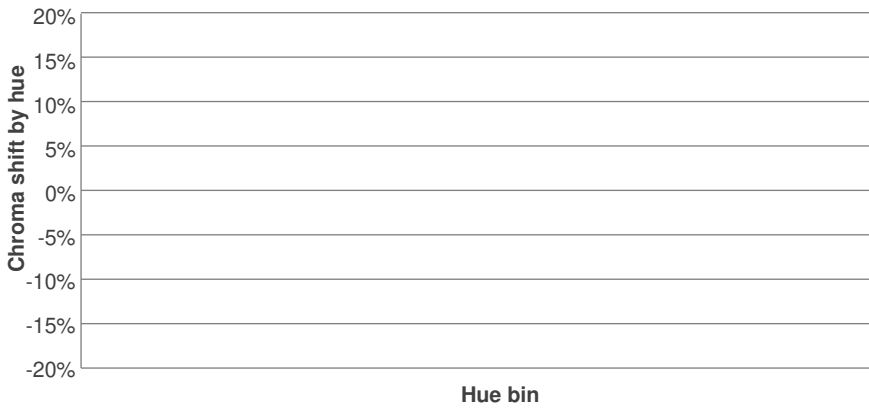
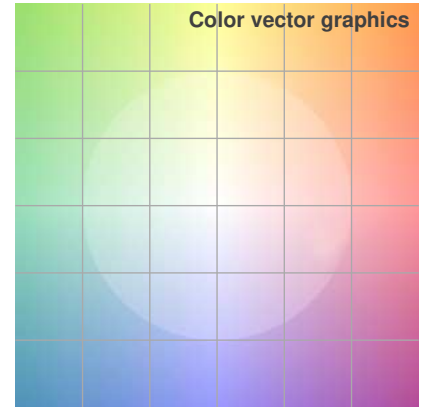
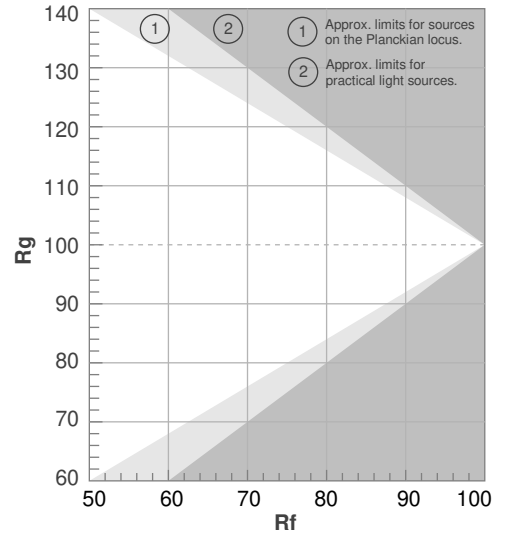


iQ66-MC-SBDL-7.0-GR

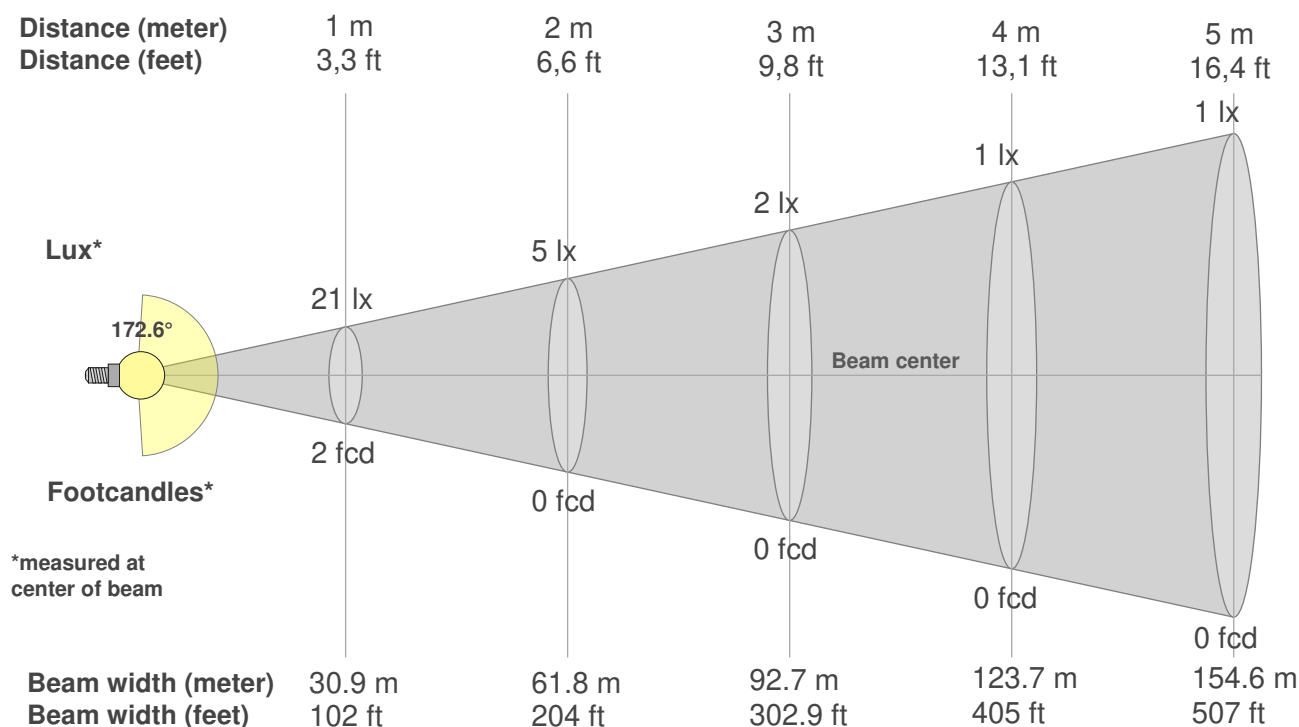
Rf 0.0
Fidelity index Rf

Rg 0.0
Gammut index Rg

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



Color Evaluation Sample



Beam intensities from 1-20m

| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |
| 21lx | 5lx | 2lx | 1lx | 1lx | 1lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx |
| 1.9fcd | 0.5fcd | 0.2fcd | 0.1fcd | 0.1fcd | 0.1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |

