

## FLEX COB *SIDE-CCT*

### *Led Strip*



|                                              |                  |
|----------------------------------------------|------------------|
| Alimentazione / Operating Voltage            | 24 V             |
| Potenza / Power                              | 12 W/mt          |
| Larghezza Pcb / Width Pcb                    | 12 mm            |
| Altezza / Height Stripe                      | 2 mm             |
| Lunghezza / Length Stripe                    | 5000 mm          |
| Taglio segmento/ Length per Cut              | 50 mm            |
| N° LED                                       | COB              |
| IP                                           | 20               |
| Temperatura esercizio<br>Storage Temperature | - 30° C - + 70°C |
| Lifetime                                     | L70B20 50000H    |

|                 | Flusso Luminoso (2700)<br>Luminous Flux (2700) | Flusso Luminoso (4000)<br>Luminous Flux (4000) | Colore Luce<br>Led Color |
|-----------------|------------------------------------------------|------------------------------------------------|--------------------------|
| DA-COB-SIDE-CCT | 277 lm/mt                                      | 519 lm/mt                                      | 2700 K - 4000 K          |



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RoHS  
Compliant

CRI>90

## FLEX COB SIDE-CCT (2700 K)

*Led Strip*

Light efficiency:

**59 Lumen/Watt**

Light quality:

**CRI: 91,5**

Color temperature:

