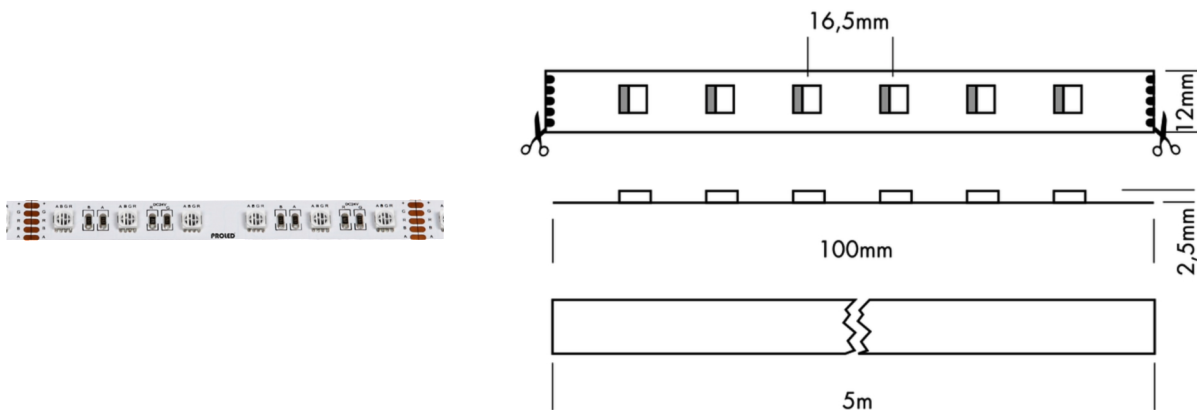


# Data sheet

L65D807 - Flex Strip RGBA 4-in-1

**PROLED®**

Article name: Flex Strip RGBA 4-in-1  
Article number: L65D807



## 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.

- RGBA (4 colours in one LED). Larger colour range and real amber colours possible.
- High flexibility - adaptable to round shapes.
- Installation with 3M adhesive tape on the strip's backside (self adhesive).
- 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:	20,1 W
<b>Controllability:</b>	Dimmable	Current:	24 V
<b>Safety:</b>	IP20	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:	12 mm
Height:	3 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>	150 lm
<b>Light efficiency:</b>	30 lm/W
<b>CCT:</b>	- 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>	5.1 W
<b>Total luminous flux:</b>	450 lm
<b>Light efficiency:</b>	88.2 lm/W
<b>CCT:</b>	7247 K
<b>CRI:</b>	0
<b>Light distribution:</b>	(Symmetrical) Wide flood (half value angle 45°...125°)

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

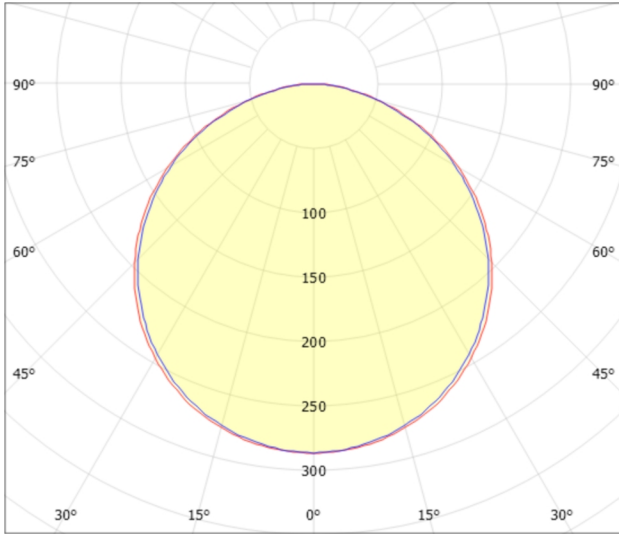
<b>Lamp type:</b>	LED
<b>Lamp power:</b>	5 W
<b>Total luminous flux:</b>	90 lm
<b>Light efficiency:</b>	18 lm/W
<b>CCT:</b>	- K
<b>CRI:</b>	0
<b>Light distribution:</b>	(Symmetrical) Wide flood (half value angle 45°...125°)