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° |
|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 20.5 | 20.4 | 19.9 | 18.2 | 16.2 | 14.7 | 11.8 | 9.2 | 6.5 | 3.7 | 1.1 | 0.6 | 0.4 | 0.5 | 0.6 | 0.6 | 0.6 | 0.4 | 0.6 | 0.5 |
| 100% | 99% | 97% | 89% | 79% | 72% | 58% | 45% | 32% | 18% | 5% | 3% | 2% | 3% | 3% | 3% | 3% | 2% | 3% | 2% |

Intensities in 90° c-plane

| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 20.5 | 20.6 | 20.9 | 21.1 | 21.2 | 20.8 | 20.5 | 19.8 | 18.9 | 17.9 | 16.1 | 14.8 | 13.1 | 9.2 | 6.5 | 3.9 | 1.8 | 0.7 | 0.6 | 0.7 |
| 100% | 100% | 102% | 103% | 103% | 102% | 100% | 97% | 92% | 87% | 79% | 72% | 64% | 45% | 32% | 19% | 9% | 3% | 3% | 4% |

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° |
|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 20.5 | 20.4 | 19.8 | 18.4 | 16.5 | 14.4 | 11.9 | 9.1 | 6.1 | 3.0 | 1.0 | 0.6 | 0.6 | 0.6 | 0.8 | 0.7 | 0.5 | 0.6 | 0.6 | 0.6 |
| 100% | 99% | 97% | 89% | 81% | 70% | 58% | 44% | 30% | 15% | 5% | 3% | 3% | 3% | 4% | 3% | 3% | 3% | 3% | 3% |

Intensities in 270° c-plane

| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 20.5 | 20.4 | 20.9 | 21.0 | 21.0 | 20.4 | 20.1 | 18.9 | 18.1 | 16.9 | 15.4 | 13.6 | 11.9 | 9.7 | 7.0 | 3.7 | 1.3 | 0.4 | 0.6 | 0.8 |
| 100% | 100% | 102% | 102% | 102% | 100% | 98% | 92% | 88% | 82% | 75% | 66% | 58% | 47% | 34% | 18% | 6% | 2% | 3% | 4% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 172.6° | 226° | 358.2° | 47.1% | 29.4% |

Photometric Details

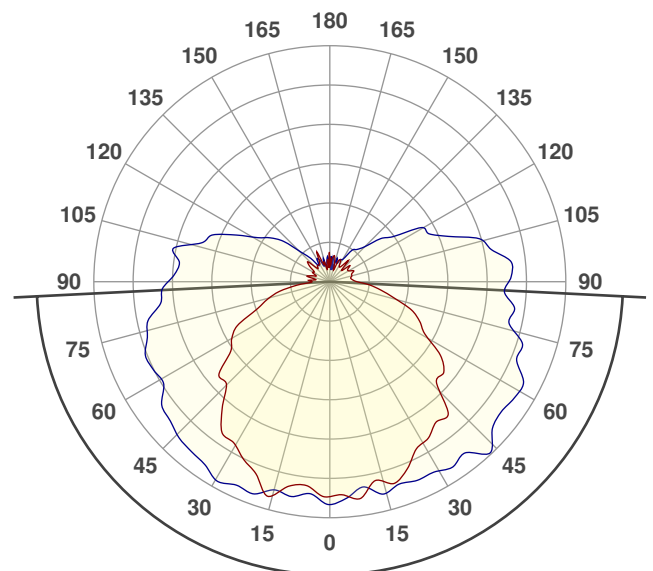


iQ66-MC-SBDL-7.0-BL

| | |
|--------------------------|---------------------|
| Product name: | iQ66-MC-SBDL-7.0-BL |
| Date: | 2/22/2019 |
| Powering product: | IQ-PH-80-120/24 |
| <hr/> | |
| Output: | 34.3 lm/ft |
| Peak: | 5.87 cd |
| Power: | 2.5 W/ft |
| PF: | 1.0 |



Beam Angle



174.3°

CIE 1931
x: 0.140
y: 0.070



Light efficiency:



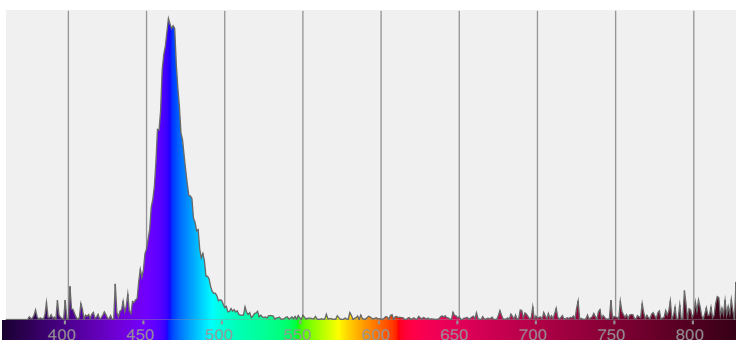
Light quality:



