LEDPRO
THE NETHERLANDS | HONG KONG | CHINA

Compact light. Precise contours.

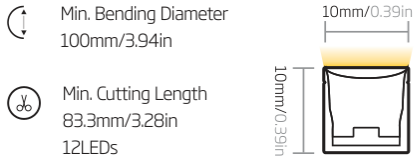
Neon-Flex S10 | Silicone | 24V DC

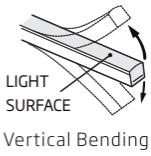
A 10 x 10 mm silicone light line in dedicated horizontal (HB) and vertical (VB) bending versions. White light up to CRI 95, plus red, green, blue and amber.

Een compacte silicone lichtlijn van 10 x 10 mm, horizontaal of verticaal buigbaar. Wit licht tot CRI 95 en vier vaste lichtkleuren.

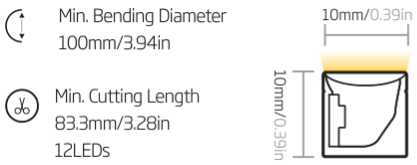
VB - vertical bending

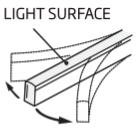
HB - horizontal bending





Vertical Bending





Horizontal Bending

Property	Specification
Section / bending	10 x 10 mm / min. diameter 100 mm (R50 mm)
Voltage / power	24V DC constant voltage / 4.5 or 9 W/m
LEDs / cut length	144 LEDs/m / 83.3 mm (12 LEDs)
IP rating	IP20 swivel / IP65 socket / IP67 silicone moulded
Working temperature	4.5 W/m: -40 to +65 C / 9 W/m: -40 to +60 C
Storage temperature	-40 to +60 C
Dimming	PWM 100-2000 Hz; recommended 500 Hz
Weight / delivery length	Not specified / made to cutting units; limits apply

Specify bending direction, colour, length, connection type and cable exit. IP rating depends on correct assembly of the complete light.

Light output & configurations

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All options: 24V DC | 83.3 mm cutting unit | values for finished light

Bend	CCT	CRI	W/m	lm/m
VB	2200K	80	4.5	195
VB	2700K	80	4.5	220
VB	3000K	80	4.5	220
VB	3500K	80	4.5	220
VB	4000K	80	4.5	220
VB	5700K	80	4.5	220
VB	2700K	90	4.5	180
VB	3000K	90	4.5	180
VB	3500K	90	4.5	180
VB	4000K	90	4.5	180
VB	3000K	95	4.5	150
VB	2200K	80	9	390
VB	2700K	80	9	440
VB	3000K	80	9	440
VB	3500K	80	9	440
VB	4000K	80	9	440
VB	5700K	80	9	440
HB	2200K	80	4.5	185
HB	2700K	80	4.5	210
HB	3000K	80	4.5	210
HB	3500K	80	4.5	210
HB	4000K	80	4.5	210
HB	5700K	80	4.5	210
HB	2700K	90	4.5	170
HB	3000K	90	4.5	170
HB	3500K	90	4.5	170
HB	4000K	90	4.5	170
HB	3000K	95	4.5	140
HB	2200K	80	9	370
HB	2700K	80	9	420
HB	3000K	80	9	420
HB	3500K	80	9	420
HB	4000K	80	9	420
HB	5700K	80	9	420

Colour	VB lm/m	HB lm/m	W/m
Red	80	50	4.5
Green	220	200	4.5
Blue	50	30	4.5
Amber	80	50	4.5

Feed lengths & connections

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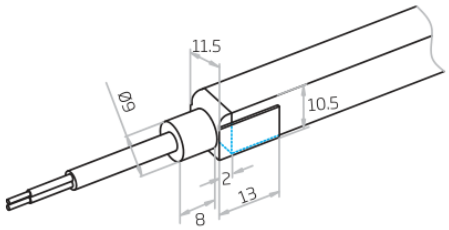
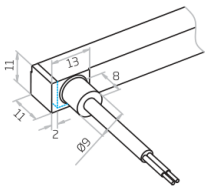
Connector	IP	W/m	Single m	Double m	Load W*
Silicone moulded	IP67	4.5	15	30	67.5 / 135
Silicone moulded	IP67	9	7.5	15	67.5 / 135
Socket	IP65	4.5	10	20	45 / 90
Socket	IP65	9	5	10	45 / 90
Swivel	IP20	4.5	10	20	45 / 90
Swivel	IP20	9	5	10	45 / 90

* Nominal connected load: single / double feed. Driver capacity is additional: use at least 25% headroom. Limits are based on a 0.3 m cable at full load; verify cable length and voltage drop. Delivery length may differ from electrical run length.

