

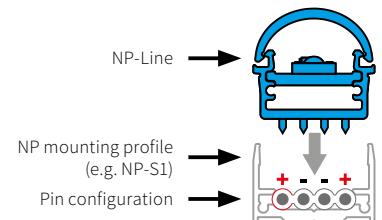


NP Navigator

Datenblatt
Datasheet

NP Navigator

Für energieeffiziente und wirtschaftliche Beleuchtungen
For Energy-Efficient and Cost-Effective Lighting



43 m per feed-in | 1200 lm/m** | CRI > 80 | 2700 K – 6500 K

Ihre hohe Effizienz von 130 lm/W machen die NauticProfil® Navigator zur ersten Wahl für wirtschaftliche Allgemeinbeleuchtungen. Die wartungsfreie Lebensdauer von über 50 000 Stunden trägt ebenfalls dazu bei. Rund 1200 lm/m Lichtstrom sorgen für ausreichend Helligkeit.

The highly efficient 130 lm/W makes the NauticProfil® Navigator series the first choice for cost-effective general lighting. The maintenance-free lifespan of more than 50 000 hours also contributes to the cost-effectiveness of this product. Sufficient brightness is achieved with around 1200 lm/m luminous flux.



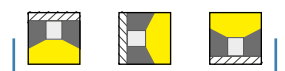
Eigenschaften Characteristics



Dimmbar Dimming



Optional Optional



Montage Mounting

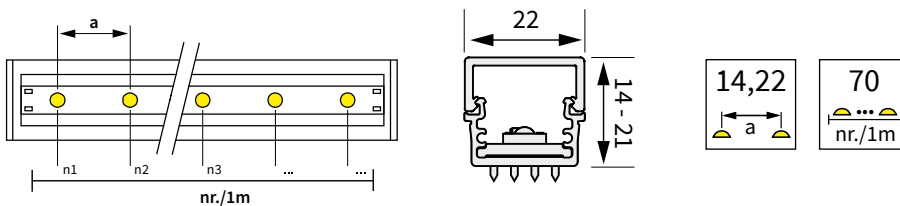
** Alle Angaben zum Lumenstrom beziehen sich auf das Leuchtmittel. In Kombination mit Cover/Linsen kommt es zu materialbedingtem Lichtverlust.
All information about the luminous flux refers to the light source. In combination with covers/lenses it comes to material-related light loss.

Technische Daten Technical Data

Nominal voltage: 24 VDC (Range: 23,5V to 26VDC)
 Nominal wattage: 9,6W/m
 Photometric code: 8XX/339; CRI typ. 83
 Luminous efficiency [typ]: 130 lm/W
 LED service life: L80/B10 - 100 000 h | L90/B10 - 44 000 h
 Dimmable: Pulse width modulation (PWM)
 Length dividing matrix: 100 mm
 LED pitch: 14,22 mm, 70 LEDs/m

Max. length per feed-in:
 L(max) DIMMED = 43 m (458 W)
 2 x 16A PWM Dimmer, cabling scheme D/PWM/2bb
 L(max) NOT DIMMED = 43 m (459 W),
 according to cabling scheme S/1

Maße ohne Montageprofil, cover Square Dimensions without Mounting Profile, cover Square



Übersicht Längen & Wattagen Overview Lengths & Wattages

Product-Nr.	L (mm)*	Watt
FLNP/L/14A0108/###/###	0108	0,96
FLNP/L/14A0208/###/###	0208	1,92
FLNP/L/14A0308/###/###	0308	2,88
FLNP/L/14A0408/###/###	0408	3,84
FLNP/L/14A0508/###/###	0508	4,80
FLNP/L/14A0608/###/###	0608	5,76
FLNP/L/14A0708/###/###	0708	6,72
FLNP/L/14A0808/###/###	0808	7,68
FLNP/L/14A0908/###/###	0908	8,64
FLNP/L/14A1008/###/###	1008	9,60