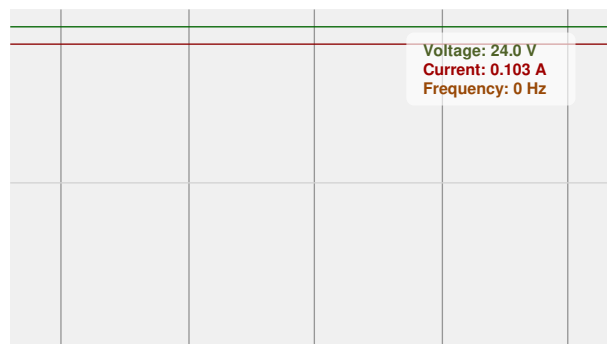
Color temperature:



Spectra



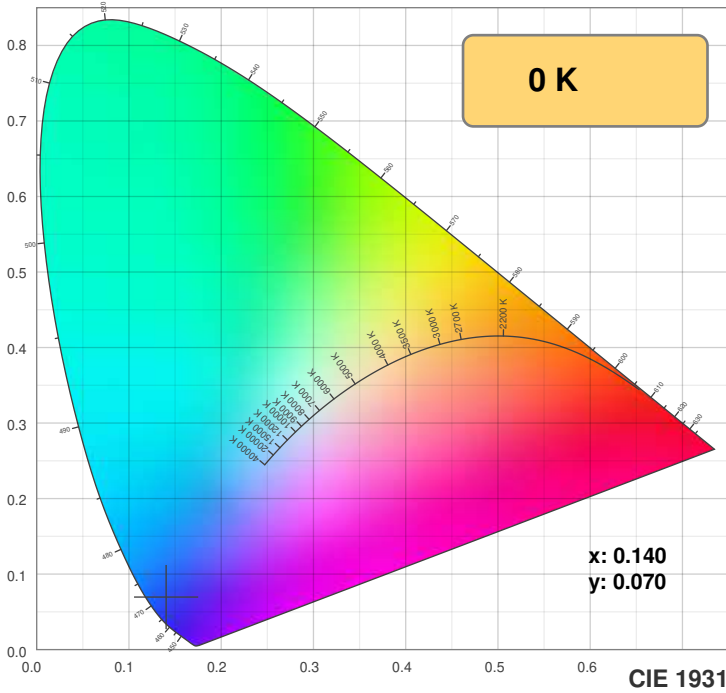
Power



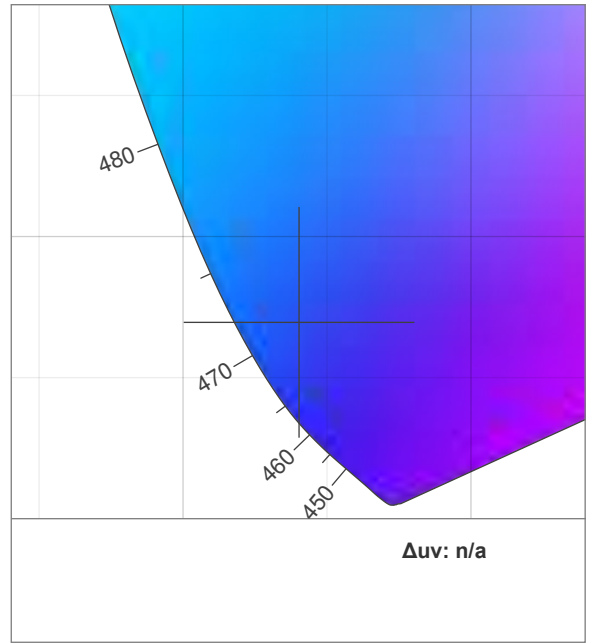
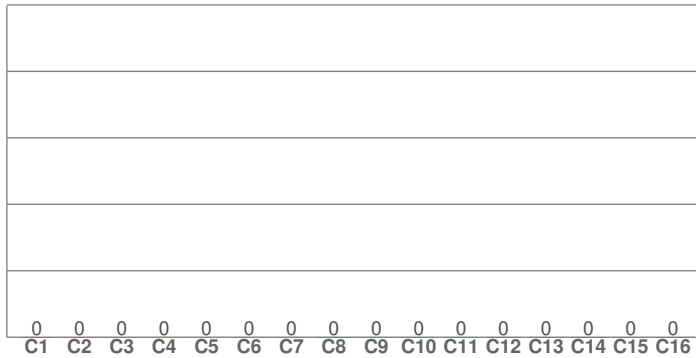
Color Details