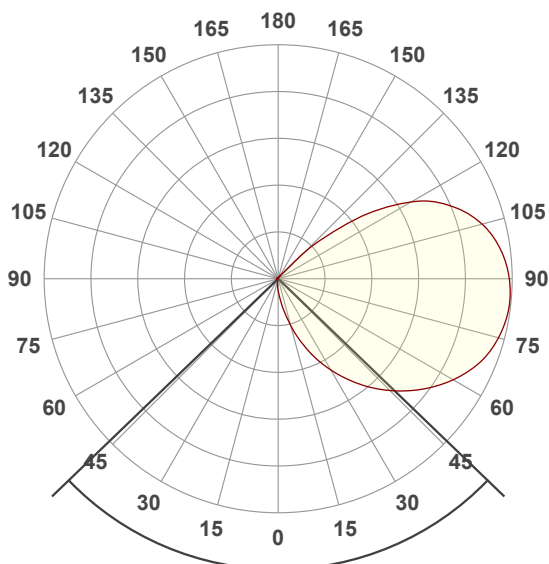
**2793 K**

**Output: 594 lm**

**Peak: 142 cd**

**Power: 10,0 W**

**24,0V @ 0,417A**



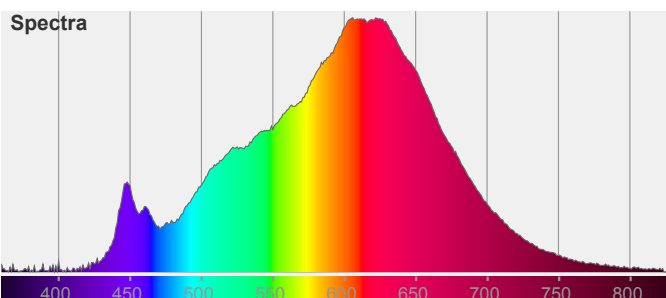
Beam angle

**92,2°**

Color



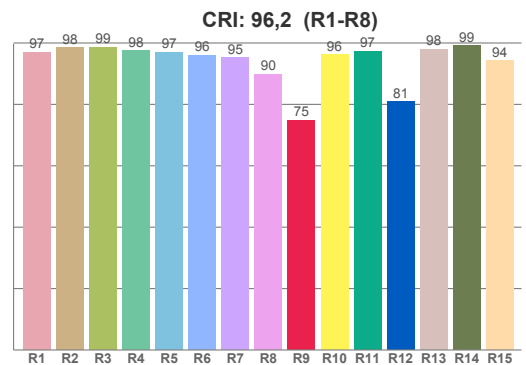
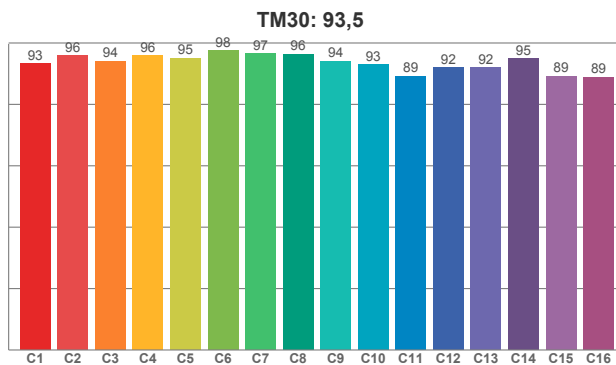
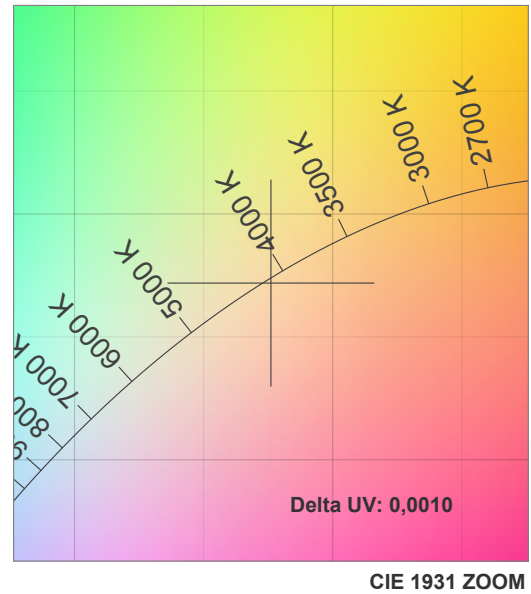
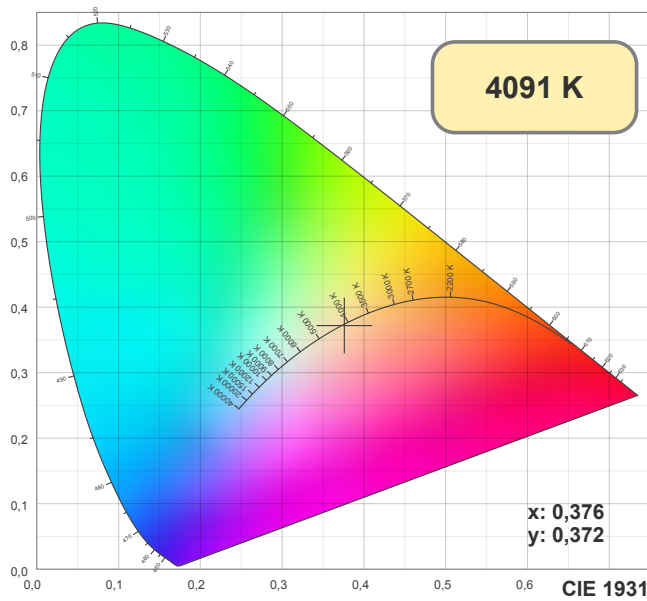
CIE1931  
x: 0,456  
y: 0,416



Light measurement was created using the Viso Systems - Light Inspector. [www.visosystems.com](http://www.visosystems.com)

# FLEX COB SIDE-CCT (2700 K)

## Led Strip



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

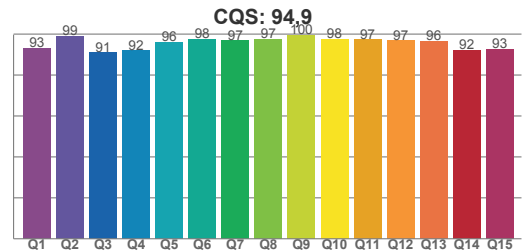
| R1    | R2    | R3    | R4    | R5    | R6    | R7    | R8    | R9    | R10   | R11   | R12   | R13   | R14   | R15   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 97,06 | 98,48 | 98,64 | 97,56 | 97,01 | 96,00 | 95,24 | 89,81 | 74,82 | 96,17 | 97,37 | 80,85 | 97,97 | 99,15 | 94,31 |

