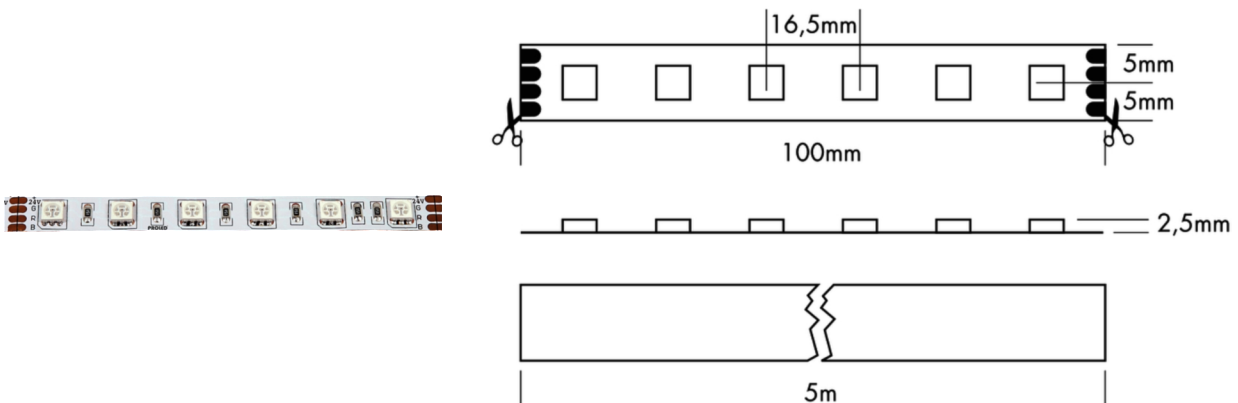


Data sheet

L6507 - Flex Strip HD RGB 5m

PROLED®

Article name: Flex Strip HD RGB 5m
Article number: L6507



Article description:

The PROLED FLEX STRIPS are perfect for indirect lighting, as custom made versions for fair or shop applications as well as for all kinds of illumination. Due to their shallow design and the individually adaptable lengths the PROLED FLEX STRIPS offer a wide spectrum of application possibilities.

- 3 colours in one LED, therefore 100% smooth colour mixing.
- High flexibility - adaptable to round shapes.
- Also available in 20m reels. Please pay attention to the maximum length (5m) per power input.
- Installation with 3M adhesive tape on the strip's backside (self adhesive).
- dimmable, autom. colour change, controllable via DMX 512, DALI, KNX, 1-10V, CASAMBI, RF by MULTI power supplies/controller

Technical:

| | | | |
|---------------------------|----------------------------|------------------|--------|
| Mounting type: | Surface-mounted on ceiling | Electric: | |
| Adjustability: | Fixed | System power: | 14,6 W |
| Controllability: | Dimmable | Current: | 24 V |
| Safety: | IP20 | Safety class: | 3 |
| Temperature range: | -10...45 °C | EEL: | G |
| Lifetime: | 50.000 h at L80B10 | UGR: | - |

Shape and dimensions:

| | |
|---------|---------|
| Length: | 1000 mm |
| Width: | 10 mm |
| Height: | 3 mm |
| Weight: | - |

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Light output 1 (LED Green):

| | |
|-----------------------------|--|
| Lamp type: | LED |
| Lamp power: | 4.8 W |
| Total luminous flux: | 400 lm |
| Light efficiency: | 83.3 lm/W |
| CCT: | 7247 K |
| CRI: | 0 |
| Light distribution: | (Symmetrical) Wide flood (half value angle 45°...125°) |

Light output 2 (LED Blue):