Product-Nr.	L (mm)*	Watt
FLNP/L/14A1108/###/###	1108	10,56
FLNP/L/14A1208/###/###	1208	11,52
FLNP/L/14A1308/###/###	1308	12,48
FLNP/L/14A1408/###/###	1408	13,44
FLNP/L/14A1508/###/###	1508	14,40
FLNP/L/14A1608/###/###	1608	15,36
FLNP/L/14A1708/###/###	1708	16,32
FLNP/L/14A1808/###/###	1808	17,28
FLNP/L/14A1908/###/###	1908	18,24
FLNP/L/14A2008/###/###	2008	19,20






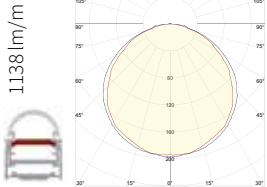
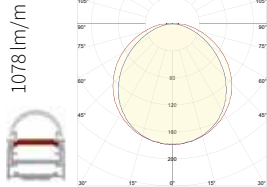
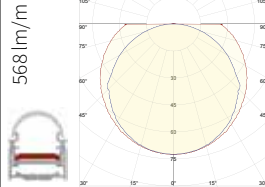

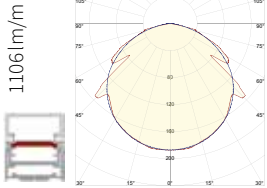
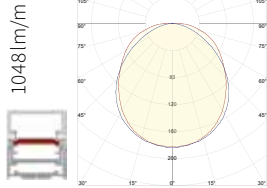
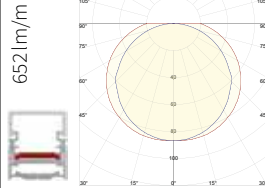
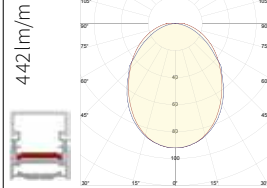

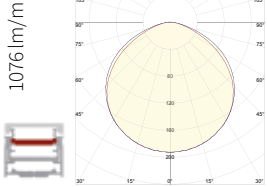
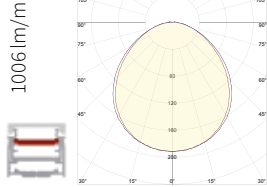
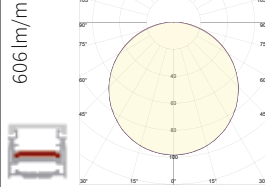

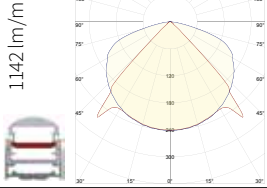
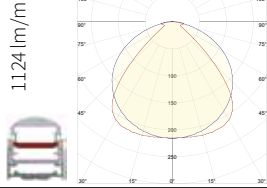

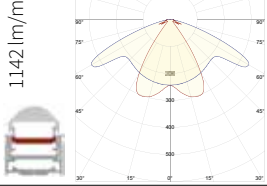
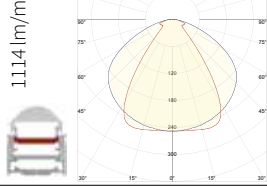

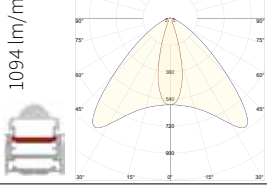
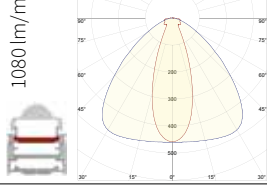

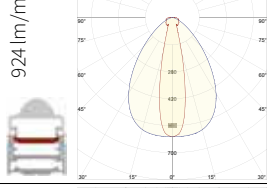

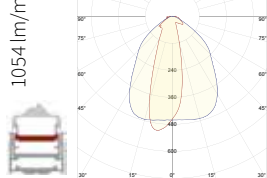
Farbtemperatur und Lumenstrom Colour Temperature and Luminous Flux