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   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 93,35 | 95,81 | 94,10 | 95,95 | 95,02 | 97,54 | 96,60 | 96,39 | 94,06 | 92,88 | 89,24 | 91,88 | 91,91 | 94,94 | 89,17 | 88,85 |

CQS Q values

| Q1    | Q2    | Q3    | Q4    | Q5    | Q6    | Q7    | Q8    | Q9    | Q10   | Q11   | Q12   | Q13   | Q14   | Q15   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 93,03 | 98,91 | 90,90 | 91,88 | 96,12 | 97,64 | 96,80 | 97,48 | 99,67 | 97,56 | 97,33 | 96,81 | 96,42 | 92,32 | 92,65 |

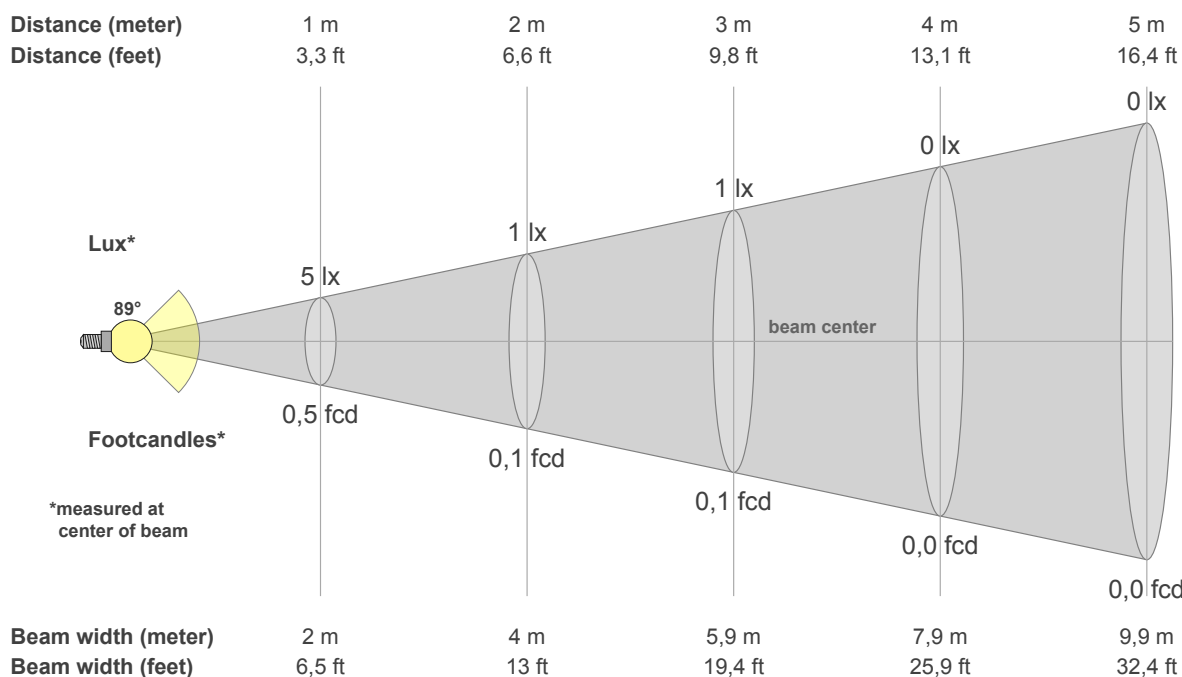


### Color parameters

| CCT    | CRI  | CRI R9 | TM30 Rf | TM30 Rg | CQS  | x   | y   | u   | v   | Duv     |
|--------|------|--------|---------|---------|------|-----|-----|-----|-----|---------|
| 4091 K | 96,2 | 74,8   | 93,5    | 100,0   | 94,9 | 0,4 | 0,4 | 0,2 | 0,3 | -0,0010 |

## FLEX COB SIDE-CCT (2700 K)

### Led Strip



#### 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°   |
|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5    | 8    | 13   | 21   | 31   | 41   | 50   | 60    | 69    | 78    | 87    | 95    | 103   | 110   | 115   | 119   | 122   | 123   | 124   | 123   |
| 100% | 161% | 250% | 418% | 600% | 792% | 986% | 1175% | 1358% | 1534% | 1702% | 1863% | 2016% | 2143% | 2248% | 2330% | 2380% | 2410% | 2421% | 2399% |