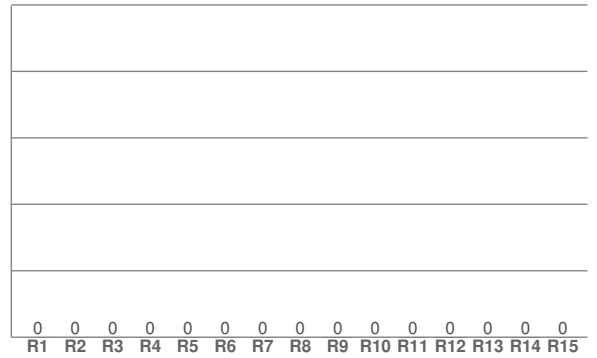
iQ66-MC-SBDL-7.0-BL



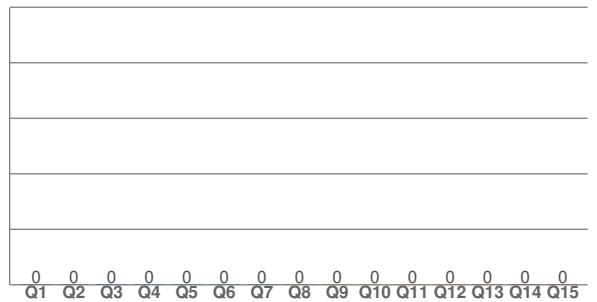
TM30: 0.0



CRI: 0.0 (R1-R8)



CQS: 0.0



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 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CQS Q values

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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 |
| 0 K | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.140 | 0.070 | 0.158 | 0.117 | n/a |

TM30 Details

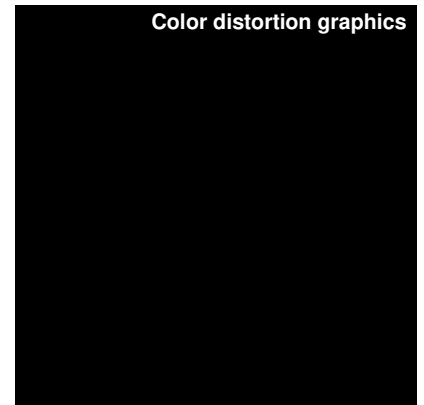
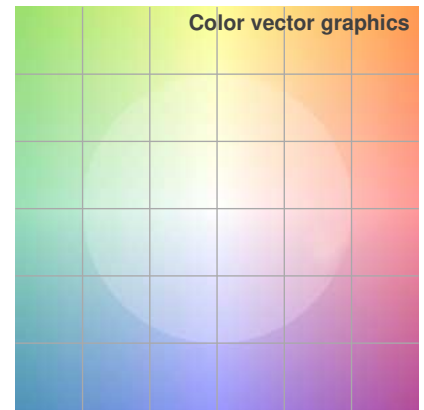
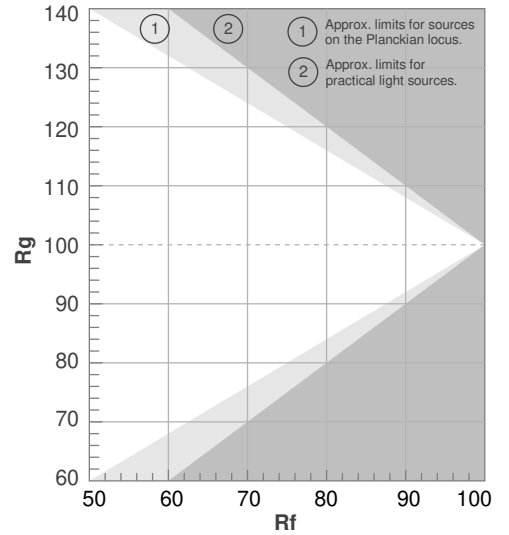


