

Light efficiency:



Light quality:



Color temperature:



Output: 27.9 lm

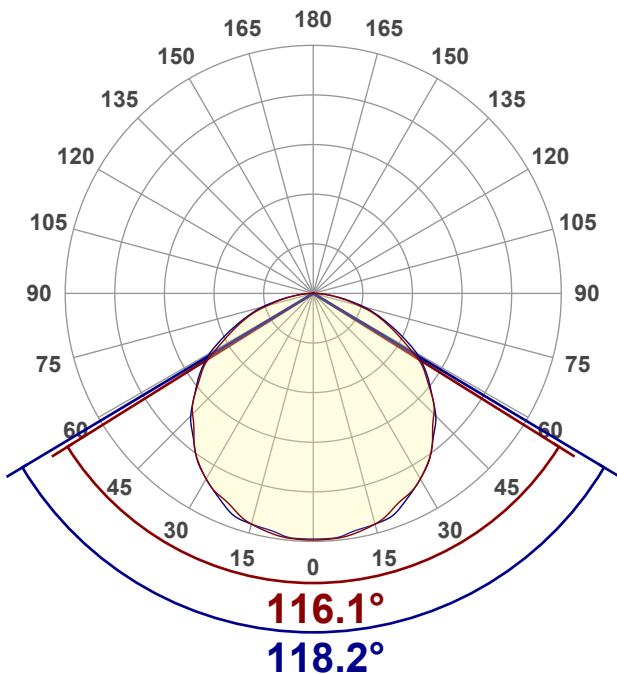
Peak: 9.39 cd

Power: 3.6 W

PF: 1.0

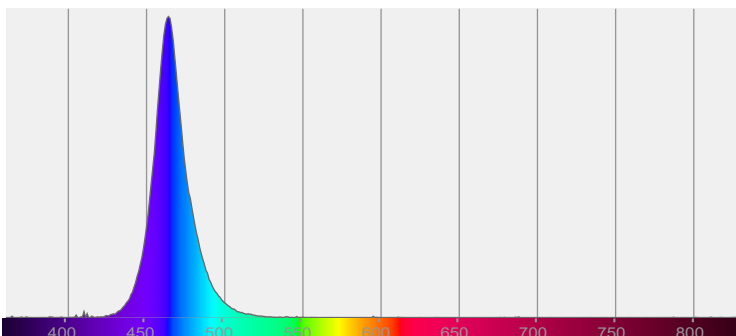


| Output | Power |
|------------|----------|
| 55.8 lm/m | 7.3 W/m |
| 17.0 lm/ft | 2.2 W/ft |



CIE 1931
x: 0.132
y: 0.054

Spectra: Peak wavelength :464
Dominant wavelength :468



Tracking number: [n/a](#)

Product name:
24V Pixel Ribbonlyte-Blue

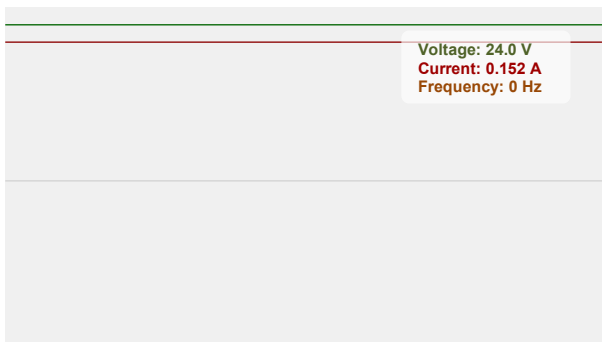
Item number:
RB0RGBADD5.3RGRS-BLUE

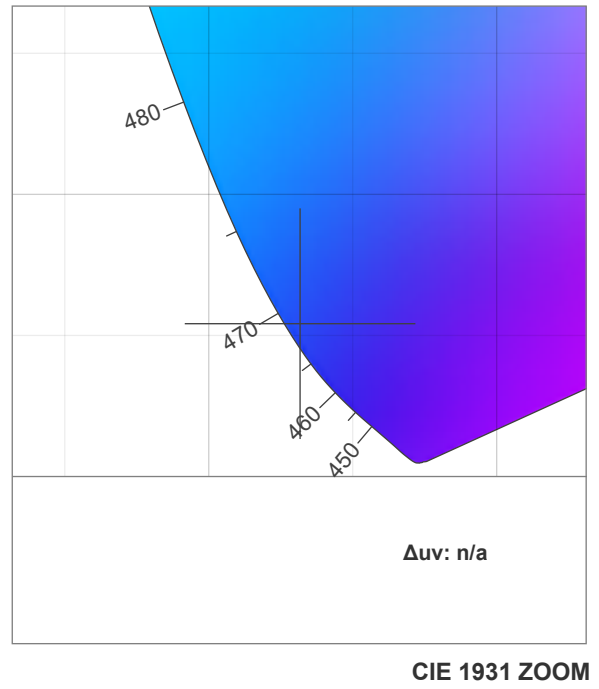
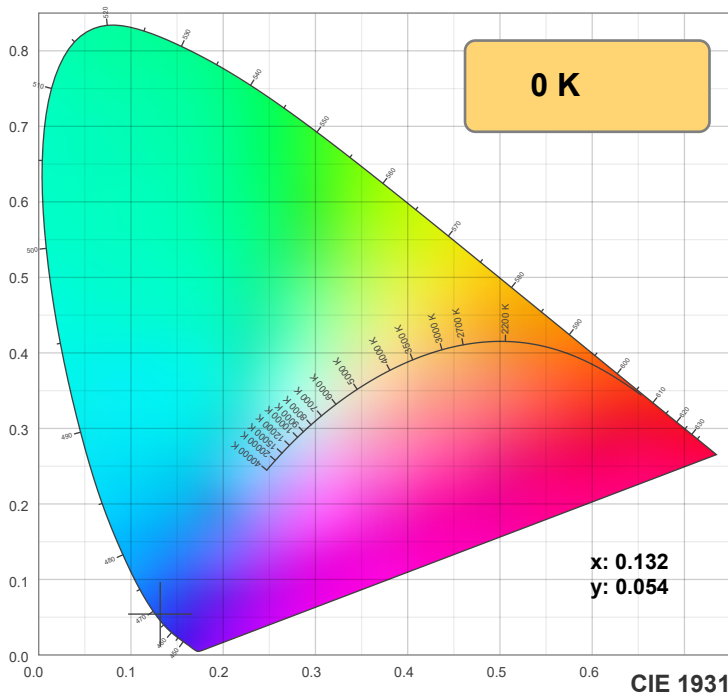
Date and time:
2025/6/9 18:27:26

