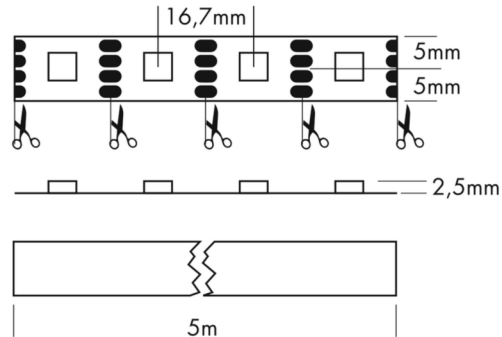


Article name: Flex Strip Digital 60

Article number: L6806



Article description:

The PROLED FLEX STRIPS DIGITAL are perfect for pixel applications. With the PROLED WS2812 PIXEL CONTROLLER or the DiGidot C4 controllers each LED can be controlled individually.

- Digital controllable WS2813 LEDs.
- Double data line. By failure of one LED, the data will be passed to the next LED.
- To avoid a voltage drop, a new power input of 5 VDC is needed every 1,5m.
- 3 colours on one chip, therefore 100% smooth colour mixing.
- High flexibility - adaptable to round shapes.
- installation with 3M adhesive tape on the strip's backside (self adhesive).

Technical:

| | | | |
|---------------------------|-----------------------------|------------------|--------|
| Mounting type: | Surface-mounted on ceiling | Electric: | |
| Adjustability: | Fixed | System power: | 19.2 W |
| Controllability: | Dimmable, Colour adjustable | Current: | 5 V |
| Safety: | IP20 | Safety class: | 3 |
| Temperature range: | -10...45 °C | EEL: | - |
| Lifetime: | 50.000 h at L80B10 | UGR: | - |

Shape and dimensions:

| | |
|---------|---------|
| Length: | 1002 mm |
| Width: | 10 mm |
| Height: | 3 mm |
| Weight: | - |

Light output 1 (LED Blue):

| | |
|-----------------------------|--|
| Lamp type: | LED |
| Lamp power: | 6.5 W |
| Total luminous flux: | 50 lm |
| Light efficiency: | 7.7 lm/W |
| CCT: | - |
| CRI: | - |
| Light distribution: | (Symmetrical) Wide flood (half value angle 45°...125°) |

Light output 2 (LED Green):

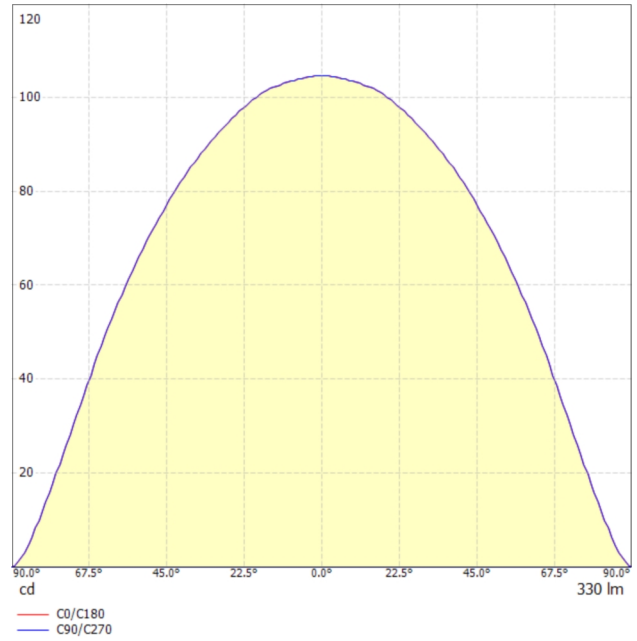
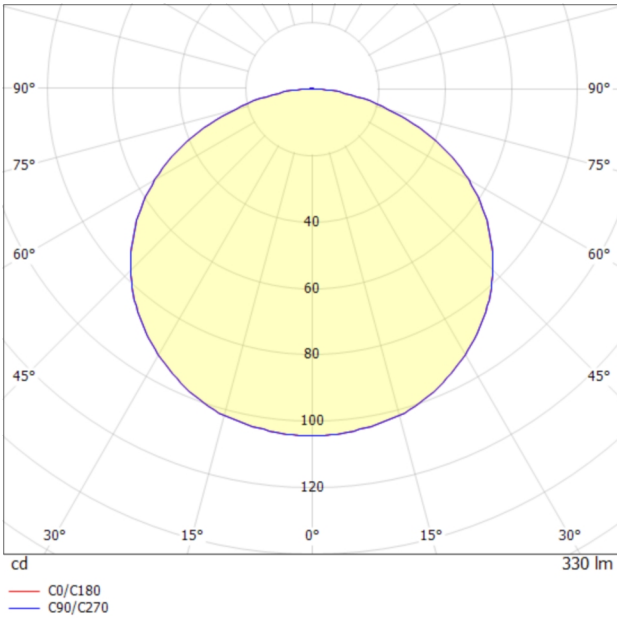
| | |
|-----------------------------|--|
| Lamp type: | LED |
| Lamp power: | 6.4 W |
| Total luminous flux: | 200 lm |
| Light efficiency: | 31.2 lm/W |
| CCT: | 7247 K |
| CRI: | - |
| Light distribution: | (Symmetrical) Wide flood (half value angle 45°...125°) |