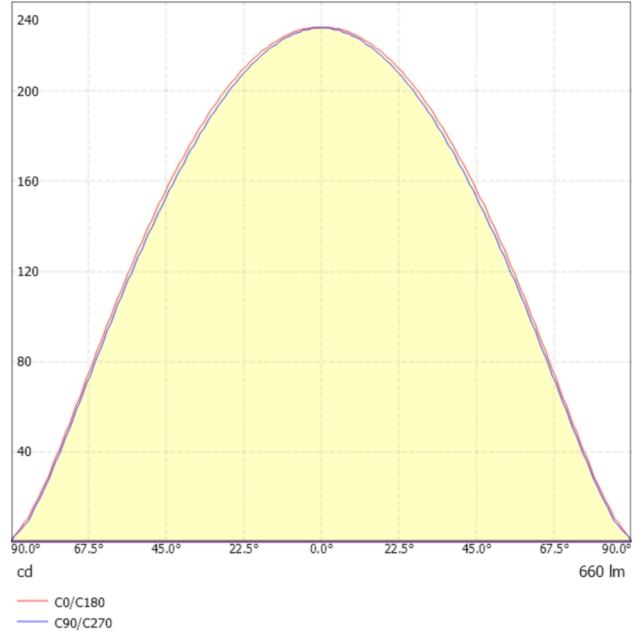
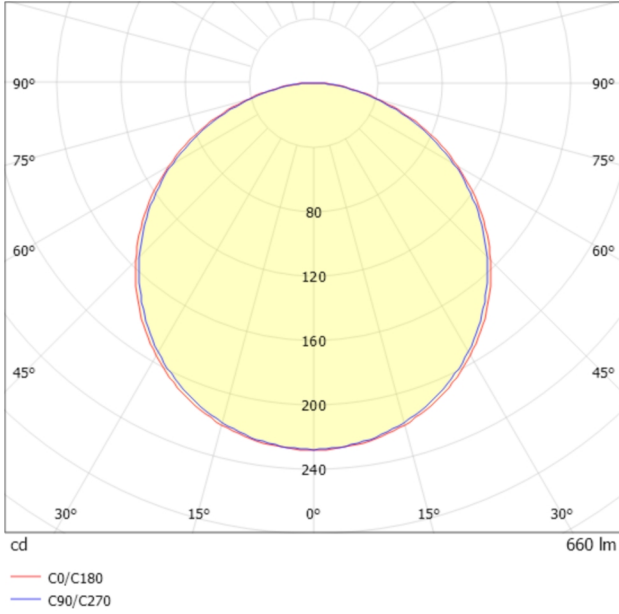
| | |
|-----------------------------|--|
| Lamp type: | LED |
| Lamp power: | 5 W |
| Total luminous flux: | 100 lm |
| Light efficiency: | 20 lm/W |
| CCT: | - K |
| CRI: | 0 |
| Light distribution: | (Symmetrical) Wide flood (half value angle 45°...125°) |

Light output 3 (LED Red):

| | |
|-----------------------------|--|
| Lamp type: | LED |
| Lamp power: | 4.8 W |
| Total luminous flux: | 160 lm |
| Light efficiency: | 33.3 lm/W |
| CCT: | - K |
| CRI: | 0 |
| Light distribution: | (Symmetrical) Wide flood (half value angle 45°...125°) |

Data sheet

L6507 - Flex Strip HD RGB 5m



| Distance | Cone diameter | Beam diameter | Beam angle | E(0°) | E(C90) | E(C0) | Illuminance |
|----------|---------------|---------------|------------|-------|--------|-------|-------------|
| 0.5 | 1.51 | 1.56 | 114.6° | 624 | 56.4° | 53 | 53 |
| 1.0 | 3.01 | 3.12 | 112.8° | 156 | 56.4° | 13 | 13 |
| 1.5 | 4.52 | 4.67 | | 69 | 56.4° | 6 | 6 |
| 2.0 | 6.02 | 6.23 | | 39 | 56.4° | 3 | 3 |
| 2.5 | 7.53 | 7.79 | | 25 | 56.4° | 2 | 2 |
| 3.0 | 9.03 | 9.35 | | 17 | 56.4° | 1 | 1 |

Distance: 0.5, 1.0, 1.5, 2.0, 2.5, 3.0
Cone diameter: 1.51, 3.01, 4.52, 6.02, 7.53, 9.03
Beam diameter: 1.56, 3.12, 4.67, 6.23, 7.79, 9.35
Beam angle: 114.6°, 112.8°
Illuminance: 53, 13, 6, 3, 2, 1