Operator:
FC

Description:
RGB 0.5M

Power





TM-30: 0.0

| | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|---|
| | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 | |

CRI: 0.0 (R1-R8)

| | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|---|---|
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | | |

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

| | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|---|---|
| | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 | | |

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 | 0.132 | 0.054 | 0.156 | 0.096 | n/a |

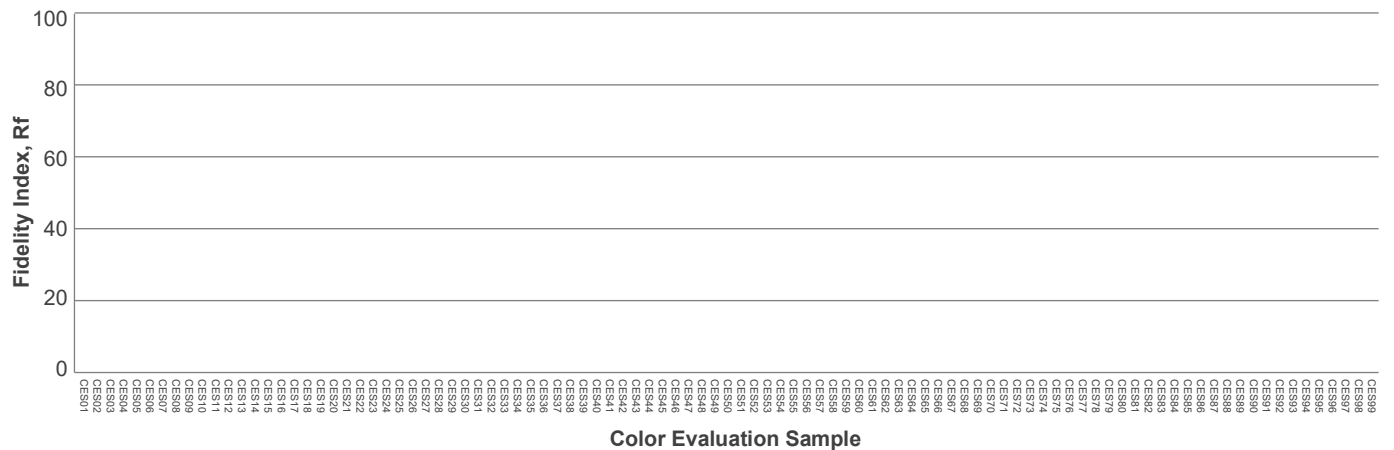
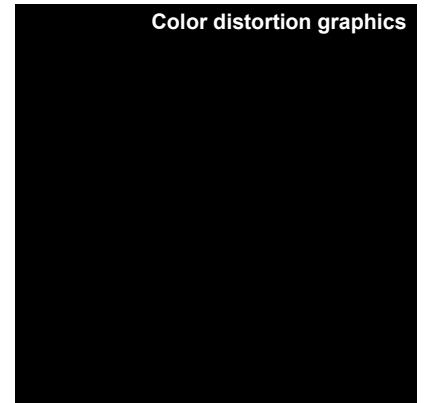
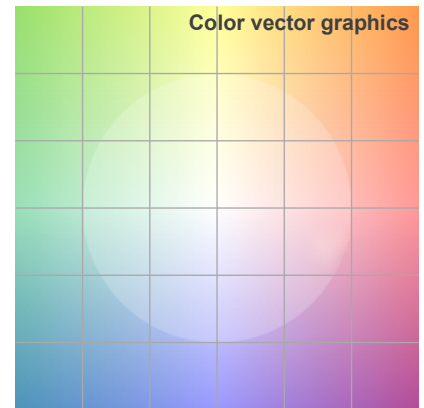
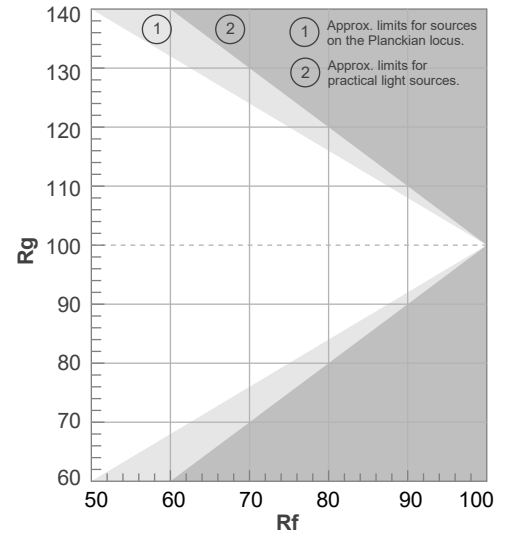
Rf 0.0

