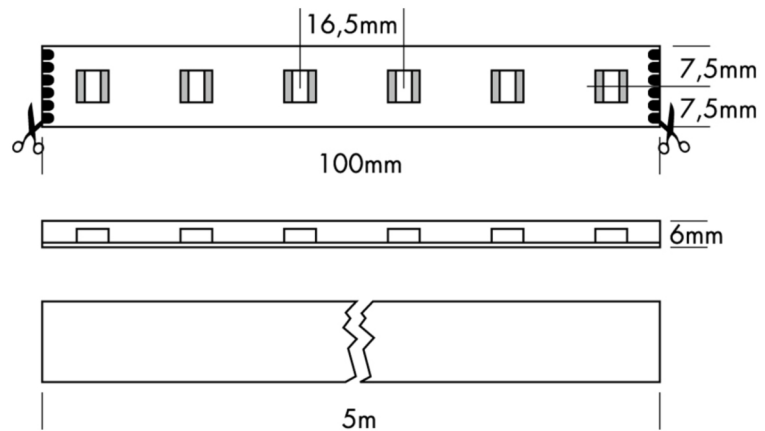


# Data sheet

L65D5906 - Flex Strip IP68 RGB+CCT 5-in-1

# PROLED®

Article name: Flex Strip IP68 RGB+CCT 5-in-1  
Article number: L65D5906



## 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.

- RGBW+WW (5 colours in one LED). Pastel colour shades and adjustment of the colour temperature possible.
- 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.
- IP68 for under water use (power supply cable/end caps IP65 when correctly sealed).
- dimmable, autom. colour change, controllable via DMX 512, DALI, KNX, 1-10V, CASAMBI, RF by MULTI power supplies/controller

## Technical:

<b>Mounting type:</b>	Surface-mounted on ceiling	<b>Electric:</b>	
<b>Adjustability:</b>	Fixed	System power:	25 W
<b>Controllability:</b>	Dimmable, Colour adjustable	Current:	24 V
<b>Safety:</b>	IP68	Safety class:	3
<b>Temperature range:</b>	-10...45 °C	EEL:	G
<b>Lifetime:</b>	50.000 h at L80B10	UGR:	-

## Shape and dimensions:

Length:	1000 mm
Width:	15 mm
Height:	6 mm
Weight:	-

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**Light output 1 (LED Red):**

<b>Lamp type:</b>	LED
<b>Lamp power:</b>	5 W
<b>Total luminous flux:</b>	130 lm
<b>Light efficiency:</b>	26 lm/W
<b>CCT:</b>	3000 K
<b>CRI:</b>	0
<b>Light distribution:</b>	(Symmetrical) Wide flood (half value angle 45°...125°)

**Light output 2 (LED Green):**

<b>Lamp type:</b>	LED
<b>Lamp power:</b>	5 W
<b>Total luminous flux:</b>	330 lm
<b>Light efficiency:</b>	66 lm/W
<b>CCT:</b>	3000 K
<b>CRI:</b>	0
<b>Light distribution:</b>	(Symmetrical) Wide flood (half value angle 45°...125°)

**Light output 3 (LED Blue):**

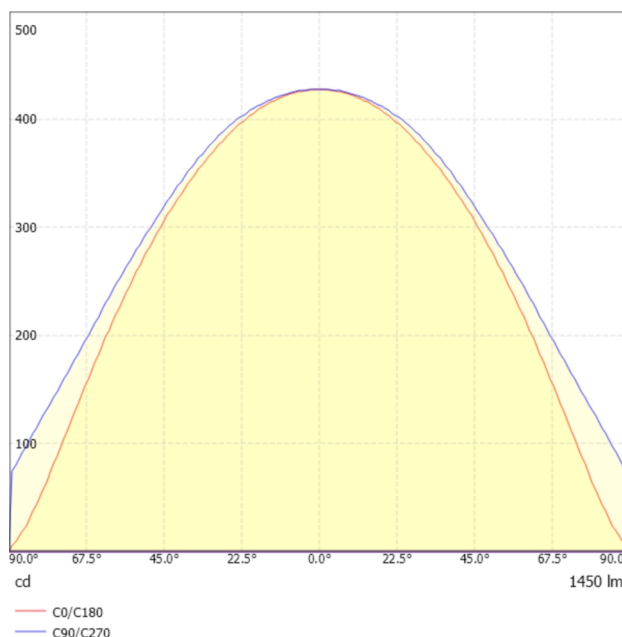
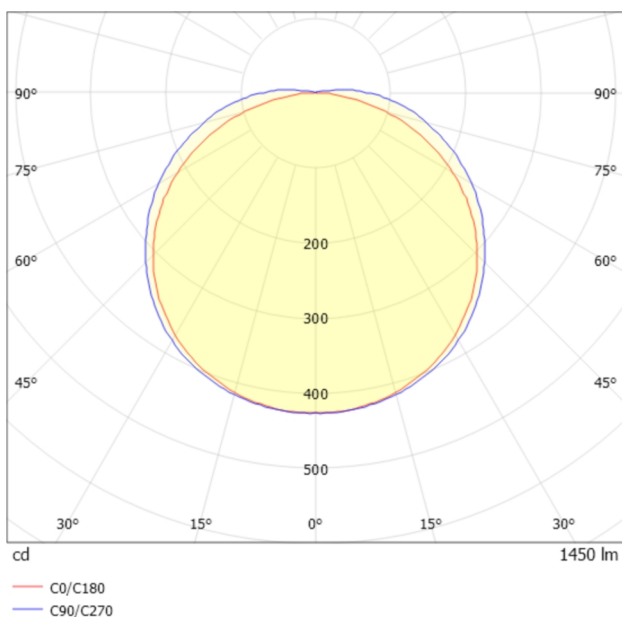
<b>Lamp type:</b>	LED
<b>Lamp power:</b>	5 W
<b>Total luminous flux:</b>	80 lm
<b>Light efficiency:</b>	16 lm/W
<b>CCT:</b>	3000 K
<b>CRI:</b>	0
<b>Light distribution:</b>	(Symmetrical) Wide flood (half value angle 45°...125°)

