

# PROLIA D

## LED LIGHTING

Light efficiency:

69 Lumen/Watt

Light quality:

CRI: 83,5

Color temperature:

3506 K

Output: 910 lm  
Peak: 2268 cd

Power: 13,1 W  
PF: 0,76



Product name:

**Zoom 64 @350mA Medium**

Date and time:

**29-6-2022 14:23:26**

Item number:

**900 000685**

Minimum order quantity:

**1**

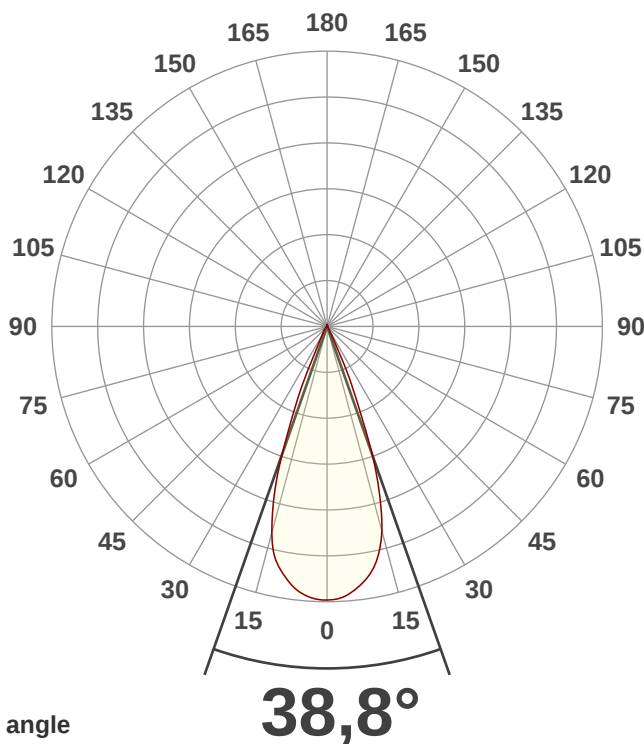
Additional information:

**BXRE-35E2000-C-83**

**Bridgelux V13**

**3500K CRI83+**

**@350mA 13.5W Medium**



Beam angle

**38,8°**

Color

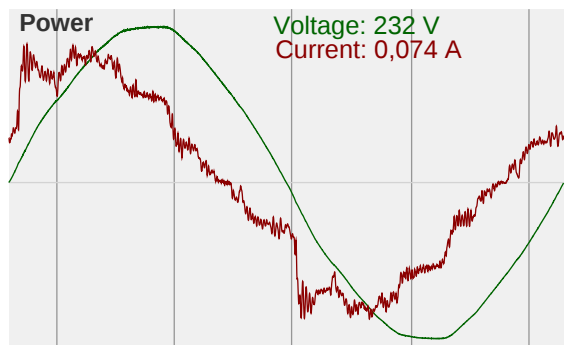
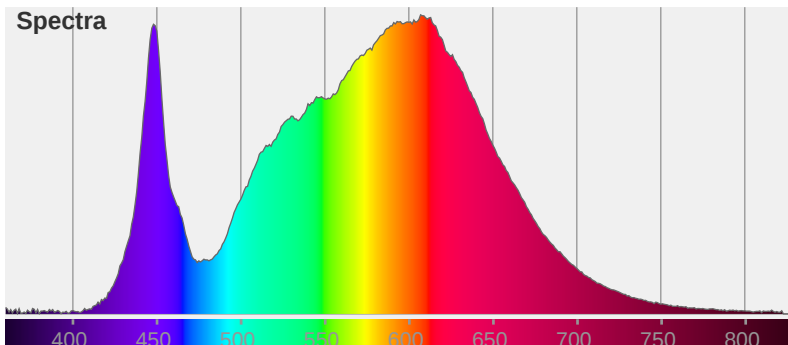