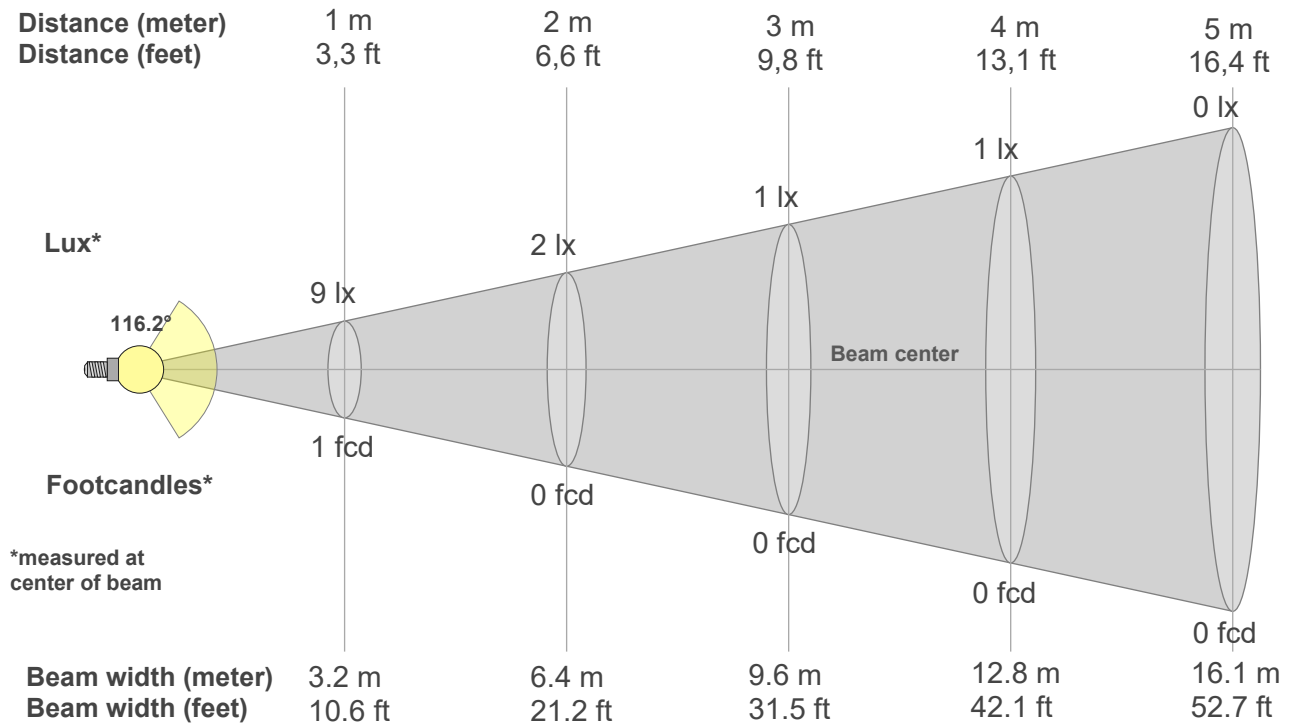
Fidelity index Rf

Rg 0.0

Gamut index Rg

| Hue Bin | R _f | 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% |





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 |
| 9lx | 2lx | 1lx | 1lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx |
| 0.9fcd | 0.2fcd | 0.1fcd | 0.1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |

Intensities in 0° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 9.38 | 9.36 | 9.26 | 9.08 | 8.77 | 8.48 | 8.14 | 7.68 | 7.08 | 6.49 | 5.85 | 5.15 | 4.30 | 3.43 | 2.67 | 1.85 | 1.09 | 0.55 | 0.15 | 0.00 |
| 100% | 100% | 99% | 97% | 94% | 90% | 87% | 82% | 75% | 69% | 62% | 55% | 46% | 37% | 28% | 20% | 12% | 6% | 2% | 0% |

Intensities in 90° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 9.38 | 9.34 | 9.17 | 9.09 | 8.96 | 8.56 | 8.15 | 7.71 | 7.12 | 6.59 | 5.87 | 5.25 | 4.54 | 3.62 | 2.78 | 2.01 | 1.16 | 0.44 | 0.03 | 0.00 |
| 100% | 100% | 98% | 97% | 96% | 91% | 87% | 82% | 76% | 70% | 63% | 56% | 48% | 39% | 30% | 21% | 12% | 5% | 0% | 0% |