**Light output 4 (LED 6000K - CRI 80):**

<b>Lamp type:</b>	LED
<b>Lamp power:</b>	5 W
<b>Total luminous flux:</b>	500 lm
<b>Light efficiency:</b>	100 lm/W
<b>CCT:</b>	6000 K
<b>CRI:</b>	-
<b>Light distribution:</b>	(Symmetrical) Wide flood (half value angle 45°...125°)

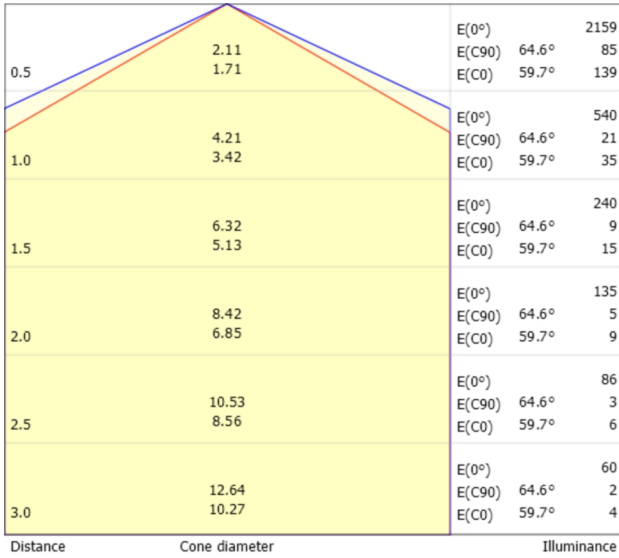
**Light output 5 (LED 2400K - CRI 80):**

<b>Lamp type:</b>	LED
<b>Lamp power:</b>	5 W
<b>Total luminous flux:</b>	410 lm
<b>Light efficiency:</b>	82 lm/W
<b>CCT:</b>	2400 K
<b>CRI:</b>	-
<b>Light distribution:</b>	(Symmetrical) Wide flood (half value angle 45° ... 125°)



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

## Glare evaluation according to UGR

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	2H	25.7	27.1	26.1	27.4	27.7	26.9	28.3	27.2	28.5	28.8
2H	3H	27.2	28.5	27.5	28.8	29.1	29.0	30.3	29.3	30.6	30.9
2H	4H	27.7	28.9	28.1	29.2	29.6	30.1	31.3	30.4	31.6	31.9
2H	6H	28.1	29.2	28.4	29.5	29.9	31.2	32.3	31.6	32.6	33.0
2H	8H	28.1	29.2	28.5	29.6	29.9	31.8	32.8	32.2	33.2	33.6
2H	12H	28.2	29.2	28.6	29.6	29.9	32.4	33.4	32.8	33.8	34.2
4H	2H	26.6	27.8	26.9	28.1	28.4	27.4	28.6	27.8	29.0	29.3
4H	3H	28.2	29.2	28.6	29.6	30.0	29.7	30.8	30.1	31.1	31.5
4H	4H	28.9	29.8	29.3	30.2	30.6	30.9	31.9	31.4	32.2	32.7
4H	6H	29.3	30.1	29.8	30.6	31.0	32.2	33.0	32.7	33.4	33.9
4H	8H	29.5	30.2	29.9	30.6	31.1	32.9	33.6	33.3	34.1	34.5
4H	12H	29.5	30.2	30.0	30.7	31.1	33.6	34.3	34.1	34.7	35.2
8H	4H	29.4	30.1	29.8	30.5	31.0	31.2	31.9	31.6	32.4	32.8
8H	6H	30.0	30.6	30.5	31.1	31.6	32.6	33.2	33.1	33.7	34.2
8H	8H	30.2	30.8	30.7	31.2	31.8	33.4	33.9	33.9	34.4	34.9
8H	12H	30.3	30.8	30.9	31.3	31.9	34.2	34.7	34.8	35.2	35.8
12H	4H	29.5	30.1	29.9	30.6	31.1	31.2	31.9	31.7	32.3	32.8
12H	6H	30.2	30.7	30.7	31.2	31.7	32.6	33.2	33.1	33.7	34.2
12H	8H	30.4	30.9	31.0	31.4	32.0	33.5	33.9	34.0	34.4	35.0

## Variation of the observer position for the luminaire distances S

Correction command	+0.13/1.0	+0.17/3.0
S = 1.5H	+0.3/0.4	+0.4/0.2
Standard table	+0.3/0.4	+0.4/0.2
Correction indices referring to 1450lm/1250lm luminous flux	+0.3/0.4	+0.4/0.2

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