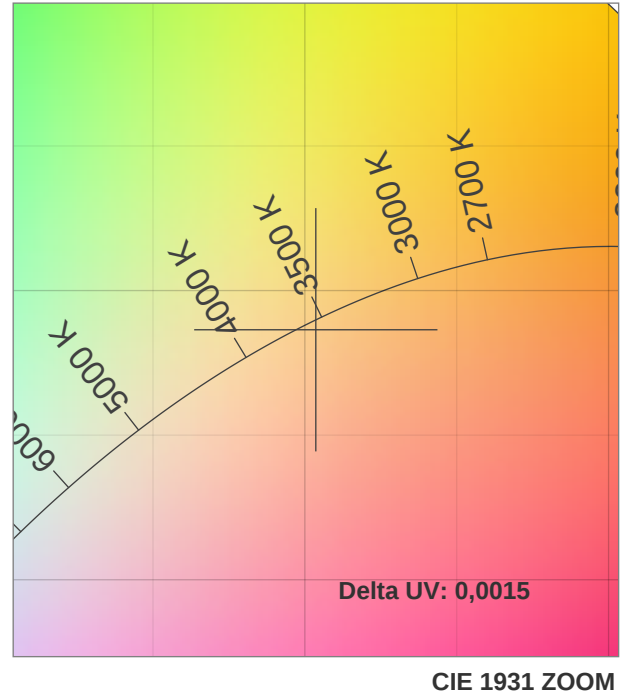
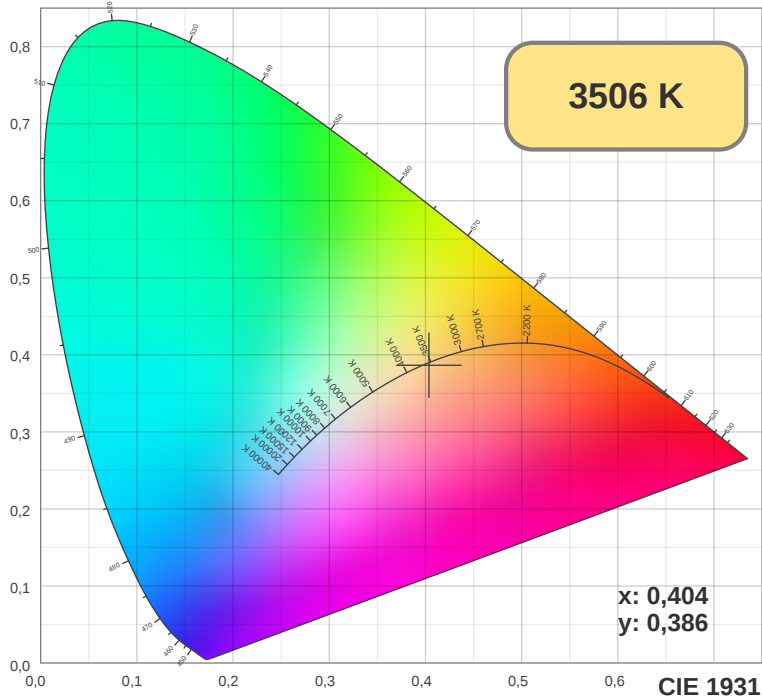
CIE1931

