

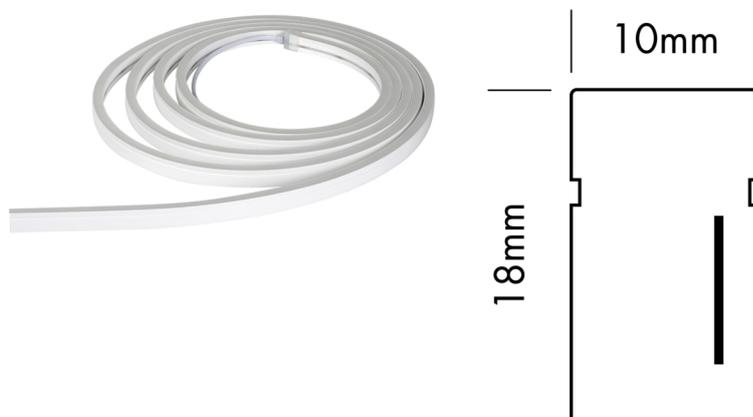
Data sheet

L6OP400 - Flex Strip Opal Liverpool RGB

PROLED[®]

Article name: Flex Strip Opal Liverpool RGB

Article number: L6OP400



Article description:

The PROLED FLEX STRIPS OPAL are perfect for outline illumination or homogeneous light lines (e.g. for fair or shop applications,..). Due to their shallow design and the individually adaptable lengths the PROLED FLEX STRIPS OPAL offer a wide spectrum of application possibilities.

- 3 Farben in eine LED. Deshalb 100% gleichmäßige Farbmischung.
- High flexibility - adaptable to round shapes.
- Homogeneous illumination (no visible light spots).
- Installation with aluminium profile or special glue.
- dimmable and controllable via DMX 512, DALI, KNX, 1-10V, CASAMBI, RF by MULTI power supplies/controller

Technical:

Mounting type:	Surface-mounted on ceiling	Electric:	
Adjustability:	Fixed	System power:	14.7 W
Controllability:	Dimmable	Current:	24 V
Safety:	IP54	Safety class:	3
Temperature range:	-10...45 °C	EEL:	A++ - A
Lifetime:	50.000 h at L80B10	UGR:	-

Shape and dimensions:

Length:	1000 mm
Width:	10 mm
Height:	18 mm
Weight:	-

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MBN GmbH | Balthasar-Schaller-Str. 3 | 86316 Friedberg | Germany
Phone +49.821.60099-0 | Fax +49.821.60099-99
info@proled.com | proled.com

Light output 1 (LED Blue):

Lamp type:	LED
Lamp power:	4.9 W
Total luminous flux:	30 lm
Light efficiency:	6.1 lm/W
CCT:	-
CRI:	-
Light distribution:	(Symmetrical) Wide flood (half value angle 45°...125°)

Light output 2 (LED Green):

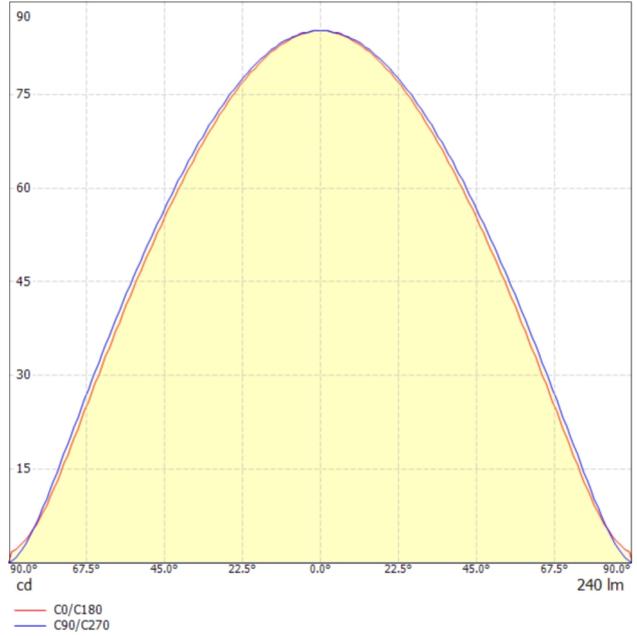
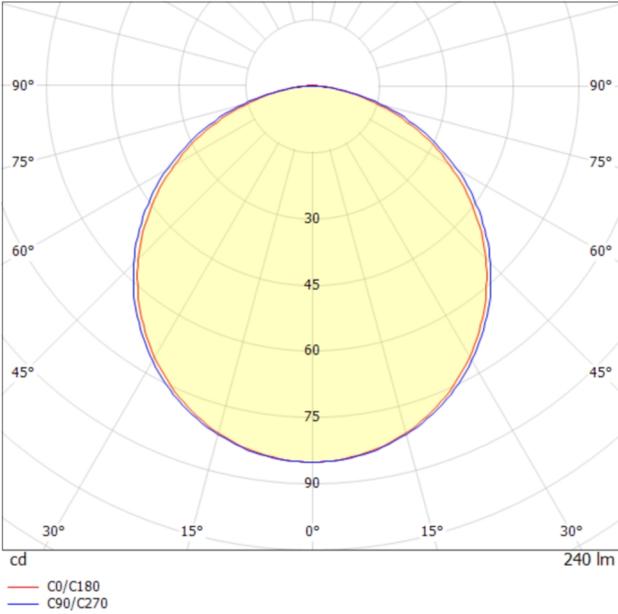
Lamp type:	LED
Lamp power:	4.8 W
Total luminous flux:	150 lm
Light efficiency:	31.2 lm/W
CCT:	7247 K
CRI:	-
Light distribution:	(Symmetrical) Wide flood (half value angle 45°...125°)