CRI	Farbtemperatur Colour Temperature	Lumenstrom Luminous Flux**	
CRI typ. 83	WW 2700 K	ca. 1200 lm/m	827
CRI typ. 83	WW 3000 K	ca. 1200 lm/m	830
CRI typ. 83	NW 4000 K	ca. 1200 lm/m	840
CRI typ. 83	DL 5600 K	ca. 1220 lm/m	856
CRI typ. 83	DL 6500 K	ca. 1220 lm/m	865

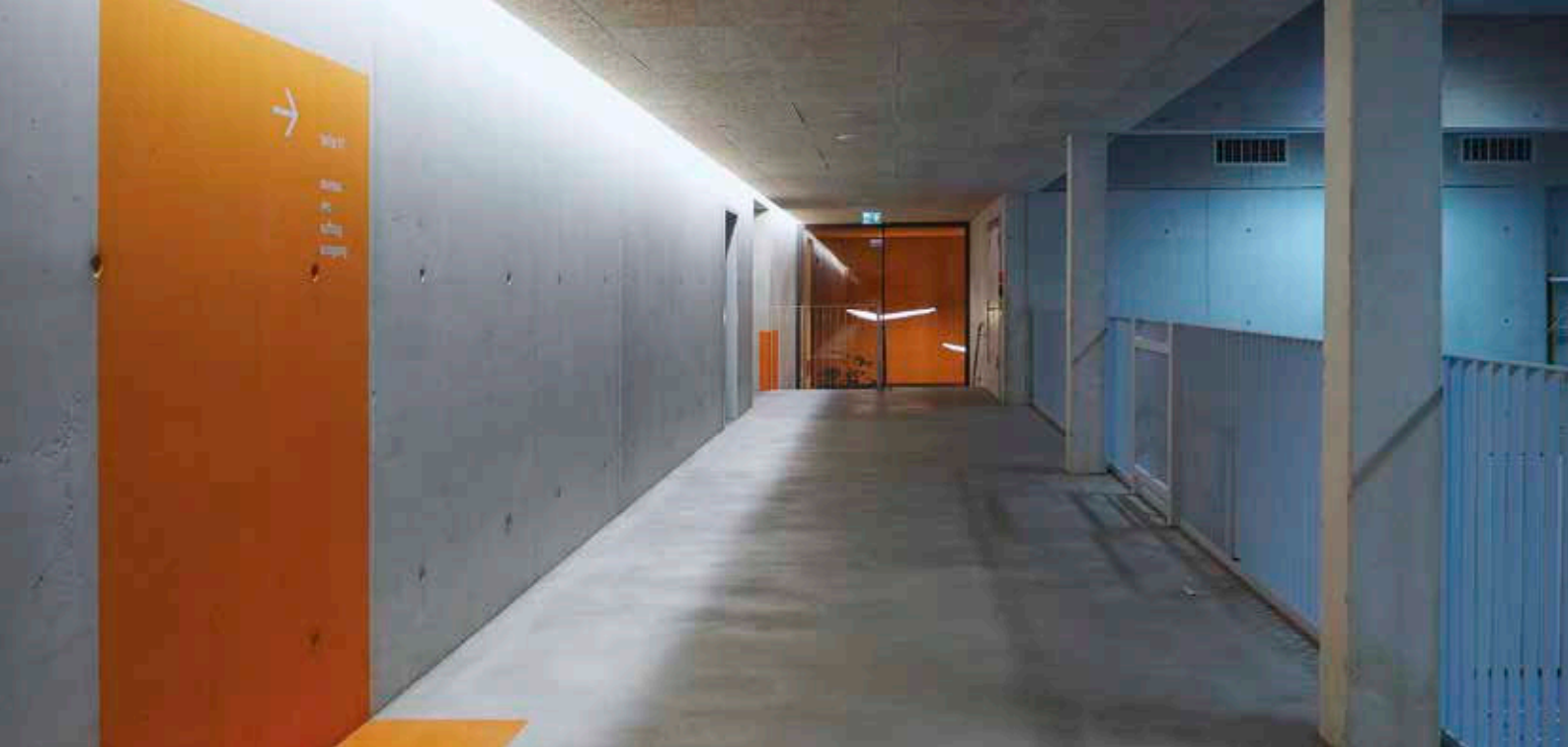
* Länge der Leuchteneinsätze im Innenbereich von 108 mm (0,96W) bis max. 2008 mm (19,2W). Im Außenbereich (IP65) Länge von 108 mm (0,96W) bis max. 1008 mm (9,6W). LED-Teilungsraster ist 100 mm.
 Light inserts for indoor use from 108 mm long (0,96W) up to a maximum length of 2008 mm (19,2 W). Outdoor (IP65) length from 108 mm (0,96W) to max. 1008 mm (9,6W). The grid uses 100mm increments.