x: 0,404

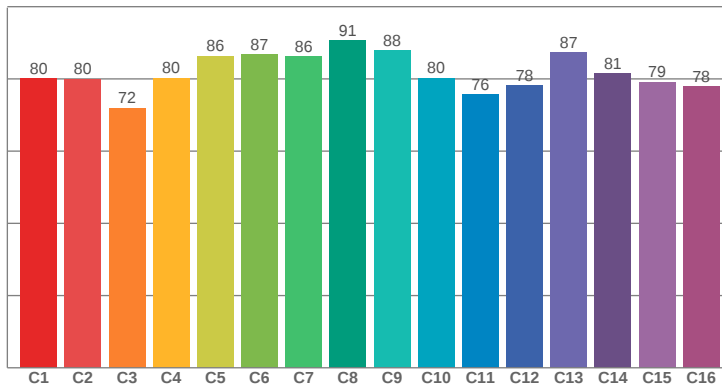
y: 0,386

Spectra

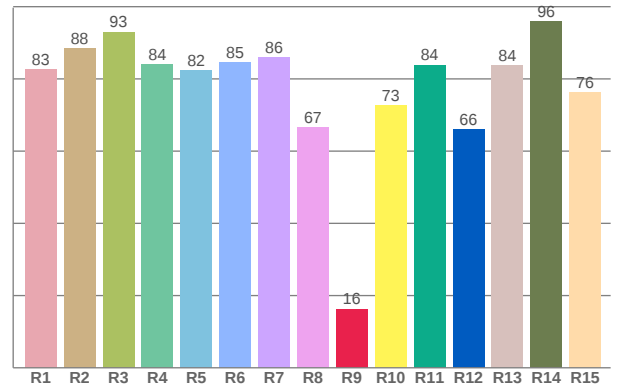




TM30: 81,6



CRI: 83,5 (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   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 82,70 | 88,44 | 93,03 | 83,96 | 82,41 | 84,65 | 85,97 | 66,54 | 16,27 | 72,75 | 83,84 | 66,06 | 83,81 | 95,85 | 76,33 |

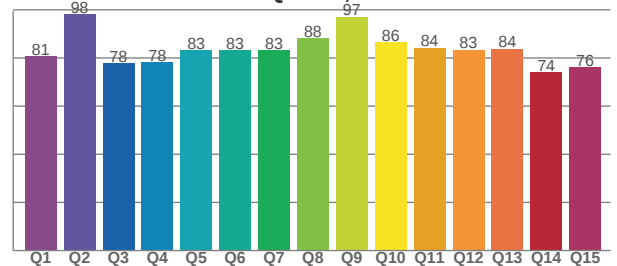
TM30 C values, 16 binned values out of total of 99 C values

| C1    | C2    | C3    | C4    | C5    | C6    | C7    | C8    | C9    | C10   | C11   | C12   | C13   | C14   | C15   | C16 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 80,23 | 80,03 | 80,24 | 86,34 | 86,71 | 86,17 | 90,64 | 87,92 | 80,31 | 75,63 | 78,29 | 87,37 | 81,48 | 79,14 | 77,82 |     |

CQS Q values

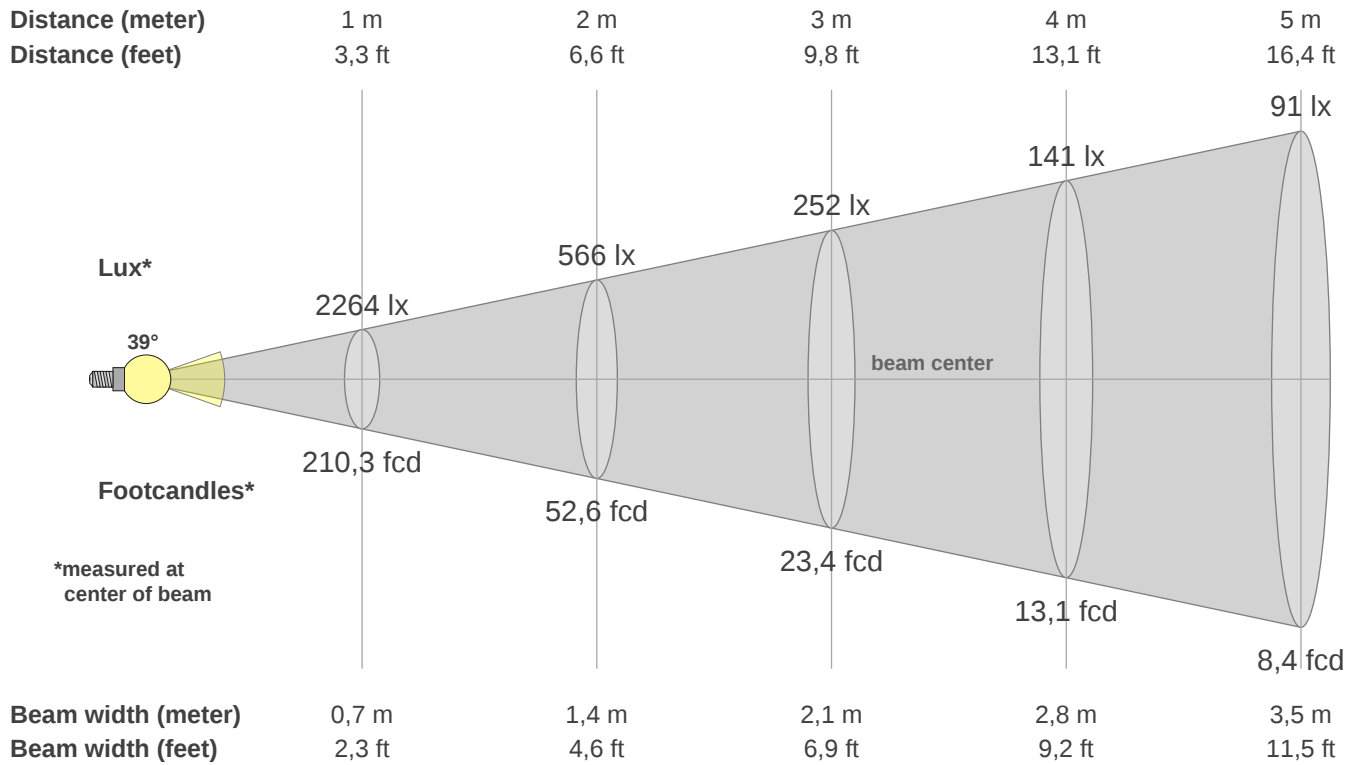
| Q1    | Q2    | Q3    | Q4    | Q5    | Q6    | Q7    | Q8    | Q9    | Q10   | Q11   | Q12   | Q13   | Q14   | Q15   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 80,81 | 98,11 | 77,89 | 78,20 | 83,27 | 83,08 | 83,30 | 88,08 | 97,18 | 86,40 | 84,28 | 83,47 | 83,90 | 73,98 | 76,25 |