Light output 3 (LED Red):

Lamp type:	LED
Lamp power:	5 W
Total luminous flux:	60 lm
Light efficiency:	12 lm/W
CCT:	-
CRI:	90
Light distribution:	(Symmetrical) Wide flood (half value angle 45°...125°)

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Distance	Cone diameter	Illuminance
0.5	1.50 1.42	E(0°) 589 E(C90) 56.3° 50 E(C0) 54.9° 56
1.0	3.00 2.85	E(0°) 147 E(C90) 13 E(C0) 14
1.5	4.50 4.27	E(0°) 65 E(C90) 6 E(C0) 6
2.0	6.00 5.69	E(0°) 37 E(C90) 3 E(C0) 4
2.5	7.50 7.11	E(0°) 24 E(C90) 2 E(C0) 2
3.0	9.00 8.54	E(0°) 16 E(C90) 1 E(C0) 2

Distance Cone diameter Illuminance

— C0/C180 (Half-peak divergence: 109.8°)
— C90/C270 (Half-peak divergence: 112.6°)

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	4H	6H	8H	12H	2H	4H	6H	8H	12H
2H	2H	21.4	22.7	21.7	23.0	23.2	21.6	22.9	21.9	23.1	23.4
2H	3H	22.9	24.1	23.2	24.3	24.6	23.1	24.3	23.5	24.6	24.9
2H	4H	23.4	24.6	23.8	24.8	25.2	23.7	24.9	24.1	25.2	25.5
2H	6H	23.8	24.8	24.2	25.2	25.5	24.1	25.2	24.5	25.5	25.8
2H	8H	23.9	24.9	24.3	25.2	25.6	24.3	25.3	24.6	25.6	25.9
2H	12H	24.0	24.9	24.4	25.3	25.6	24.3	25.3	24.7	25.6	25.9
4H	2H	22.1	23.2	22.4	23.5	23.8	22.2	23.4	22.6	23.6	24.0
4H	3H	23.8	24.7	24.1	25.1	25.4	24.0	24.9	24.4	25.3	25.6
4H	4H	24.4	25.3	24.8	25.6	26.0	24.7	25.6	25.1	25.9	26.3
4H	6H	24.9	25.6	25.3	26.0	26.4	25.2	26.0	25.6	26.3	26.8
4H	8H	25.1	25.7	25.5	26.1	26.6	25.4	26.0	25.8	26.4	26.9
4H	12H	25.2	25.8	25.6	26.2	26.7	25.4	26.1	25.9	26.5	26.9
8H	4H	24.7	25.4	25.2	25.8	26.2	25.0	25.6	25.4	26.0	26.5
8H	6H	25.3	25.9	25.8	26.3	26.8	25.6	26.1	26.1	26.6	27.1
8H	8H	25.5	26.0	26.0	26.5	27.0	25.8	26.3	26.3	26.7	27.2
8H	12H	25.7	26.1	26.2	26.6	27.1	25.9	26.3	26.4	26.8	27.3
12H	4H	24.7	25.4	25.2	25.8	26.2	25.0	25.6	25.4	26.0	26.5
12H	6H	25.4	25.9	25.9	26.3	26.8	25.6	26.1	26.1	26.6	27.1
12H	8H	25.6	26.0	26.1	26.5	27.0	25.9	26.3	26.4	26.8	27.3

Variation of the observer position for the luminaire distances S

S = 1.0H	+0.1 / -0.1	+0.1 / -0.1
S = 1.5H	+0.3 / -0.4	+0.2 / -0.3
S = 2.0H	+0.4 / -0.8	+0.4 / -0.7

Standard table	BK05	BK05
Correction summand	8.0	8.2

Correction glare indices referring to 240lm total luminous flux

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