**Light output 4 (LED Amber):**

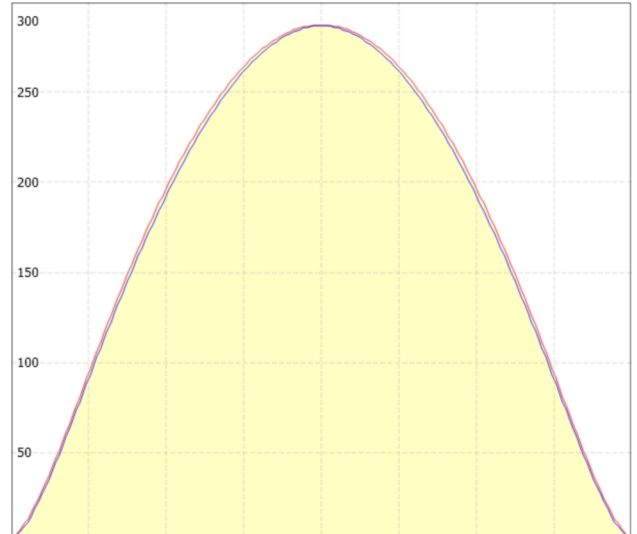
<b>Lamp type:</b>	LED
<b>Lamp power:</b>	5 W
<b>Total luminous flux:</b>	140 lm
<b>Light efficiency:</b>	28 lm/W
<b>CCT:</b>	- K
<b>CRI:</b>	0
<b>Light distribution:</b>	(Symmetrical) Wide flood (half value angle 45°...125°)

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cd 830 lm  
 — C0/C180  
 — C90/C270



cd 830 lm  
 — C0/C180  
 — C90/C270

Distance	Cone diameter	illuminance
0.5	1.51 1.56	E(0°) 785 E(C90) 56.4° 67 E(C0) 57.3° 62
1.0	3.01 3.12	E(0°) 196 E(C90) 56.4° 17 E(C0) 57.3° 15
1.5	4.52 4.67	E(0°) 87 E(C90) 56.4° 7 E(C0) 57.3° 7
2.0	6.02 6.23	E(0°) 49 E(C90) 56.4° 4 E(C0) 57.3° 4
2.5	7.53 7.79	E(0°) 31 E(C90) 56.4° 3 E(C0) 57.3° 2
3.0	9.03 9.35	E(0°) 22 E(C90) 56.4° 2 E(C0) 57.3° 2

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

### 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	23.9	25.2	24.2	25.4	25.7	23.8	25.1	24.1	25.3	25.6	
2H	3H	25.4	26.6	25.8	26.9	27.2	25.3	26.5	25.6	26.8	27.1	
2H	4H	26.0	27.2	26.4	27.5	27.8	25.9	27.0	26.2	27.3	27.6	
2H	6H	26.5	27.5	26.8	27.8	28.2	26.3	27.4	26.7	27.7	28.0	
2H	8H	26.6	27.6	27.0	27.9	28.3	26.4	27.4	26.8	27.8	28.1	
2H	12H	26.7	27.7	27.1	28.0	28.3	26.5	27.4	26.9	27.8	28.1	
4H	2H	24.5	25.7	24.9	26.0	26.3	24.5	25.6	24.8	25.9	26.2	
4H	3H	26.3	27.3	26.7	27.6	27.9	26.2	27.1	26.6	27.5	27.8	
4H	4H	27.0	27.9	27.4	28.2	28.6	26.9	27.8	27.3	28.1	28.5	
4H	6H	27.6	28.3	28.0	28.7	29.1	27.4	28.2	27.9	28.6	29.0	
4H	8H	27.8	28.4	28.2	28.8	29.3	27.6	28.3	28.0	28.7	29.1	
4H	12H	27.9	28.5	28.3	28.9	29.4	27.7	28.3	28.1	28.7	29.2	
8H	4H	27.3	28.0	27.8	28.4	28.8	27.2	27.9	27.6	28.3	28.7	
8H	6H	28.0	28.5	28.5	29.0	29.5	27.8	28.4	28.3	28.8	29.3	
8H	8H	28.2	28.7	28.7	29.2	29.7	28.1	28.6	28.6	29.0	29.5	
8H	12H	28.4	28.8	28.9	29.3	29.8	28.2	28.7	28.7	29.1	29.6	
12H	4H	27.3	27.9	27.8	28.4	28.8	27.2	27.8	27.7	28.3	28.7	
12H	6H	28.0	28.5	28.5	29.0	29.5	27.9	28.4	28.4	28.9	29.3	
12H	8H	28.3	28.8	28.8	29.2	29.7	28.2	28.6	28.7	29.1	29.6	

Variation of the observer position for the luminaire distances S

Correction command	+0.11/±0.1	+0.11/±0.1
S = 1.5H	+0.3/±0.3	+0.3/±0.4
Standard table	+0.3/±0.3	+0.3/±0.4

Correction factors referring to 830lm and 830lm beam flux

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