iQ66-MC-SBDL-7.0-BL

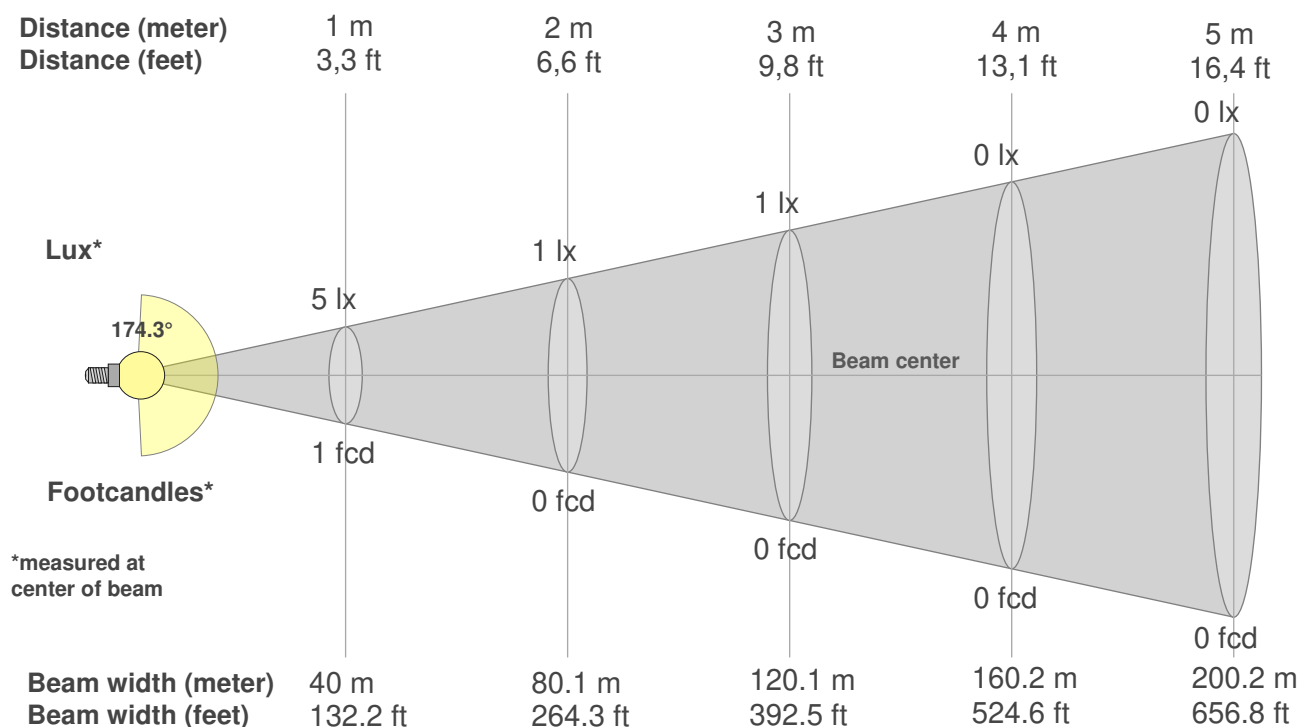
Rf 0.0
Fidelity index Rf

Rg 0.0
Gammut index Rg

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



Color Evaluation Sample



Beam intensities from 1-20m

| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |
| 5lx | 1lx | 1lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx |
| 0.5fcd | 0.1fcd | 0.1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 5.46 | 5.40 | 5.28 | 4.73 | 4.45 | 3.94 | 3.48 | 2.62 | 2.05 | 1.27 | 0.69 | 0.54 | 0.58 | 0.60 | 0.58 | 0.48 | 0.47 | 0.60 | 0.32 | 0.64 |
| 100% | 99% | 97% | 87% | 82% | 72% | 64% | 48% | 38% | 23% | 13% | 10% | 11% | 11% | 11% | 9% | 9% | 11% | 6% | 12% |

Intensities in 90° c-plane

| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 5.46 | 5.21 | 5.37 | 5.43 | 5.51 | 5.71 | 5.40 | 5.42 | 5.06 | 4.66 | 4.48 | 4.32 | 3.60 | 2.73 | 1.91 | 1.24 | 0.98 | 0.62 | 0.60 | 0.58 |
| 100% | 95% | 98% | 99% | 101% | 105% | 99% | 99% | 93% | 85% | 82% | 79% | 66% | 50% | 35% | 23% | 18% | 11% | 11% | 11% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 5.46 | 5.17 | 5.42 | 4.88 | 4.59 | 3.67 | 3.14 | 2.65 | 1.77 | 1.11 | 0.47 | 0.38 | 0.48 | 0.47 | 0.58 | 0.58 | 0.51 | 0.61 | 0.47 | 0.43 |
| 100% | 95% | 99% | 89% | 84% | 67% | 58% | 49% | 32% | 20% | 9% | 7% | 9% | 9% | 11% | 11% | 9% | 11% | 9% | 8% |

Intensities in 270° c-plane

| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 5.46 | 5.43 | 5.55 | 5.66 | 5.52 | 5.40 | 5.19 | 4.93 | 4.81 | 4.40 | 4.04 | 3.87 | 3.30 | 2.56 | 1.87 | 1.12 | 0.57 | 0.62 | 0.50 | 0.48 |
| 100% | 99% | 102% | 104% | 101% | 99% | 95% | 90% | 88% | 81% | 74% | 71% | 61% | 47% | 34% | 21% | 10% | 11% | 9% | 9% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 174.3° | 356.6° | 360° | 43.9% | 27.4% |

Photometric Details



iQ66-MC-SBDL-7.0-ALL

Product name:
iQ66-MC-SBDL-7.0-ALL

Date:
2/22/2019

Powering product:
IQ-PH-80-120/24

Output: 175 lm/ft

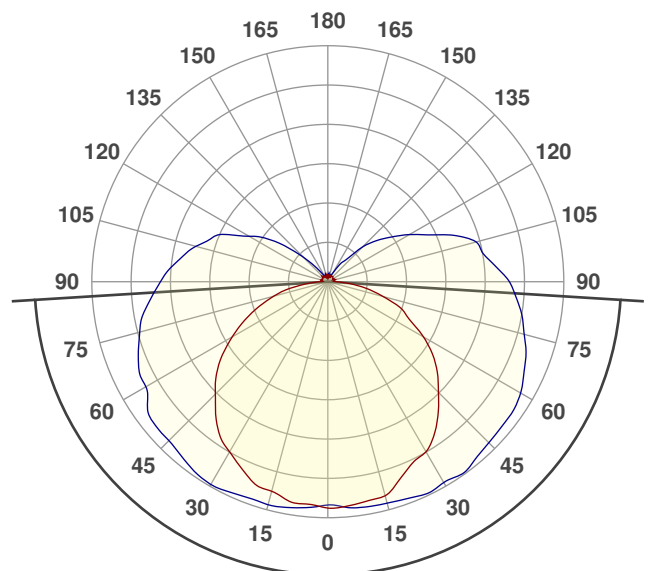
Peak: 31.1 cd

Power: 7.0 W/ft

PF: 1.0



Beam Angle



172.9°

CIE 1931
x: 0.204
y: 0.241

Light efficiency:



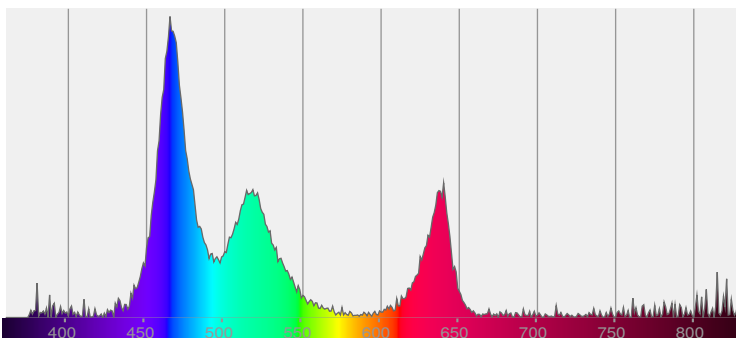
Light quality:



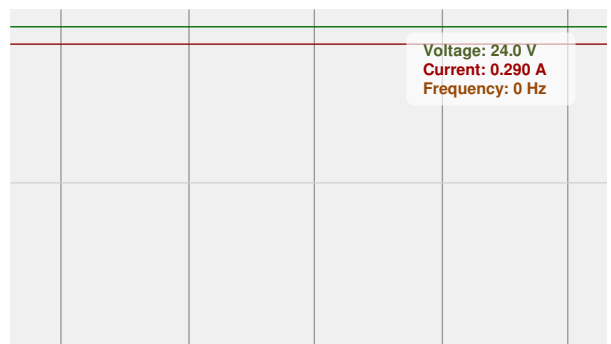
Color temperature:



Spectra



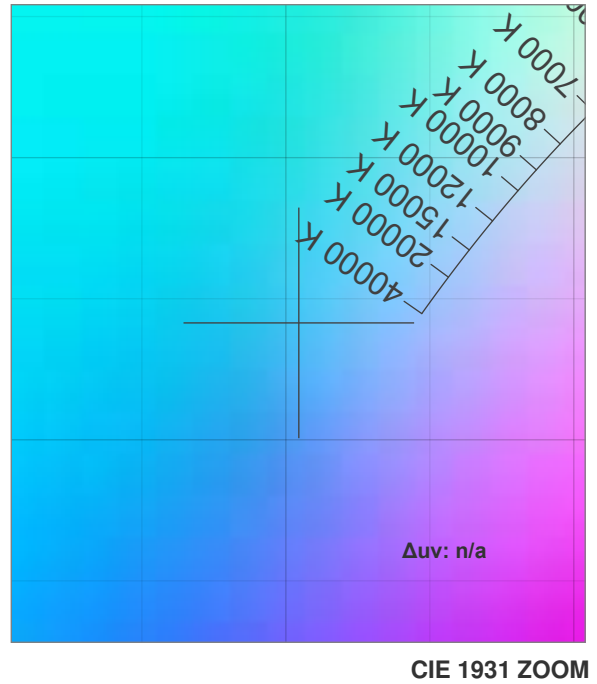
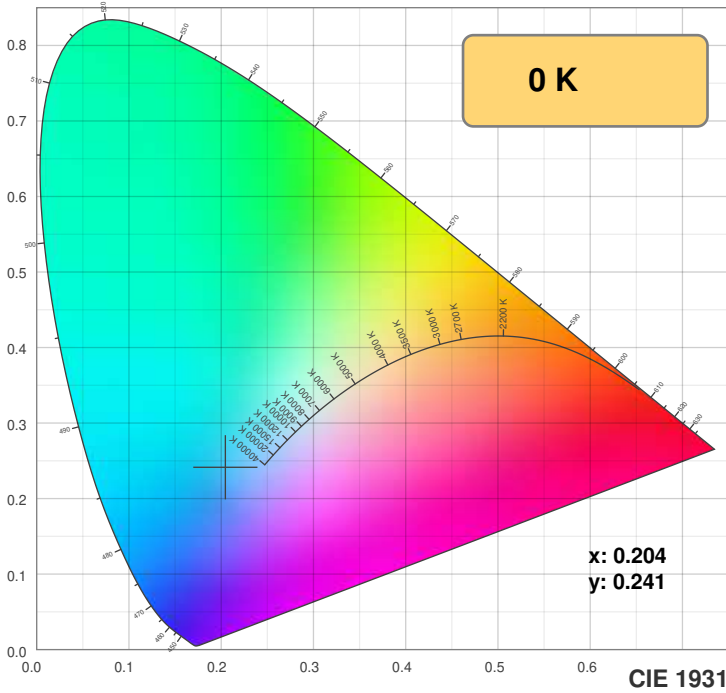
Power



Color Details

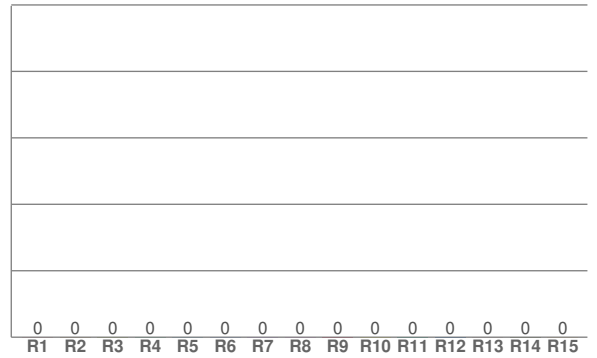
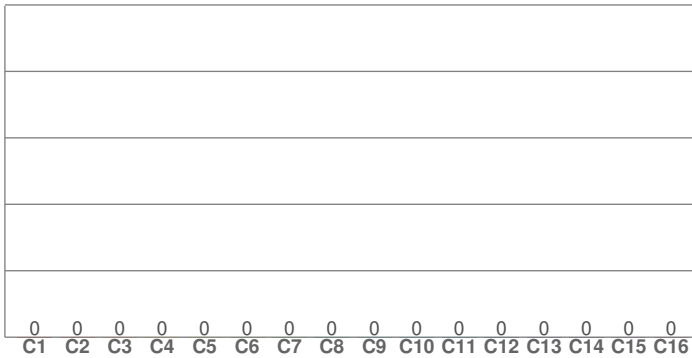


iQ66-MC-SBDL-7.0-ALL



TM30: 0.0

CRI: 0.0 (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 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