Intensities in 180° c-plane

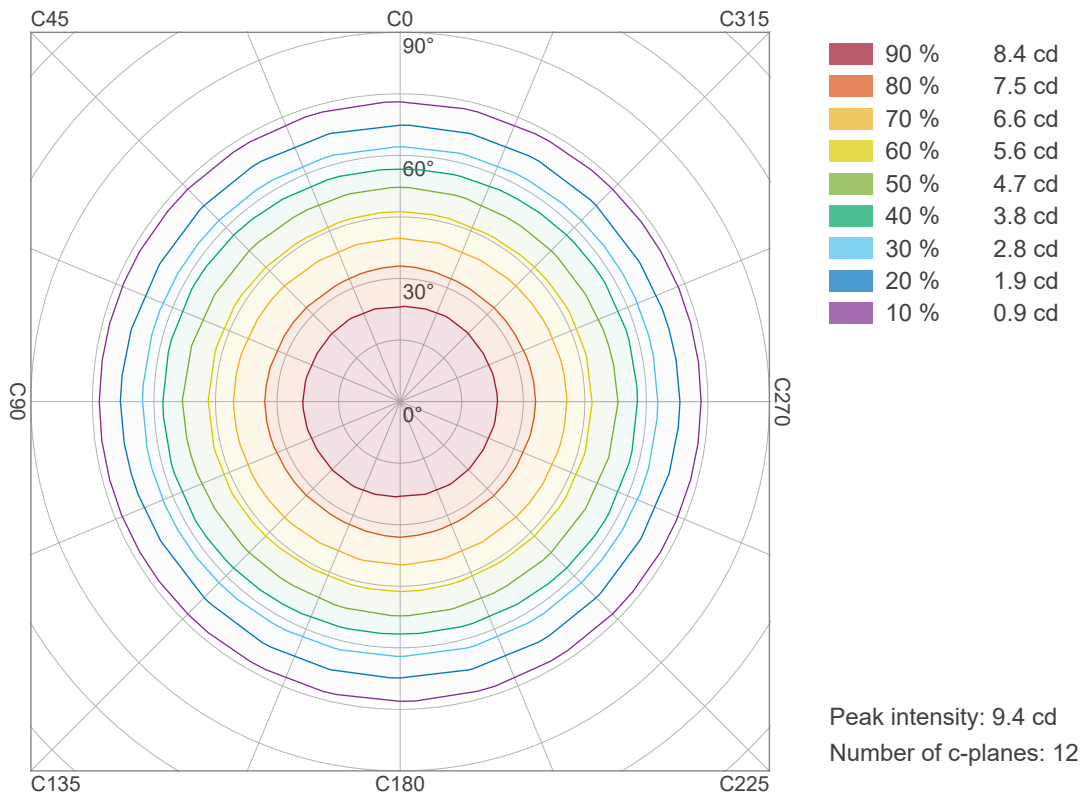
| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 9.38 | 9.36 | 9.26 | 9.08 | 8.77 | 8.48 | 8.14 | 7.68 | 7.08 | 6.49 | 5.85 | 5.15 | 4.30 | 3.43 | 2.67 | 1.85 | 1.09 | 0.55 | 0.15 | 0.00 |
| 100% | 100% | 99% | 97% | 94% | 90% | 87% | 82% | 75% | 69% | 62% | 55% | 46% | 37% | 28% | 20% | 12% | 6% | 2% | 0% |

Intensities in 270° c-plane

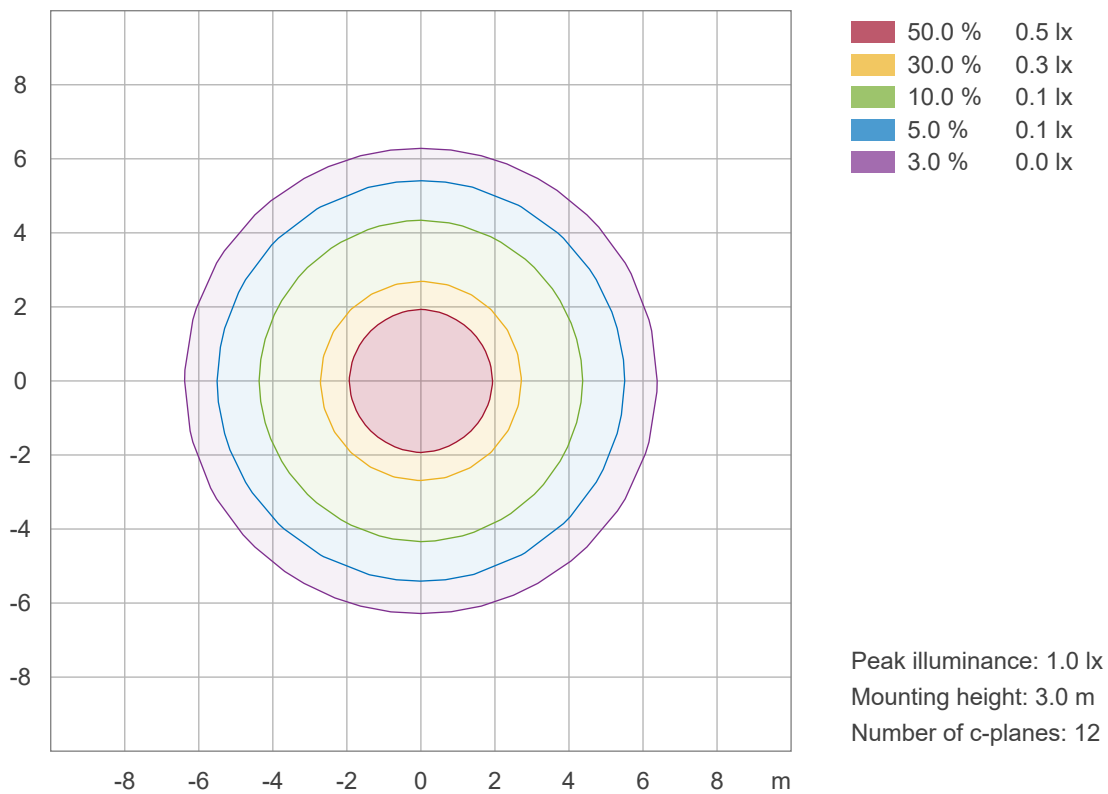
| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 9.38 | 9.34 | 9.17 | 9.09 | 8.96 | 8.56 | 8.15 | 7.71 | 7.12 | 6.59 | 5.87 | 5.25 | 4.54 | 3.62 | 2.78 | 2.01 | 1.16 | 0.44 | 0.03 | 0.00 |
| 100% | 100% | 98% | 97% | 96% | 91% | 87% | 82% | 76% | 70% | 63% | 56% | 48% | 39% | 30% | 21% | 12% | 5% | 0% | 0% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 116.2° | 162.7° | 176.8° | 78.1% | 52.6% |