Glare evaluation according to UGR

| Observer position | 70 | 70 | 50 | 50 | 30 | 30 | 70 | 70 | 50 | 50 | 30 |
|-------------------|----|----|----|----|----|----|----|----|----|----|----|
| ρ Ceiling | 70 | 70 | 50 | 50 | 30 | 30 | 70 | 70 | 50 | 50 | 30 |
| ρ Walls | 50 | 30 | 50 | 30 | 30 | 50 | 50 | 30 | 50 | 30 | 30 |
| ρ Floor | 20 | 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 | 4H | 6H | 8H | 12H | 2H | 4H | 6H | 8H | 12H |
| 2H | 2H | 23.1 | 24.4 | 23.4 | 24.6 | 24.9 | 23.0 | 24.3 | 23.3 | 24.5 | 24.8 | |
| 2H | 3H | 24.6 | 25.8 | 25.0 | 26.1 | 26.4 | 24.5 | 25.7 | 24.8 | 26.0 | 26.3 | |
| 2H | 4H | 25.3 | 26.4 | 25.6 | 26.7 | 27.0 | 25.1 | 26.2 | 25.5 | 26.5 | 26.8 | |
| 2H | 6H | 25.7 | 26.7 | 26.0 | 27.0 | 27.4 | 25.5 | 26.6 | 25.9 | 26.9 | 27.2 | |
| 2H | 8H | 25.8 | 26.8 | 26.2 | 27.2 | 27.5 | 25.6 | 26.6 | 26.0 | 27.0 | 27.3 | |
| 2H | 12H | 25.9 | 26.9 | 26.3 | 27.2 | 27.5 | 25.7 | 26.7 | 26.1 | 27.0 | 27.3 | |
| 4H | 2H | 23.7 | 24.9 | 24.1 | 25.2 | 25.5 | 23.7 | 24.8 | 24.0 | 25.1 | 25.4 | |
| 4H | 3H | 25.5 | 26.5 | 25.9 | 26.8 | 27.1 | 25.4 | 26.4 | 25.8 | 26.7 | 27.0 | |
| 4H | 4H | 26.2 | 27.1 | 26.6 | 27.5 | 27.8 | 26.1 | 27.0 | 26.5 | 27.3 | 27.7 | |
| 4H | 6H | 26.8 | 27.5 | 27.2 | 27.9 | 28.3 | 26.6 | 27.4 | 27.1 | 27.8 | 28.2 | |
| 4H | 8H | 27.0 | 27.7 | 27.4 | 28.1 | 28.5 | 26.8 | 27.5 | 27.2 | 27.9 | 28.3 | |
| 4H | 12H | 27.1 | 27.7 | 27.5 | 28.1 | 28.6 | 26.9 | 27.5 | 27.4 | 27.9 | 28.4 | |
| 8H | 4H | 26.5 | 27.2 | 27.0 | 27.6 | 28.0 | 26.4 | 27.1 | 26.8 | 27.5 | 27.9 | |
| 8H | 6H | 27.2 | 27.8 | 27.7 | 28.2 | 28.7 | 27.1 | 27.6 | 27.5 | 28.1 | 28.5 | |
| 8H | 8H | 27.5 | 27.9 | 27.9 | 28.4 | 28.9 | 27.3 | 27.8 | 27.8 | 28.2 | 28.7 | |
| 8H | 12H | 27.6 | 28.1 | 28.1 | 28.5 | 29.0 | 27.4 | 27.9 | 27.9 | 28.3 | 28.9 | |
| 12H | 4H | 26.5 | 27.2 | 27.0 | 27.6 | 28.0 | 26.4 | 27.1 | 26.9 | 27.5 | 27.9 | |
| 12H | 6H | 27.3 | 27.7 | 27.7 | 28.2 | 28.7 | 27.1 | 27.6 | 27.6 | 28.1 | 28.6 | |
| 12H | 8H | 27.5 | 28.0 | 28.0 | 28.4 | 28.9 | 27.4 | 27.8 | 27.9 | 28.3 | 28.8 | |

Variation of the observer position for the luminaire distances S

| Correction summand | +0.1 / -0.1 | +0.1 / -0.1 |
|--------------------|-------------|-------------|
| S = 1.5m | +0.3 | +0.2 |
| S = 1.5m | +0.1 | +0.1 |
| S = 1.5m | +0.3 | +0.4 |
| S = 1.5m | +0.3 | +0.4 |

Compare the results referring to 660lm total flux.

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