Lichtfarbe/-strom, Cover & Linsen und Lichtverteilungskurven (IP40)

Luminous Colour/Flux, Covers & Lenses and Light Distribution Curves (IP40)

Cover & Linsen Covers & Lenses	 T	 F	 W	 G
Cover Round 120°  120° CR	1138 lm/m 	1078 lm/m 	568 lm/m 	
Cover Square 120°  120° CS	1106 lm/m 	1048 lm/m 	652 lm/m 	442 lm/m 
Cover Flat 120°  120° CF	1076 lm/m 	1006 lm/m 	606 lm/m 	
Lens 90°  90° L9	1142 lm/m 	1124 lm/m 		
Lens 60°  60° L6	1142 lm/m 	1114 lm/m 		
Lens 30°  30° L3	1094 lm/m 	1080 lm/m 		
Lens 15°  15° L1		924 lm/m 	<p>Alle Werte in der Tabelle gemessen bei 2700 K. Messwerte unterliegen den typischen Toleranzen. Andere Konfigurationen erhalten Sie auf Anfrage. All values in the table measured at 2700 K. Measured values are subject to the typical tolerances. Other configurations are available on request.</p>	
Lens LAF-2 asymmetric  5° 10° LA		1054 lm/m 		

Alle lichttechnischen Daten – vermessen im FLASHAAR® Lichtlabor – finden Sie unter flashaar.de im Download-Bereich. Alle Messwerte unterliegen den typischen Toleranzen.
All photometric data – measured in FLASHAAR's light laboratory – available at flashaar.de/en in the download area. All measured values are subject to the typical tolerances.

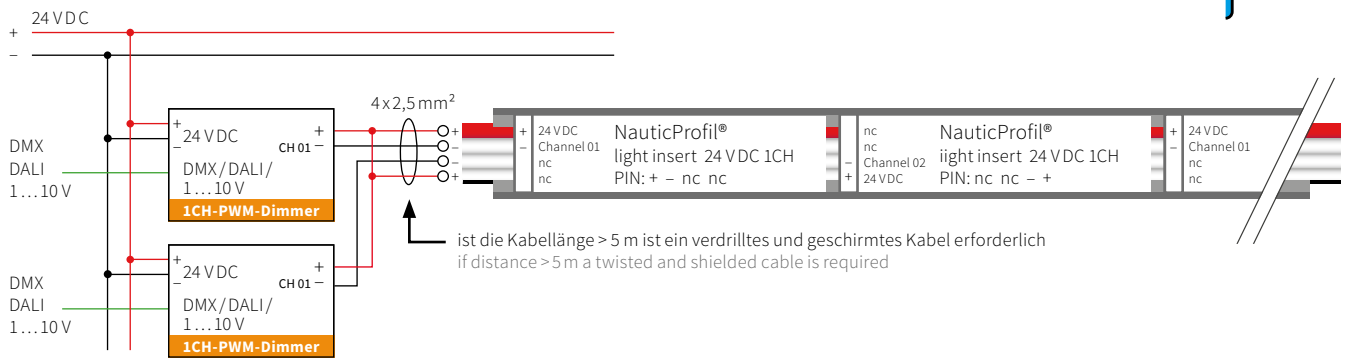
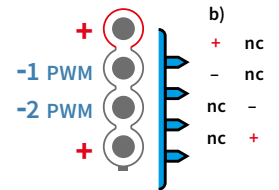