Iso-candela diagram



Iso-lux diagram



Glare evaluation according to UGR

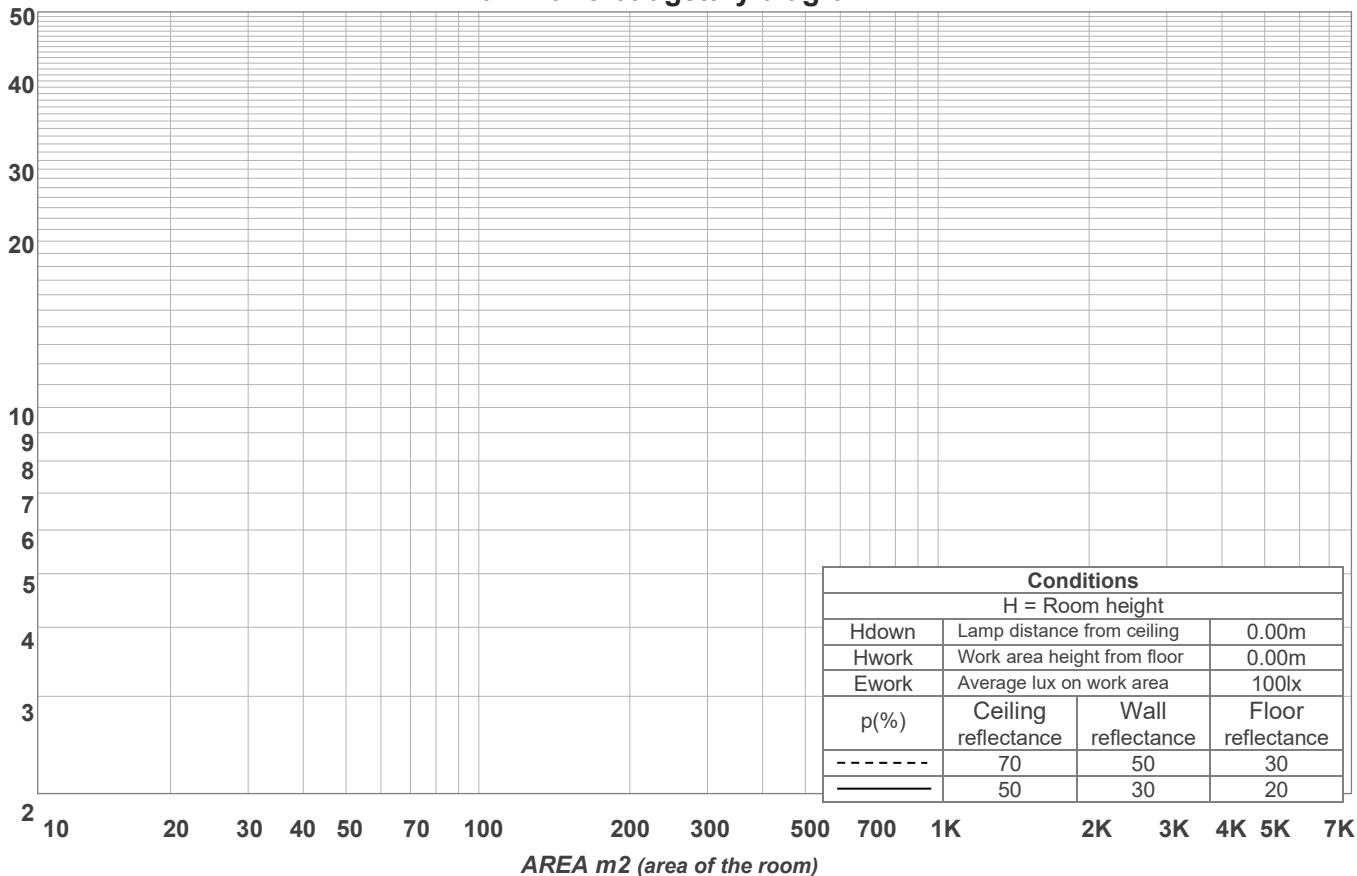
| | | | | | | | | | | | |
|--|-----|---|------|------|------|------|---|------|------|------|------|
| p Ceiling | | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| p Walls | | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| p Floor | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Room size X Y | | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | |
| 2H | 2H | 16.2 | 17.4 | 16.4 | 17.7 | 18.0 | 16.9 | 18.1 | 17.1 | 18.4 | 18.7 |
| | 3H | 17.4 | 18.7 | 17.9 | 19.0 | 19.2 | 18.4 | 19.7 | 18.8 | 19.9 | 20.1 |
| | 4H | 17.9 | 19.2 | 18.4 | 19.4 | 19.7 | 19.0 | 20.3 | 19.4 | 20.5 | 20.8 |
| | 6H | 18.3 | 19.4 | 18.6 | 19.7 | 20.1 | 19.6 | 20.6 | 19.9 | 20.9 | 21.3 |
| | 8H | 18.4 | 19.4 | 18.7 | 19.7 | 20.2 | 19.7 | 20.7 | 20.0 | 21.1 | 21.5 |
| | 12H | 18.4 | 19.4 | 18.8 | 19.8 | 20.2 | 19.8 | 20.8 | 20.1 | 21.1 | 21.6 |
| 4H | 2H | 16.8 | 18.0 | 17.2 | 18.3 | 18.6 | 17.4 | 18.6 | 17.8 | 18.9 | 19.1 |
| | 3H | 18.4 | 19.4 | 18.8 | 19.7 | 20.2 | 19.1 | 20.2 | 19.5 | 20.5 | 21.0 |
| | 4H | 18.9 | 19.8 | 19.4 | 20.3 | 20.8 | 19.8 | 20.8 | 20.3 | 21.2 | 21.7 |