#### 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°   |
|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5    | 8    | 13   | 21   | 31   | 41   | 50   | 60    | 69    | 78    | 87    | 95    | 103   | 110   | 115   | 119   | 122   | 123   | 124   | 123   |
| 100% | 161% | 250% | 418% | 600% | 792% | 986% | 1175% | 1358% | 1534% | 1702% | 1863% | 2016% | 2143% | 2248% | 2330% | 2380% | 2410% | 2421% | 2399% |

#### 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5    | 3   | 2   | 1   | 0   | 0   | 0   | 0   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 100% | 65% | 35% | 18% | 10% | 7%  | 8%  | 10% | 10% | 11% | 12% | 13% | 14% | 14% | 16% | 15% | 15% | 15% | 16% | 15% |

#### 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5    | 3   | 2   | 1   | 0   | 0   | 0   | 0   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 100% | 65% | 35% | 18% | 10% | 7%  | 8%  | 10% | 10% | 11% | 12% | 13% | 14% | 14% | 16% | 15% | 15% | 15% | 16% | 15% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 89,3°          | 132,0°          | 154,3°            | 20,5%                        | 9,0%                        |

## FLEX COB SIDE-CCT (4000 K)

*Led Strip*

Light efficiency:

**86 Lumen/Watt**

Light quality:

**CRI: 96,2**

Color temperature:

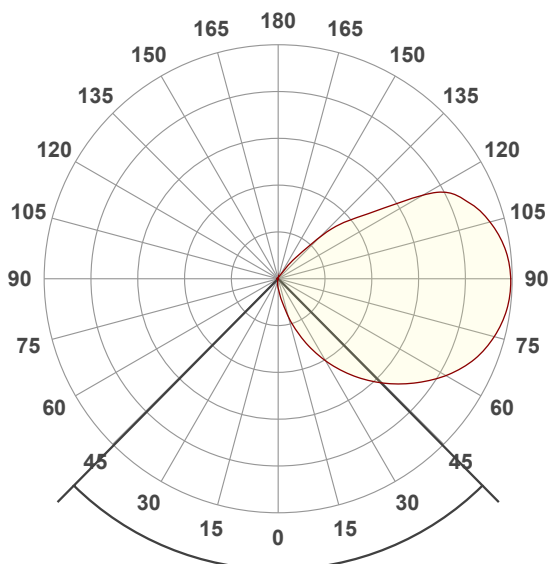
**4091 K**

**Output: 519 lm**

**Peak: 124 cd**

**Power: 6,0 W**

**24,0V @ 0,250A**



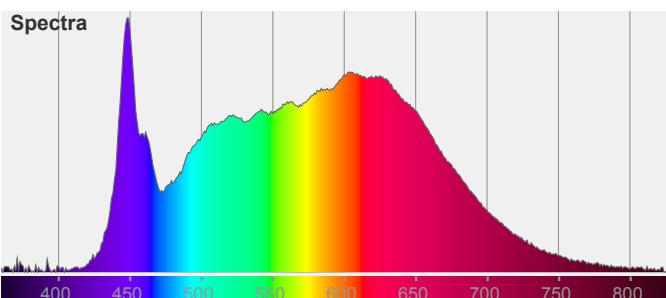
Beam angle

**89,3°**

Color



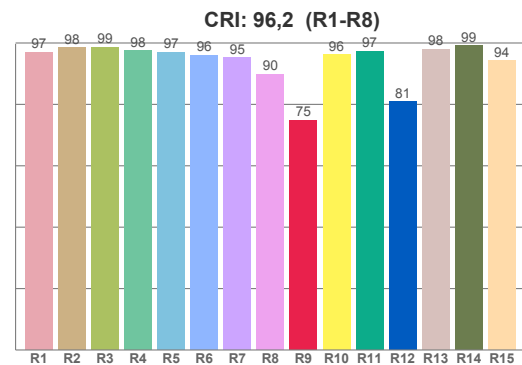
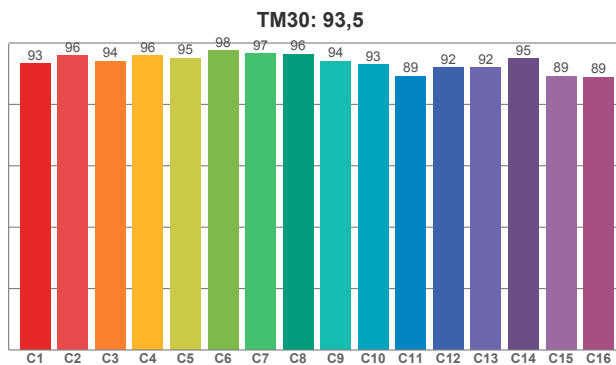
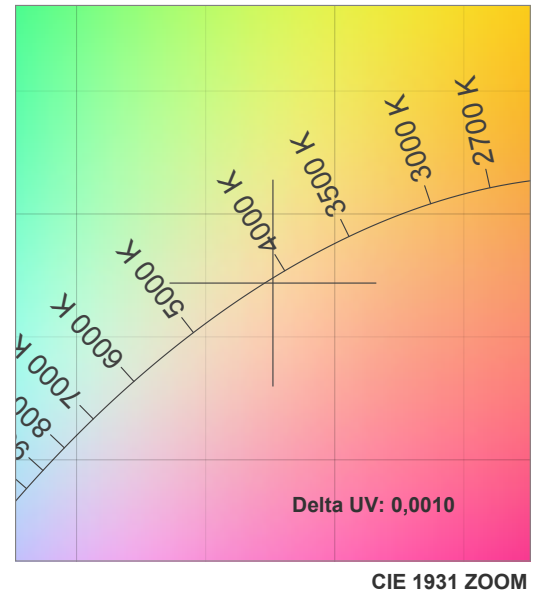
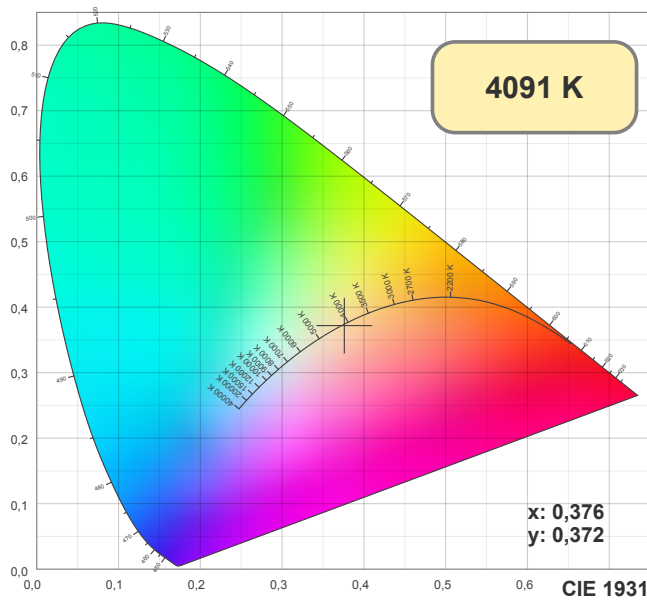
CIE1931  
x: 0,376  
y: 0,372



Light measurement was created using the Viso Systems - Light Inspector. [www.visosystems.com](http://www.visosystems.com)

# FLEX COB SIDE-CCT (4000 K)

## Led Strip



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

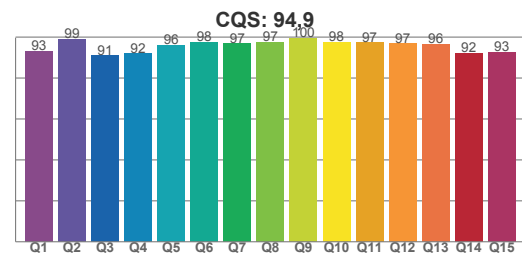
| R1    | R2    | R3    | R4    | R5    | R6    | R7    | R8    | R9    | R10   | R11   | R12   | R13   | R14   | R15   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
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TM30 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   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
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CQS Q values

| Q1    | Q2    | Q3    | Q4    | Q5    | Q6    | Q7    | Q8    | Q9    | Q10   | Q11   | Q12   | Q13   | Q14   | Q15   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 93,03 | 98,91 | 90,90 | 91,88 | 96,12 | 97,64 | 96,80 | 97,48 | 99,67 | 97,56 | 97,33 | 96,81 | 96,42 | 92,32 | 92,65 |

