

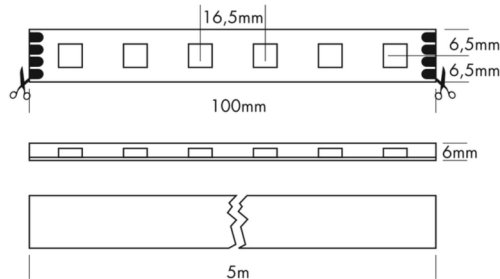
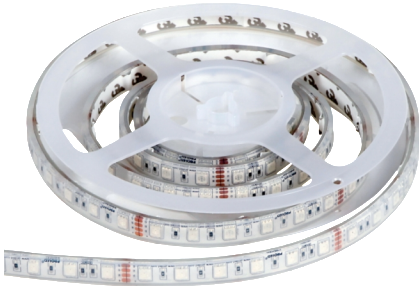
# Data sheet

L6555 - Flex Strip IP68 HD RGB 5m

# PROLED®

Article name: Flex Strip IP68 HD RGB 5m

Article number: L6555



## 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.

- 3 colours in one LED, 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.
- 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:	13.7 W
<b>Controllability:</b>	Dimmable	Current:	24 V
<b>Safety:</b>	IP68	Safety class:	3
<b>Temperature range:</b>	-10...45 °C	EEL:	A++ - A
<b>Lifetime:</b>	50.000 h at L80B10	UGR:	-

## Shape and dimensions:

Length:	1000 mm
Width:	13 mm
Height:	6 mm
Weight:	-

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### Light output 1 (LED Blue):

Lamp type:	LED
Lamp power:	4.8 W
Total luminous flux:	90 lm
Light efficiency:	18.8 lm/W
CCT:	-
CRI:	-
Light distribution:	(Symmetrical) Wide flood (half value angle 45°...125°)

### Light output 2 (LED Green):

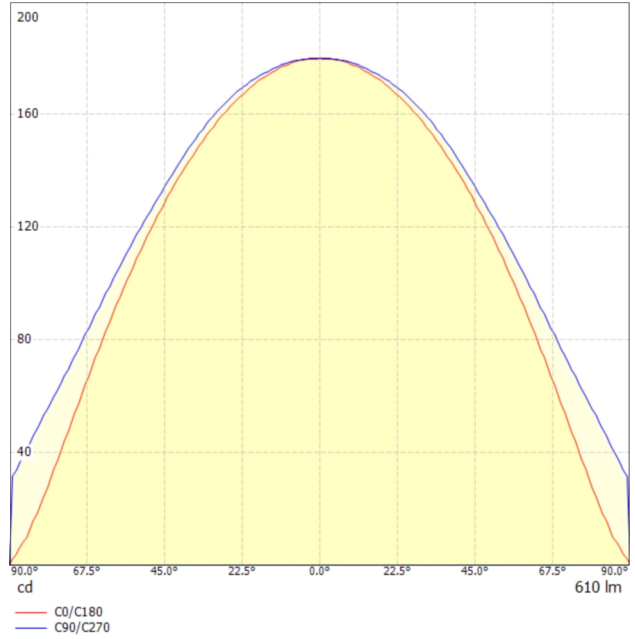
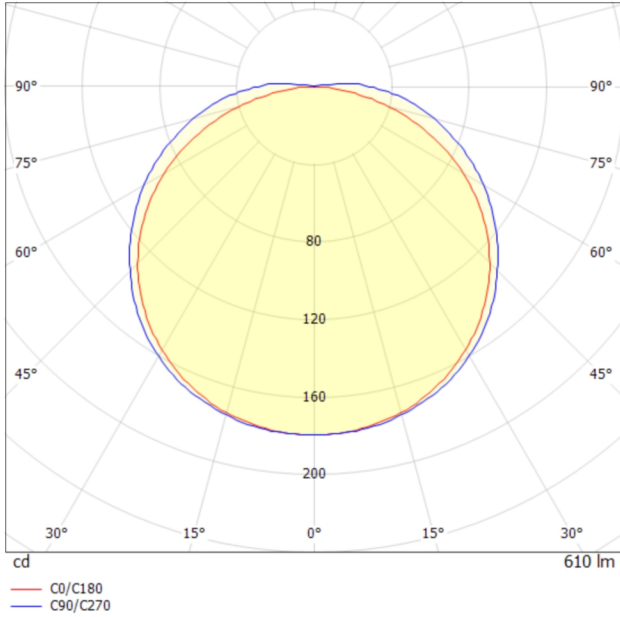
Lamp type:	LED
Lamp power:	4.5 W
Total luminous flux:	380 lm
Light efficiency:	84.4 lm/W
CCT:	7247 K
CRI:	-
Light distribution:	(Symmetrical) Wide flood (half value angle 45°...125°)

### Light output 3 (LED Red):

Lamp type:	LED
Lamp power:	4.4 W
Total luminous flux:	140 lm
Light efficiency:	31.8 lm/W
CCT:	-
CRI:	-
Light distribution:	(Symmetrical) Wide flood (half value angle 45°...125°)

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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	+0.1 / -0.1	+0.2 / -0.2
S = 1.0H	+0.1 / -0.1	+0.2 / -0.2
S = 1.5H	+0.3 / -0.4	+0.3 / -0.4
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 610lm total luminous flux

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