CQS: 82,6



### Color parameters

| CCT    | CRI  | CRI R9 | TM30 Rf | TM30 Rg | CQS  | x   | y   | u   | v   | Duv     |
|--------|------|--------|---------|---------|------|-----|-----|-----|-----|---------|
| 3506 K | 83,5 | 16,3   | 81,6    | 99,1    | 82,6 | 0,4 | 0,4 | 0,2 | 0,3 | -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° |
|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2264 | 2251 | 2238 | 2187 | 2135 | 2067 | 1966 | 1825 | 1638 | 1345 | 1024 | 666 | 374 | 144 | 78  | 49  | 34  | 27  | 21  | 17  |
| 100% | 99%  | 99%  | 97%  | 94%  | 91%  | 87%  | 81%  | 72%  | 59%  | 45%  | 29% | 17% | 6%  | 3%  | 2%  | 2%  | 1%  | 1%  | 1%  |

### 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° |
|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2264 | 2251 | 2238 | 2187 | 2135 | 2067 | 1966 | 1825 | 1638 | 1345 | 1024 | 666 | 374 | 144 | 78  | 49  | 34  | 27  | 21  | 17  |
| 100% | 99%  | 99%  | 97%  | 94%  | 91%  | 87%  | 81%  | 72%  | 59%  | 45%  | 29% | 17% | 6%  | 3%  | 2%  | 2%  | 1%  | 1%  | 1%  |

### 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° |
|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2264 | 2257 | 2240 | 2203 | 2153 | 2076 | 1991 | 1847 | 1650 | 1354 | 1027 | 679 | 435 | 215 | 117 | 84  | 66  | 57  | 50  | 44  |
| 100% | 100% | 99%  | 97%  | 95%  | 92%  | 88%  | 82%  | 73%  | 60%  | 45%  | 30% | 19% | 10% | 5%  | 4%  | 3%  | 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° |
|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2264 | 2257 | 2240 | 2203 | 2153 | 2076 | 1991 | 1847 | 1650 | 1354 | 1027 | 679 | 435 | 215 | 117 | 84  | 66  | 57  | 50  | 44  |
| 100% | 100% | 99%  | 97%  | 95%  | 92%  | 88%  | 82%  | 73%  | 60%  | 45%  | 30% | 19% | 10% | 5%  | 4%  | 3%  | 3%  | 2%  | 2%  |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 38,8°          | 51,1°           | 63,2°             | 95,8%                        | 94,3%                       |