| | 6H | 19.3 | 20.2 | 19.8 | 20.5 | 20.9 | 20.4 | 21.3 | 20.9 | 21.6 | 22.0 |
| | 8H | 19.4 | 20.2 | 19.9 | 20.6 | 21.0 | 20.6 | 21.4 | 21.1 | 21.8 | 22.2 |
| | 12H | 19.5 | 20.2 | 20.0 | 20.6 | 21.1 | 20.7 | 21.4 | 21.2 | 21.8 | 22.3 |
| 8H | 4H | 19.2 | 20.0 | 19.7 | 20.4 | 20.8 | 20.0 | 20.8 | 20.5 | 21.2 | 21.6 |
| | 6H | 19.7 | 20.3 | 20.2 | 20.8 | 21.3 | 20.7 | 21.3 | 21.2 | 21.8 | 22.3 |
| | 8H | 19.9 | 20.4 | 20.4 | 21.0 | 21.6 | 21.0 | 21.5 | 21.5 | 22.0 | 22.7 |
| | 12H | 20.0 | 20.5 | 20.6 | 21.0 | 21.6 | 21.2 | 21.6 | 21.7 | 22.1 | 22.7 |
| 12H | 4H | 19.2 | 19.9 | 19.7 | 20.3 | 20.8 | 20.0 | 20.7 | 20.5 | 21.1 | 21.6 |
| | 6H | 19.8 | 20.3 | 20.3 | 20.8 | 21.5 | 20.7 | 21.3 | 21.3 | 21.8 | 22.5 |
| | 8H | 20.0 | 20.4 | 20.5 | 20.9 | 21.5 | 21.0 | 21.5 | 21.6 | 22.0 | 22.6 |
| Variation of the observer position for the luminaire distance S | | | | | | | | | | | |
| S = 1.0H | | 0.1 / -0.1 | | | | | 0.1 / -0.1 | | | | |
| S = 1.5H | | 0.2 / -0.3 | | | | | 0.1 / -0.2 | | | | |
| S = 2.0H | | 0.6 / -0.7 | | | | | 0.5 / -0.6 | | | | |
| CIE 117-1995. Corrected glare indices referring to 27.9 lm total luminous flux | | | | | | | | | | | |

