

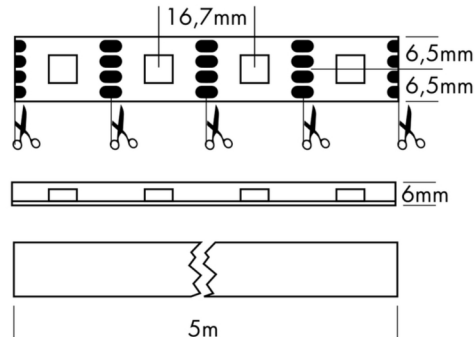
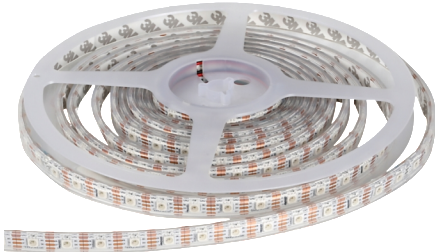
Data sheet

L68606 - Flex Strip IP65 Digital 60

PROLED®

Article name: Flex Strip IP65 Digital 60

Article number: L68606



Article description:

The PROLED FLEX STRIPS DIGITAL are perfect for pixel applications. With the MBNLED 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 clamps or special glue, The 3M adhesive tape on the strip's backside (self adhesive) is only as fit-up aid.
- IP65 for outdoor use (power supply cable/end caps IP65 when correctly sealed)

Technical:

Mounting type: Surface-mounted on ceiling

Adjustability: Fixed

Controllability: Dimmable, Colour adjustable

Safety: IP65

Temperature range: -10...45 °C

Lifetime: 50.000 h at L80B10

Electric:

System power: 19.1 W

Current: 5 V

Safety class: 3

EEL: A++ - A

UGR: -

Shape and dimensions:

Length: 1002 mm

Width: 13 mm

Height: 6 mm

Weight: -

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Technical amendments and errors reserved.

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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):

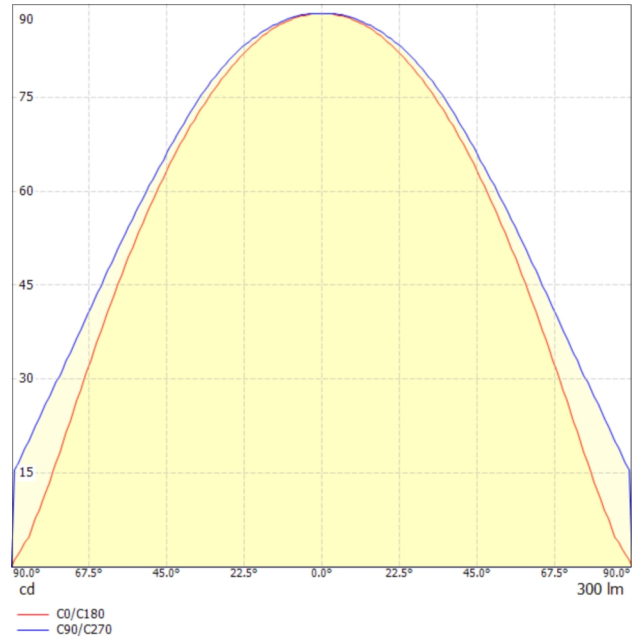
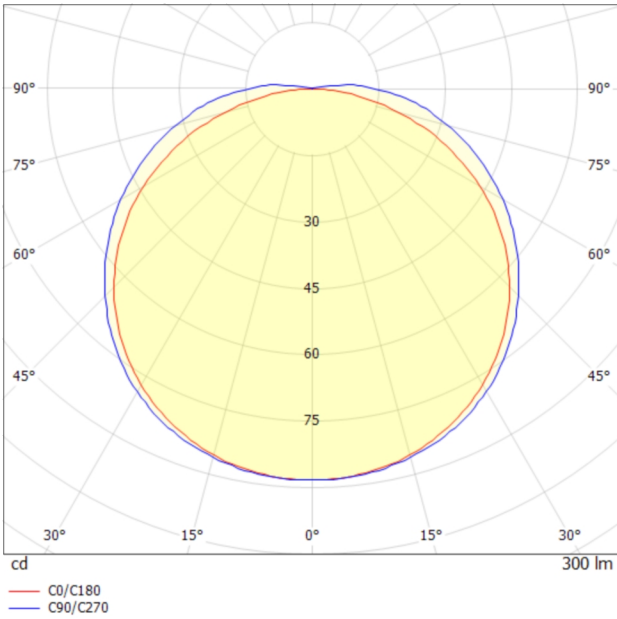
Lamp type:	LED
Lamp power:	6.3 W
Total luminous flux:	180 lm
Light efficiency:	28.6 lm/W
CCT:	7247 K
CRI:	-
Light distribution:	(Symmetrical) Wide flood (half value angle 45°...125°)