Light output 3 (LED Red):

| | |
|-----------------------------|--|
| Lamp type: | LED |
| Lamp power: | 6.3 W |
| Total luminous flux: | 80 lm |
| Light efficiency: | 12.7 lm/W |
| CCT: | - |
| CRI: | - |
| Light distribution: | (Symmetrical) Wide flood (half value angle 45°...125°) |

Data sheet

L6806 - Flex Strip Digital 60



| Distance | Cone diameter | E(0°) | E(C0) | 61.2° | 88 |
|----------|---------------|-------|-------|-------|----|
| 0.5 | 1.82 | E(0°) | 61.2° | 5 | 5 |
| 1.0 | 3.64 | E(0°) | 61.2° | 22 | 1 |
| 1.5 | 5.46 | E(0°) | 61.2° | 10 | 1 |
| 2.0 | 7.28 | E(0°) | 61.2° | 5 | 0 |
| 2.5 | 9.09 | E(0°) | 61.2° | 4 | 0 |
| 3.0 | 10.91 | E(0°) | 61.2° | 2 | 0 |

Distance Cone diameter Illuminance

— C0/C180 (Half-peak divergence: 122.4°)

Glare evaluation according to UGR

| | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
|-----------|----|----|----|----|----|----|----|----|----|----|
| 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 | 4H | 6H | 8H | 12H | 2H | 4H | 6H | 8H | 12H |
| 2H | 2H | 18.1 | 19.5 | 18.4 | 19.7 | 20.0 | 18.1 | 19.5 | 18.4 | 19.7 | 20.0 | |
| 2H | 3H | 19.8 | 21.0 | 20.1 | 21.3 | 21.6 | 19.8 | 21.0 | 20.1 | 21.3 | 21.6 | |
| 2H | 4H | 20.4 | 21.6 | 20.8 | 21.9 | 22.2 | 20.4 | 21.6 | 20.8 | 21.9 | 22.2 | |
| 2H | 6H | 20.9 | 22.0 | 21.2 | 22.3 | 22.6 | 20.9 | 22.0 | 21.2 | 22.3 | 22.6 | |
| 2H | 8H | 21.0 | 22.0 | 21.4 | 22.4 | 22.7 | 21.0 | 22.0 | 21.4 | 22.4 | 22.7 | |
| 2H | 12H | 21.1 | 22.0 | 21.4 | 22.4 | 22.7 | 21.1 | 22.0 | 21.4 | 22.4 | 22.7 | |
| 4H | 2H | 18.8 | 20.0 | 19.2 | 20.3 | 20.6 | 18.8 | 20.0 | 19.2 | 20.3 | 20.6 | |
| 4H | 3H | 20.7 | 21.7 | 21.1 | 22.0 | 22.4 | 20.7 | 21.7 | 21.1 | 22.0 | 22.4 | |
| 4H | 4H | 21.5 | 22.3 | 21.9 | 22.7 | 23.1 | 21.5 | 22.3 | 21.9 | 22.7 | 23.1 | |
| 4H | 6H | 22.0 | 22.8 | 22.5 | 23.2 | 23.6 | 22.0 | 22.8 | 22.5 | 23.2 | 23.6 | |
| 4H | 8H | 22.2 | 22.9 | 22.6 | 23.3 | 23.7 | 22.2 | 22.9 | 22.6 | 23.3 | 23.7 | |
| 4H | 12H | 22.3 | 22.9 | 22.7 | 23.3 | 23.8 | 22.3 | 22.9 | 22.7 | 23.3 | 23.8 | |
| 8H | 4H | 21.8 | 22.5 | 22.2 | 22.9 | 23.3 | 21.8 | 22.5 | 22.2 | 22.9 | 23.3 | |
| 8H | 6H | 22.5 | 23.0 | 22.9 | 23.5 | 23.9 | 22.5 | 23.0 | 22.9 | 23.5 | 23.9 | |
| 8H | 8H | 22.7 | 23.2 | 23.2 | 23.7 | 24.2 | 22.7 | 23.2 | 23.2 | 23.7 | 24.2 | |
| 8H | 12H | 22.8 | 23.3 | 23.3 | 23.8 | 24.3 | 22.8 | 23.3 | 23.3 | 23.8 | 24.3 | |
| 12H | 4H | 21.8 | 22.4 | 22.2 | 22.8 | 23.3 | 21.8 | 22.4 | 22.2 | 22.8 | 23.3 | |
| 12H | 6H | 22.5 | 23.0 | 23.0 | 23.5 | 24.0 | 22.5 | 23.0 | 23.0 | 23.5 | 24.0 | |
| 12H | 8H | 22.8 | 23.2 | 23.3 | 23.7 | 24.2 | 22.8 | 23.2 | 23.3 | 23.7 | 24.2 | |

Variation of the observer position for the luminaire distances S

| | | |
|----------|-------------|-------------|
| S = 1.0H | +0.1 / -0.1 | +0.1 / -0.1 |
| S = 1.5H | +0.2 / -0.3 | +0.2 / -0.3 |
| S = 2.0H | +0.4 / -0.6 | +0.4 / -0.6 |

| | | |
|--------------------|------|------|
| Standard table | BK06 | BK06 |
| Correction summand | 5.5 | 5.5 |

Correction glare indices referring to 330lm total luminous flux

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Technical amendments and errors reserved.

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