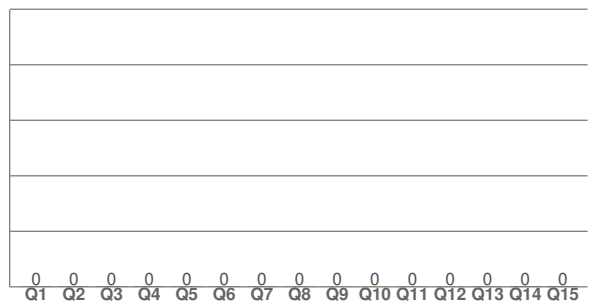
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CQS: 0.0



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 |
| 0 K | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.204 | 0.241 | 0.149 | 0.264 | n/a |

TM30 Details

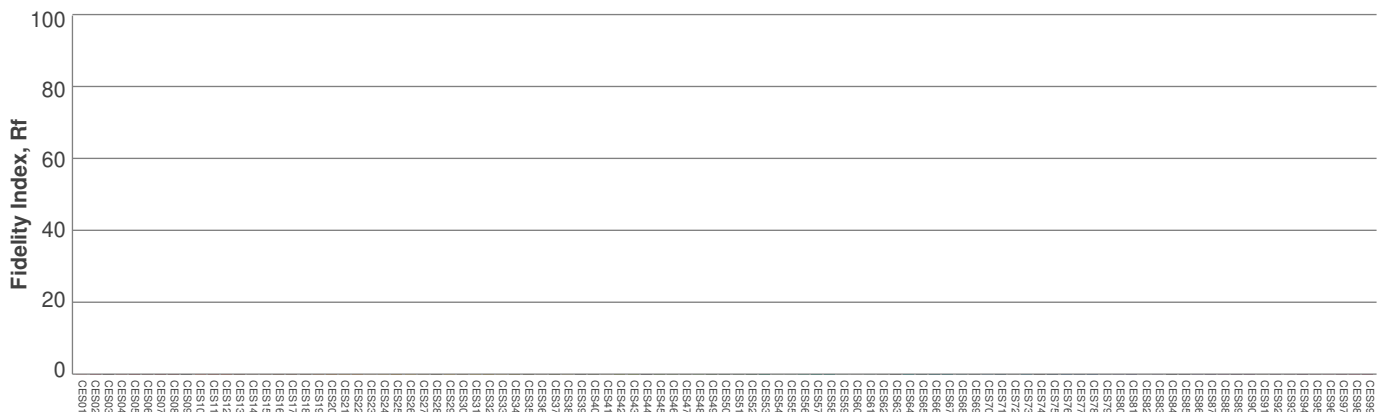
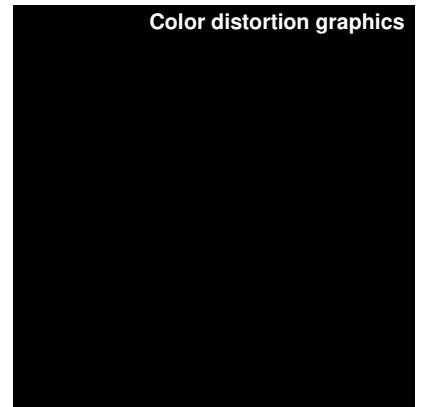
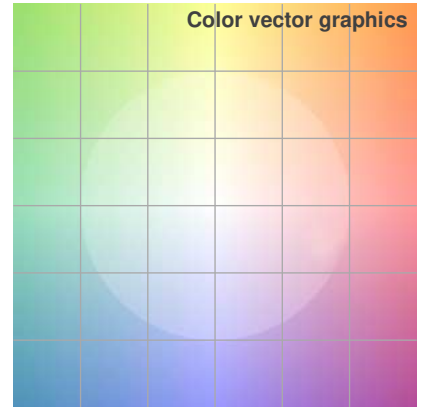
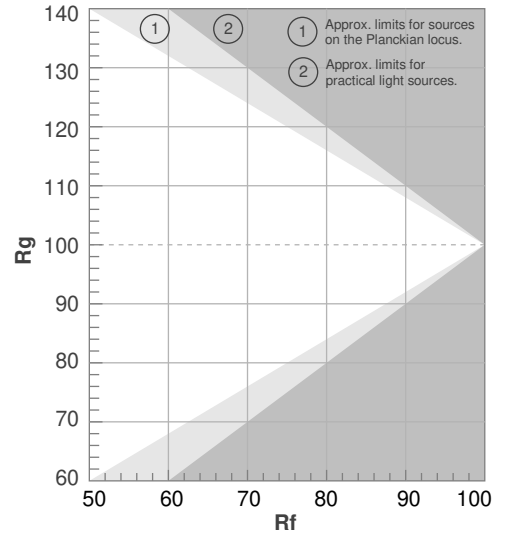


