

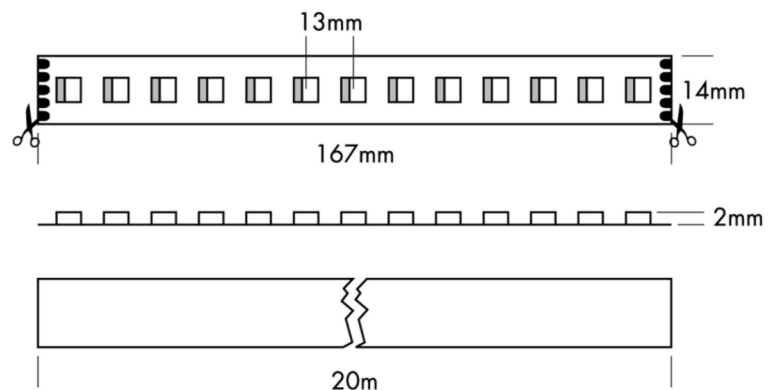
Data sheet

L6V48D826 - Flex Strip XTend RGBW - SWW

PROLED®

Article name: Flex Strip XTend RGBW - SWW

Article number: L6V48D826



Article description:

The PROLED FLEX STRIPS are perfect for indirect lighting, for special designs in trade fair or shop fitting and for any kind of lighting. Thanks to their small size and individually adjustable length, PROLED FLEX STRIPS offer a wide range of possible applications.

- RGBW (4 colours in one LED). Pastel colour shapes and real white possible.
- High lighting quality and colour fidelity, as well as - thanks to 48-volt technology - uniform dimming over the entire length.
- Perfect for halls, corridors and long hallways
- Uses only one power feed for a length of 20 m
- Significantly reduced installation effort

Technical:

Mounting type: Surface-mounted on ceiling

Adjustability: Fixed

Controllability: Colour adjustable, Dimmable

Safety: IP20

Temperature range: -10...45 °C

Lifetime: 50.000 h at L80B10

Electric:

System power: 14,2 W

Current: 48 V

Safety class: 3

EEL: F

UGR: -

Shape and dimensions:

Length: 1000 mm

Width: 14 mm

Height: 2 mm

Weight: -

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Light output 1 (LED 2700K - CRI 80):

Lamp type:	LED
Lamp power:	4 W
Total luminous flux:	350 lm
Light efficiency:	87.5 lm/W
CCT:	2700 K
CRI:	-
Light distribution:	(Symmetrical) Wide flood (half value angle 45°...125°)

Light output 2 (LED Red):

Lamp type:	LED
Lamp power:	3 W
Total luminous flux:	120 lm
Light efficiency:	40 lm/W
CCT:	3000 K
CRI:	0
Light distribution:	(Symmetrical) Wide flood (half value angle 45°...125°)

Light output 3 (LED Blue):

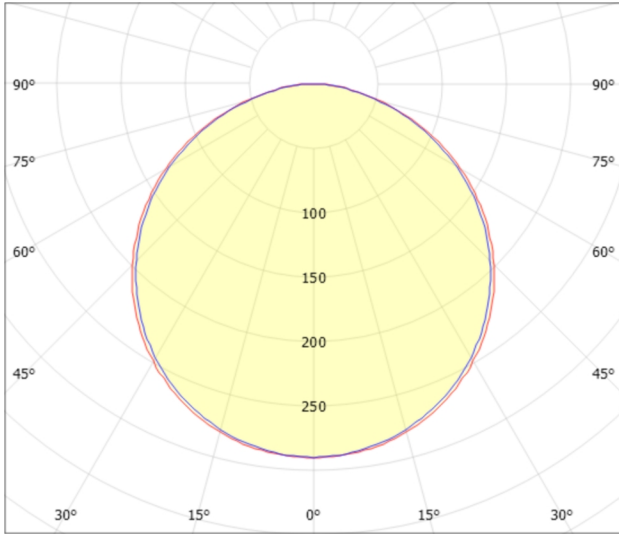
Lamp type:	LED
Lamp power:	3 W
Total luminous flux:	70 lm
Light efficiency:	23.3 lm/W
CCT:	3000 K
CRI:	0
Light distribution:	(Symmetrical) Wide flood (half value angle 45°...125°)

Light output 4 (LED Green):