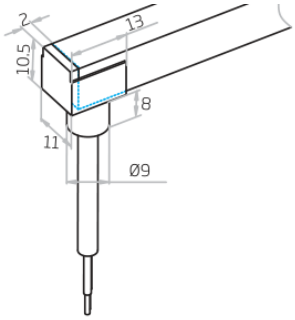
End feed | silicone moulded IP67



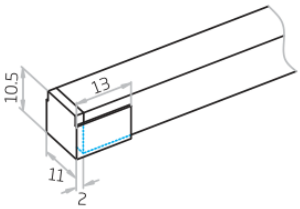
Side feed | silicone moulded IP67



Bottom feed | silicone moulded IP67



End cap | silicone moulded IP67



Factory-moulded parts are supplied as part of the manufactured light. Swivel IP20 and socket IP65 connectors support on-site assembly. End, side and bottom cable exits must be specified when ordering.

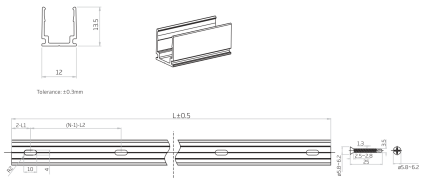
Mounting profiles & installation

Neon-Flex S10 | Silicone | 24V DC

Aluminum profile | NFS10-A/PL

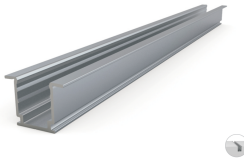
Lengths: 35 / 500 / 1000 / 2000 mm. Section: 12 x 13.5 mm.

Dimension: mm

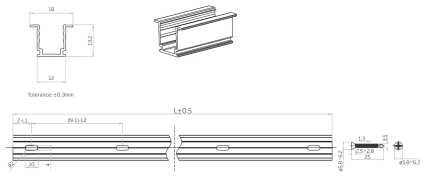


Flange aluminum profile | NFS10-FA/PL

Lengths: 35 / 500 / 1000 / 2000 mm. Section: 18 x 13.2 mm.

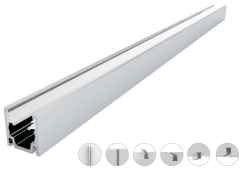


Dimension: mm

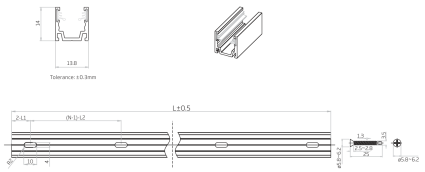


Serrated aluminum profile | NFS10-SA/PL

Lengths: 20 / 500 / 1000 / 2000 mm. Section: 13.8 x 14 mm.



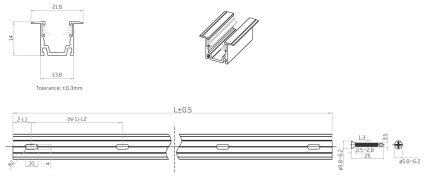
Dimension: mm



Flange serrated aluminum profile | NFS10-FSA/PL

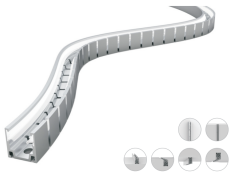
Lengths: 20 / 500 / 1000 / 2000 mm. Section: 21.8 x 14 mm.

Dimension: mm

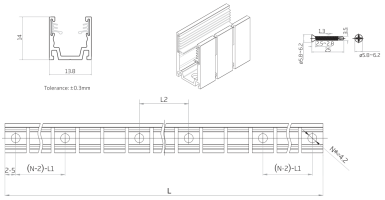


Bendable serrated aluminum profile | NFS10-BSA/PL

Lengths: 500 / 1000 mm. Section: 13.8 x 14 mm.



Dimension: mm



Bendable profile: horizontal curves only; min. diameter 100 mm (teeth outwards) / 200 mm (teeth inwards). Leave 5 mm between profiles. Deburr profiles, support light lengths over 2 m and do not twist. See the webpage for enlarged drawings, accessories and illustrated mounting instructions.