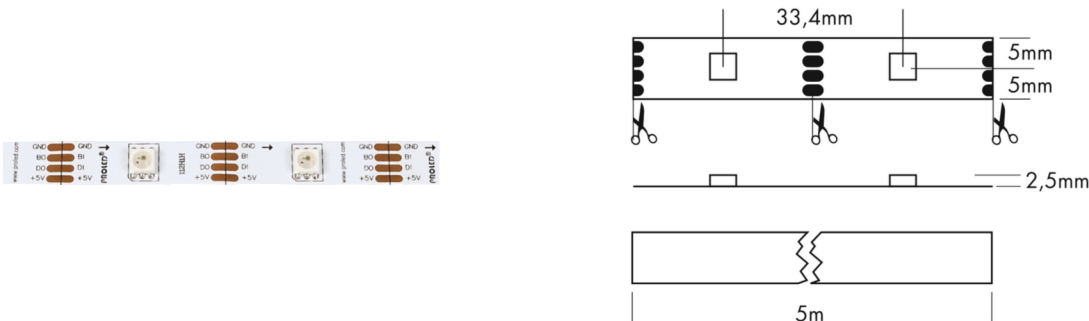


Article name: Flex Strip Digital 30

Article number: L6803



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 2,5m.
- 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:	9.7 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:	0 mm
Width:	10 mm
Height:	3 mm
Weight:	-

Light output 1 (LED Blue):

Lamp type:	LED
Lamp power:	3.3 W
Total luminous flux:	25 lm
Light efficiency:	7.6 lm/W
CCT:	-
CRI:	-
Light distribution:	(Symmetrical) Wide flood (half value angle 45°...125°)

Light output 2 (LED Green):

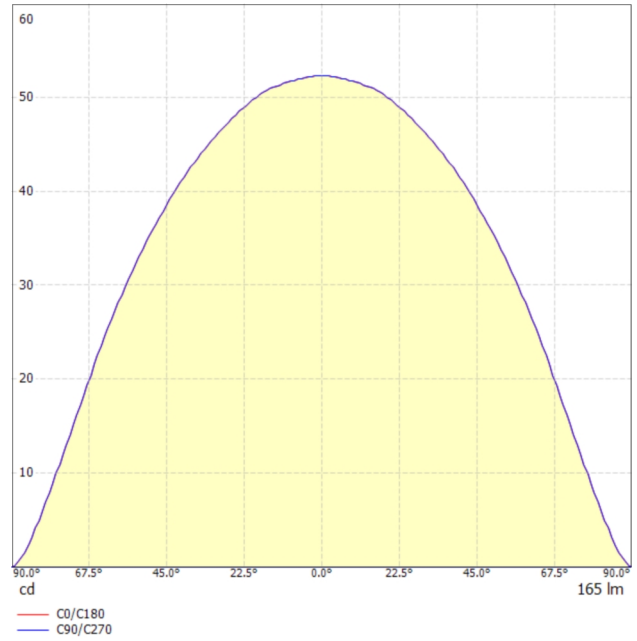
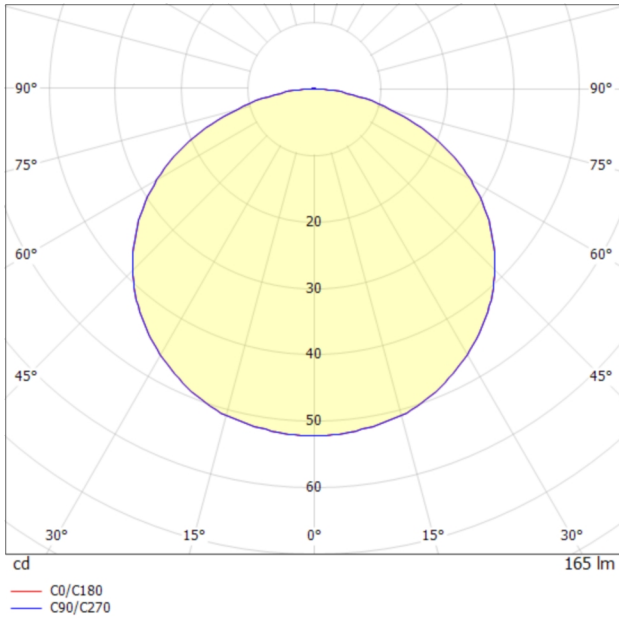
Lamp type:	LED
Lamp power:	3.2 W
Total luminous flux:	100 lm
Light efficiency:	31.2 lm/W
CCT:	7247 K
CRI:	-
Light distribution:	(Symmetrical) Wide flood (half value angle 45°...125°)

Light output 3 (LED Red):

Lamp type:	LED
Lamp power:	3.2 W
Total luminous flux:	40 lm
Light efficiency:	12.5 lm/W
CCT:	-
CRI:	-
Light distribution:	(Symmetrical) Wide flood (half value angle 45°...125°)

Data sheet

L6803 - Flex Strip Digital 30



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

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 165lm total luminous flux

Status 08.12.2020

Technical amendments and errors reserved.

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