Coefficients of Utilization

| Ceiling reflectance | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|---------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Wall reflectance | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| Floor reflectance | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 0 |
| RCR | (RCR: Room Cavity Ratio) Room Values are expressed as percentage of Lumens delivered to the task surface | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 108 | 104 | 99 | 95 | 106 | 101 | 97 | 94 | 97 | 94 | 91 | 93 | 90 | 88 | 89 | 87 | 85 | 83 |
| 2 | 98 | 90 | 83 | 77 | 96 | 88 | 82 | 76 | 85 | 79 | 75 | 81 | 77 | 73 | 78 | 74 | 71 | 69 |
| 3 | 90 | 79 | 71 | 64 | 87 | 77 | 70 | 63 | 74 | 68 | 62 | 72 | 66 | 61 | 69 | 64 | 60 | 58 |
| 4 | 82 | 70 | 61 | 54 | 80 | 68 | 60 | 54 | 66 | 59 | 53 | 64 | 57 | 52 | 61 | 56 | 51 | 49 |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 53 | 46 | 59 | 51 | 46 | 57 | 50 | 45 | 55 | 49 | 45 | 42 |
| 6 | 69 | 56 | 47 | 40 | 68 | 55 | 46 | 40 | 53 | 46 | 40 | 51 | 45 | 39 | 50 | 44 | 39 | 37 |
| 7 | 64 | 51 | 42 | 36 | 63 | 50 | 41 | 35 | 48 | 41 | 35 | 47 | 40 | 35 | 45 | 39 | 35 | 33 |
| 8 | 60 | 46 | 38 | 32 | 58 | 45 | 37 | 32 | 44 | 37 | 31 | 43 | 36 | 31 | 42 | 36 | 31 | 29 |
| 9 | 56 | 42 | 34 | 28 | 54 | 42 | 34 | 28 | 41 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 |
| 10 | 52 | 39 | 31 | 26 | 51 | 39 | 31 | 26 | 38 | 30 | 26 | 37 | 30 | 25 | 36 | 30 | 25 | 24 |

LAMPS (number of lamps)

Luminaire budgetary diagram



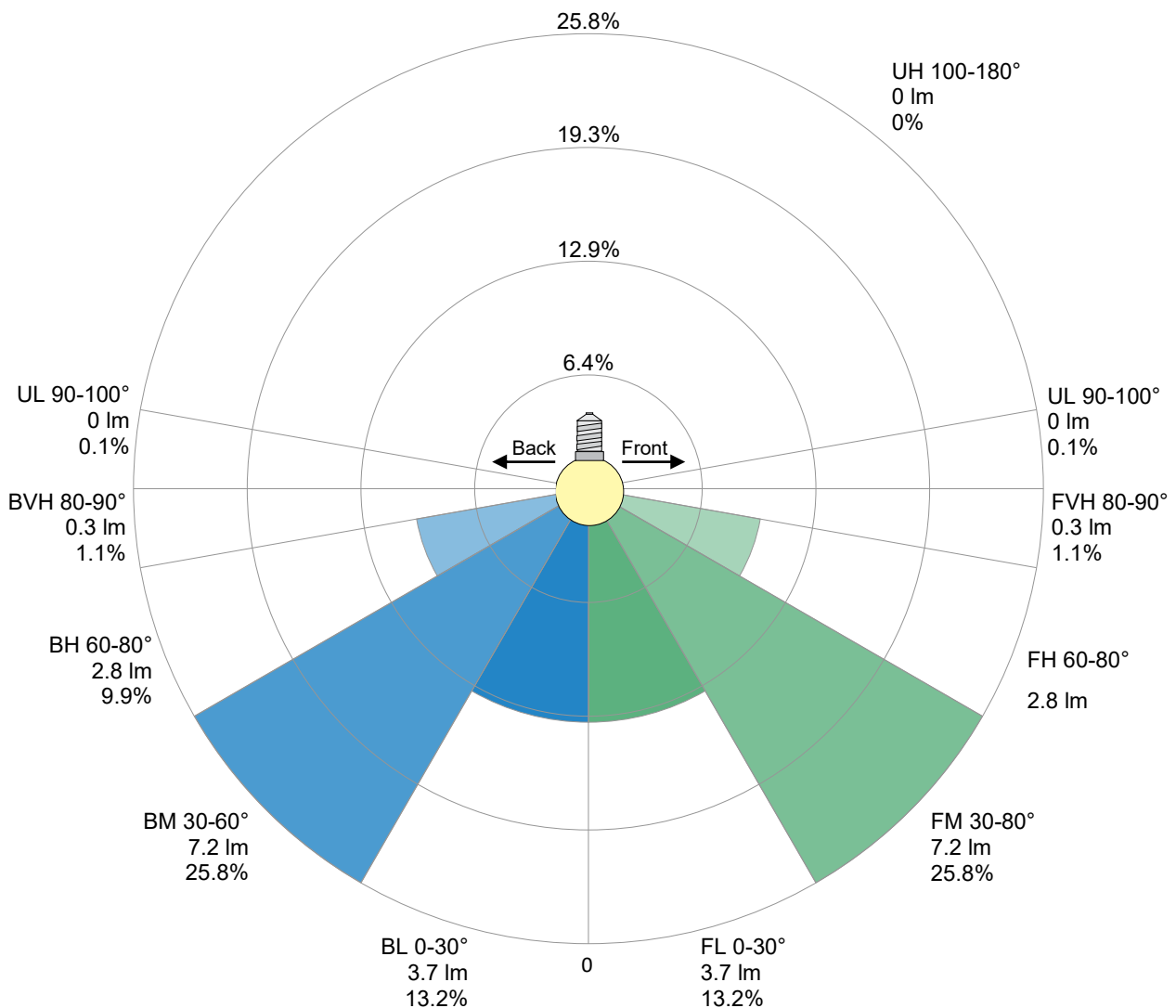
Zonal Lumen Summary

| 0°-10° | 10°-20° | 20°-30° | 30°-40° | 40°-50° | 50°-60° | 60°-70° | 70°-80° | 80°-90° |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0.889 lm | 2.56 lm | 3.93 lm | 4.77 lm | 5.01 lm | 4.60 lm | 3.51 lm | 2.00 lm | 0.597 lm |
| 90°-100° | 100°-110° | 110°-120° | 120°-130° | 130°-140° | 140°-150° | 150°-160° | 160°-170° | 170°-180° |
| 0.012 lm | 0.000 lm | 0.000 lm | 0.000 lm | 0.000 lm | 0.000 lm | 0.000 lm | 0.000 lm | 0.000 lm |