Light output 3 (LED Red):

Lamp type:	LED
Lamp power:	6.3 W
Total luminous flux:	70 lm
Light efficiency:	11.1 lm/W
CCT:	-
CRI:	-
Light distribution:	(Symmetrical) Wide flood (half value angle 45°...125°)

Data sheet

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Distance	Cone diameter	illuminance
0.5	2.11 1.71	E(0°) 1042 E(C90) 41 E(C0) 67
1.0	4.21 3.42	E(0°) 261 E(C90) 10 E(C0) 17
1.5	6.32 5.13	E(0°) 116 E(C90) 5 E(C0) 7
2.0	8.42 6.85	E(0°) 65 E(C90) 3 E(C0) 4
2.5	10.53 8.56	E(0°) 42 E(C90) 2 E(C0) 3
3.0	12.64 10.27	E(0°) 29 E(C90) 1 E(C0) 2

Distance Cone diameter Illuminance

— C0/C180 (Half-peak divergence: 119.4°)
— C90/C270 (Half-peak divergence: 129.2°)

Glare evaluation according to UGR

	70	70	50	50	30	70	70	50	50	30
ρ Ceiling	70	70	50	50	30	70	70	50	50	30
ρ Walls	50	30	50	30	30	50	30	50	30	30
ρ 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	3H	4H	6H	8H	12H	2H	3H	4H	6H	8H
2H	2H	23.2	24.6	23.5	24.9	25.1	24.3	25.7	24.7	26.0	26.8	26.8
2H	3H	24.7	25.9	25.0	26.2	26.5	26.5	27.7	26.8	28.0	28.3	28.3
2H	4H	25.2	26.4	25.6	26.7	27.0	27.5	28.7	27.9	29.1	29.4	29.4
2H	6H	25.5	26.6	25.9	27.0	27.3	28.7	29.8	29.0	30.1	30.5	30.5
2H	8H	25.6	26.7	26.0	27.0	27.4	29.2	30.3	29.6	30.7	31.0	31.0
2H	12H	25.6	26.7	26.0	27.0	27.4	29.9	30.9	30.3	31.3	31.6	31.6
4H	2H	24.0	25.2	24.4	25.6	25.9	24.9	26.1	25.3	26.4	26.8	26.8
4H	3H	25.7	26.7	26.1	27.1	27.5	27.2	28.2	27.6	28.6	29.0	29.0
4H	4H	26.3	27.3	26.8	27.7	28.1	28.4	29.3	28.8	29.7	30.1	30.1
4H	6H	26.8	27.6	27.3	28.0	28.5	29.7	30.5	30.1	30.9	31.3	31.3
4H	8H	26.9	27.7	27.4	28.1	28.6	30.3	31.1	30.8	31.5	32.0	32.0
4H	12H	27.0	27.7	27.5	28.1	28.6	31.1	31.8	31.5	32.2	32.7	32.7
8H	4H	26.8	27.6	27.3	28.0	28.5	28.6	29.4	29.1	29.8	30.3	30.3
8H	6H	27.5	28.1	28.0	28.6	29.0	30.1	30.7	30.6	31.1	31.6	31.6
8H	8H	27.7	28.2	28.2	28.7	29.2	30.8	31.4	31.3	31.9	32.4	32.4
8H	12H	27.8	28.3	28.3	28.8	29.3	31.7	32.2	32.2	32.7	33.2	33.2
12H	4H	26.9	27.6	27.4	28.1	28.5	28.6	29.3	29.1	29.8	30.3	30.3
12H	6H	27.6	28.2	28.1	28.7	29.2	30.1	30.7	30.6	31.1	31.7	31.7
12H	8H	27.9	28.4	28.4	28.9	29.4	30.9	31.4	31.4	31.9	32.5	32.5

Variation of the observer position for the luminaire distances S

S = 1.0H	+0.1 / -0.1	+0.1 / -0.1
S = 1.5H	+0.3 / -0.4	+0.2 / -0.2
S = 2.0H	+0.4 / -0.7	+0.3 / -0.4

Standard table	BK06	BK09
Correction summand	10.6	14.8

Correction glare indices referring to 300lm total luminous flux

Status 08.12.2020

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