iQ66-MC-SBDL-7.0-ALL

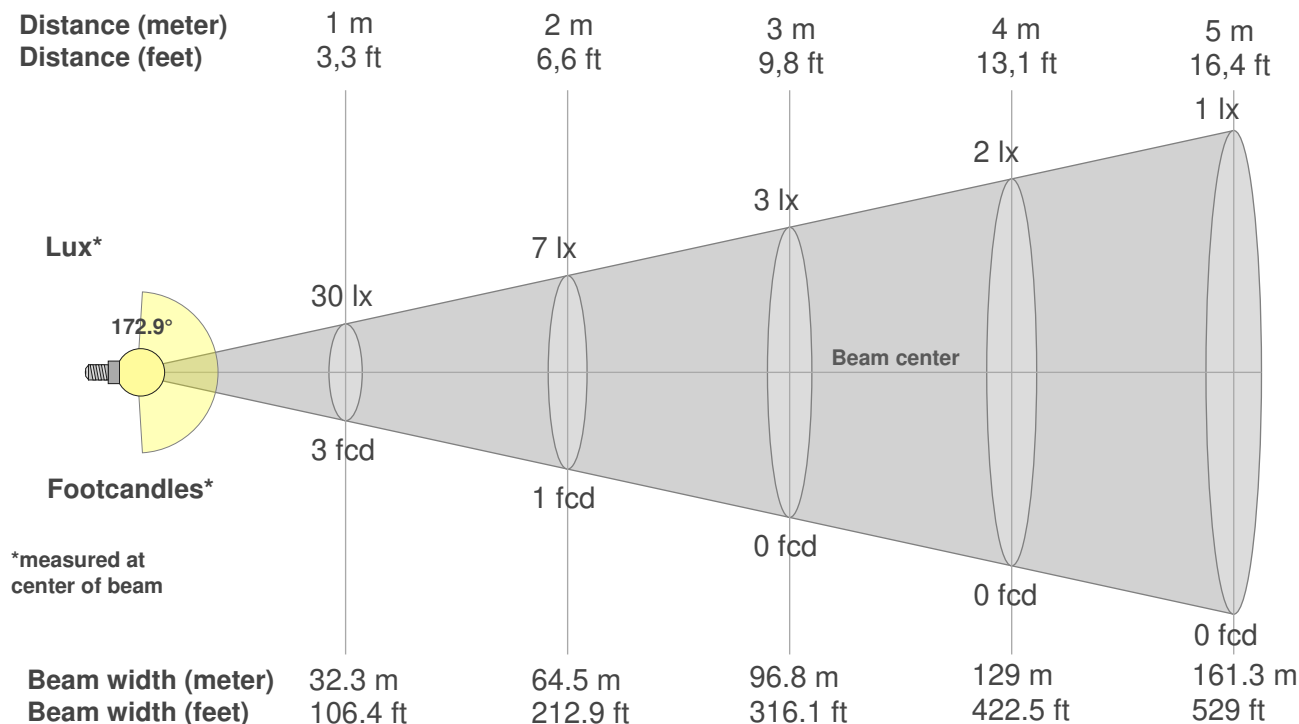
Rf 0.0
Fidelity index Rf

Rg 0.0
Gammut index Rg

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



Color Evaluation Sample



Beam intensities from 1-20m

| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |
| 30lx | 7lx | 3lx | 2lx | 1lx | 1lx | 1lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx |
| 2.8fcd | 0.7fcd | 0.3fcd | 0.2fcd | 0.1fcd | 0.1fcd | 0.1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |

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° |
|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 29.8 | 29.6 | 28.5 | 26.3 | 24.3 | 20.7 | 17.4 | 13.1 | 9.3 | 4.8 | 1.1 | 0.8 | 0.8 | 0.8 | 0.8 | 1.0 | 0.9 | 0.8 | 0.7 | 0.7 |
| 100% | 99% | 96% | 88% | 81% | 70% | 58% | 44% | 31% | 16% | 4% | 3% | 3% | 3% | 3% | 3% | 3% | 3% | 2% | 2% |

Intensities in 90° c-plane

| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 29.8 | 30.2 | 30.5 | 30.9 | 31.0 | 30.2 | 29.9 | 29.0 | 27.5 | 25.9 | 24.0 | 21.3 | 18.9 | 13.8 | 10.0 | 6.5 | 3.1 | 1.0 | 0.8 | 0.8 |
| 100% | 101% | 102% | 104% | 104% | 101% | 100% | 97% | 92% | 87% | 81% | 71% | 63% | 46% | 33% | 22% | 10% | 3% | 3% | 3% |

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° |
|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 29.8 | 29.6 | 28.6 | 26.7 | 24.5 | 21.1 | 17.6 | 13.2 | 8.8 | 4.6 | 1.1 | 0.9 | 0.8 | 0.8 | 0.8 | 1.0 | 0.8 | 0.8 | 0.7 | 0.7 |
| 100% | 99% | 96% | 90% | 82% | 71% | 59% | 44% | 30% | 15% | 4% | 3% | 3% | 3% | 3% | 3% | 3% | 3% | 2% | 2% |

Intensities in 270° c-plane

| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 29.8 | 30.3 | 30.5 | 30.9 | 30.6 | 29.8 | 29.4 | 27.8 | 26.3 | 24.5 | 22.2 | 19.8 | 17.1 | 13.6 | 9.5 | 4.7 | 1.6 | 0.8 | 1.1 | 0.8 |
| 100% | 102% | 102% | 104% | 103% | 100% | 99% | 93% | 88% | 82% | 74% | 66% | 57% | 46% | 32% | 16% | 5% | 3% | 4% | 3% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 172.9° | 225.9° | 360° | 47.2% | 29.5% |