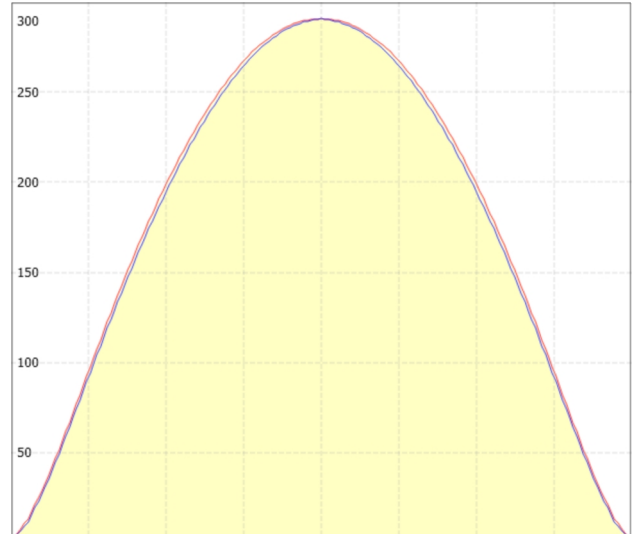
Lamp type:	LED
Lamp power:	3 W
Total luminous flux:	300 lm
Light efficiency:	100 lm/W
CCT:	3000 K
CRI:	0
Light distribution:	(Symmetrical) Wide flood (half value angle 45°...125°)

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cd 840 lm
 — C0/C180
 — C90/C270



cd 840 lm
 — C0/C180
 — C90/C270

Distance	Cone diameter	Beam diameter	E(0°)	E(C90)	E(C0)	Illuminance
0.5	1.51	1.56	795	56.4°	57.3°	68
1.0	3.01	3.12	199	56.4°	57.3°	17
1.5	4.52	4.67	88	56.4°	57.3°	8
2.0	6.02	6.23	50	56.4°	57.3°	4
2.5	7.53	7.79	32	56.4°	57.3°	3
3.0	9.03	9.35	22	56.4°	57.3°	2

— C0/C180 (Half-peak divergence: 114.6°)
 — C90/C270 (Half-peak divergence: 112.8°)

Glare evaluation according to UGR

	70	70	50	50	30	70	70	50	50	30
ρ Ceiling	50	30	50	30	30	50	30	50	30	30
ρ Walls	20	20	20	20	20	20	20	20	20	20
ρ Floor										

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
2H	2H	23.9	25.2	24.2	25.5	25.7	23.8	25.1	24.1	25.4	25.6	
2H	3H	25.5	26.7	25.8	27.0	27.2	25.3	26.5	25.7	26.8	27.1	
2H	4H	26.1	27.2	26.4	27.5	27.8	25.9	27.1	26.3	27.4	27.7	
2H	6H	26.5	27.6	26.9	27.9	28.2	26.4	27.4	26.7	27.7	28.0	
2H	8H	26.7	27.7	27.0	28.0	28.3	26.5	27.5	26.8	27.8	28.1	
2H	12H	26.7	27.7	27.1	28.0	28.4	26.5	27.5	26.9	27.8	28.2	
4H	2H	24.6	25.7	24.9	26.0	26.3	24.5	25.6	24.9	25.9	26.2	
4H	3H	26.3	27.3	26.7	27.6	28.0	26.2	27.2	26.6	27.5	27.9	
4H	4H	27.1	27.9	27.5	28.3	28.7	27.0	27.8	27.4	28.2	28.5	
4H	6H	27.6	28.4	28.1	28.8	29.2	27.5	28.2	27.9	28.6	29.0	
4H	8H	27.8	28.5	28.2	28.9	29.3	27.6	28.3	28.1	28.7	29.2	
4H	12H	27.9	28.5	28.4	29.0	29.4	27.7	28.4	28.2	28.8	29.2	
8H	4H	27.4	28.0	27.8	28.4	28.9	27.2	27.9	27.7	28.3	28.8	
8H	6H	28.0	28.6	28.5	29.0	29.5	27.9	28.5	28.4	28.9	29.4	
8H	8H	28.3	28.8	28.8	29.2	29.7	28.1	28.6	28.6	29.1	29.6	
8H	12H	28.5	28.9	29.0	29.4	29.9	28.3	28.7	28.8	29.2	29.7	
12H	4H	27.4	28.0	27.8	28.4	28.9	27.3	27.9	27.7	28.3	28.8	
12H	6H	28.1	28.6	28.6	29.0	29.5	28.0	28.4	28.4	28.9	29.4	
12H	8H	28.4	28.8	28.9	29.3	29.8	28.2	28.6	28.7	29.1	29.6	

Variation of the observer position for the luminaire distances S

Correction summand	+0.11/2	+0.11/0.1
S = 1.5H	+0.3/0.3	+0.4/0.4
Standard table	+0.3/0.3	+0.4/0.4
Correction summands referring to 840lm and 840lm beam flux	+0.3/0.3	+0.4/0.4

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