LCS table

| BUG rating: | B0 U0 G0 | |
|-------------------|----------|----------|
| Forward light | Lumens | Lumens % |
| Low(0-30): | 3.7 | 13.2% |
| Medium(30-60): | 7.2 | 25.8% |
| High(60-80): | 2.8 | 9.9% |
| Very high(80-90): | 0.3 | 1.1% |
| Back light | | |
| Low(0-30): | 3.7 | 13.2% |
| Medium(30-60): | 7.2 | 25.8% |
| High(60-80): | 2.8 | 9.9% |
| Very high(80-90): | 0.3 | 1.1% |
| Uplight | | |
| Low(90-100): | 0 | 0.1% |
| High(100-180): | 0 | 0% |

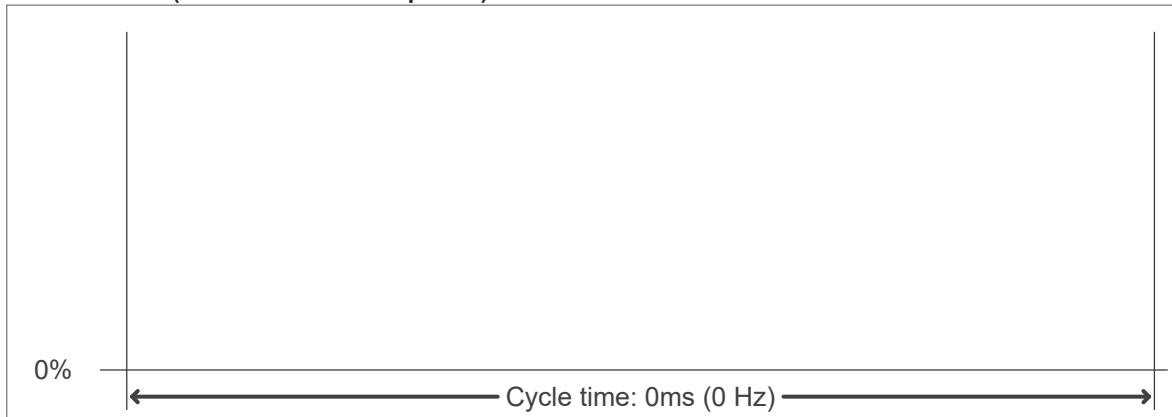
LCS graph



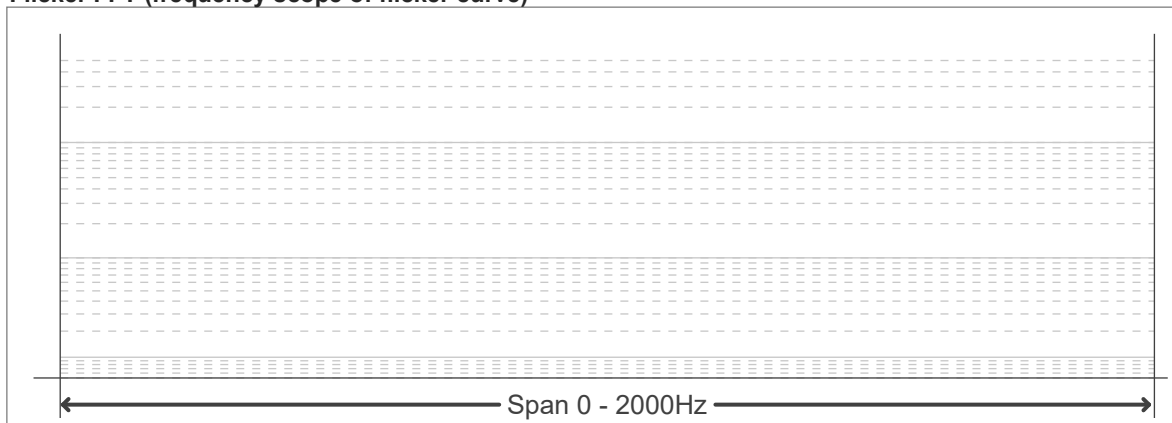
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

| Flicker frequency: | | n/a Hz | |
|-----------------------|-------|---------------|-------|
| Flicker index: | n/a | JA8/10 40Hz | n/a % |
| Flicker percentage: | n/a % | JA8/10 90Hz | n/a % |
| SVM: (Visual flicker) | n/a | JA8/10 200Hz | n/a % |
| PstLM | n/a | JA8/10 400Hz | n/a % |
| Mp | n/a | JA8/10 1000Hz | n/a % |

Flicker conditions:

| | |
|--------------|--------------------|
| Sample rate: | n/a samples/second |
|--------------|--------------------|