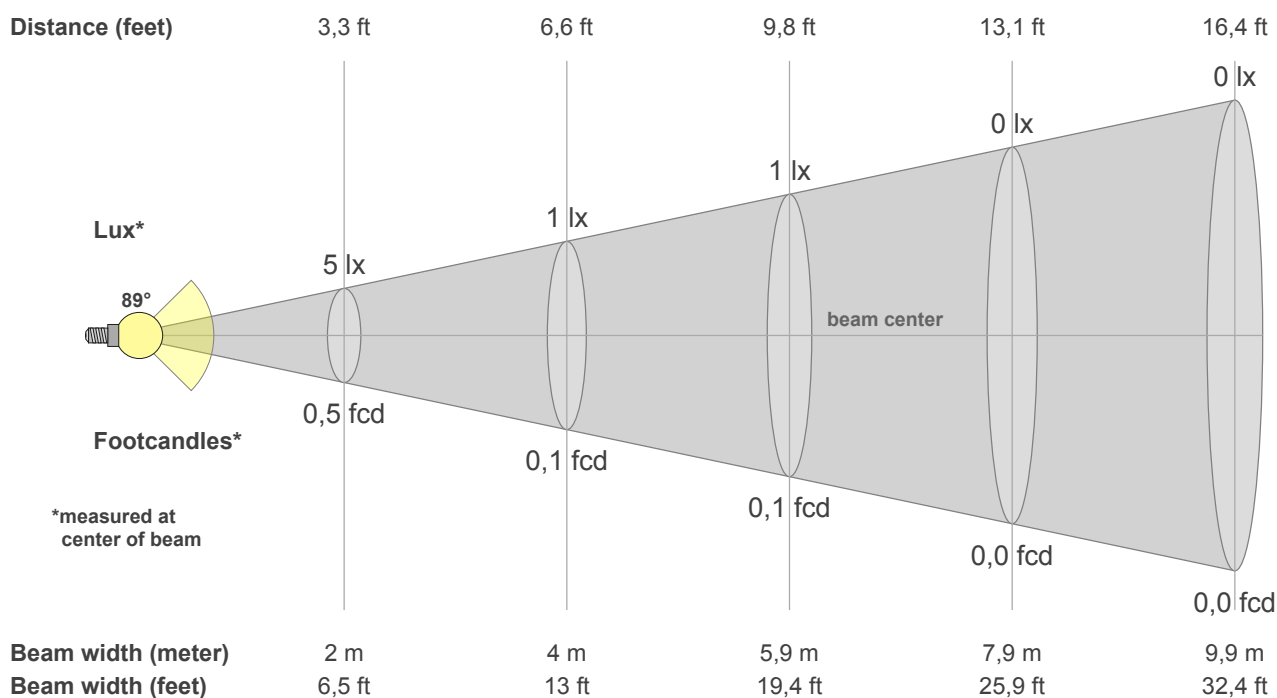


### Color parameters

| CCT    | CRI  | CRI R9 | TM30 Rf | TM30 Rg | CQS  | x   | y   | u   | v   | Duv     |
|--------|------|--------|---------|---------|------|-----|-----|-----|-----|---------|
| 4091 K | 96,2 | 74,8   | 93,5    | 100,0   | 94,9 | 0,4 | 0,4 | 0,2 | 0,3 | -0,0010 |

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|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
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| 0°   | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5    | 3   | 2   | 1   | 0   | 0   | 0   | 0   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
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| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 89,3°          | 132,0°          | 154,3°            | 20,5%                        | 9,0%                        |