Verdrahtungsschema Cabling Scheme

Beispiel für max. Länge mit einer elektrischen Einspeisung.*
Example for max. Length with one electrical feed.*

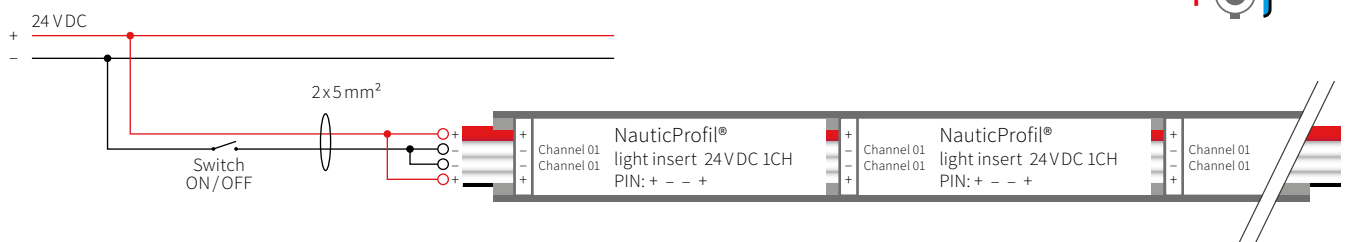
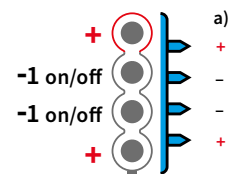
**D/PWM/2bb
(2x1CH)**

Dimmbar mittels PWM, System mit 2 Dimmern 1CH, 24 VDC /
1CH Leuchteneinsätze / Dimmart: PWM
Dimmable by PWM, System with 2 dimmer 1CH, 24 VDC /
1CH light insert / Dimming: PWM



**S/1a
(1x1CH)**

Schaltbar, System mit 1 Kanal /
1CH Leuchteneinsätze mit redundanter PIN-Belegung
To switch ON/OFF, System with 1-channel /
1CH light insert with double PIN connection



Weitere Verdrahtungsschemata in unserem aktuellen Katalog.
Further Cabling Scheme in our current catalogue.

* Standard PIN-Belegung ist + - - + (D/PWM/1a)
standard pin layout is + - - + (D/PWM/1a)

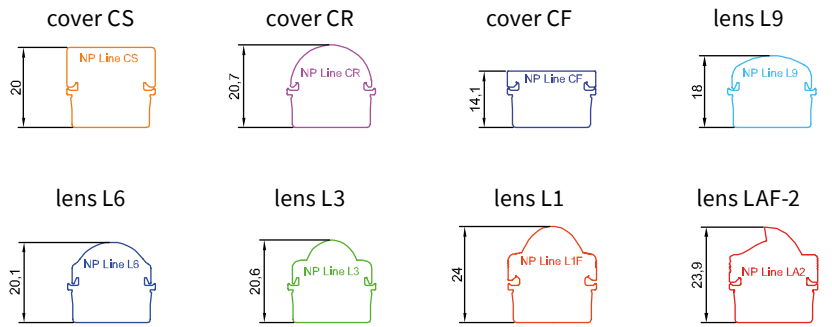
Übersicht Abmessungen und Einbaumaße

Overview dimensions and installation dimensions

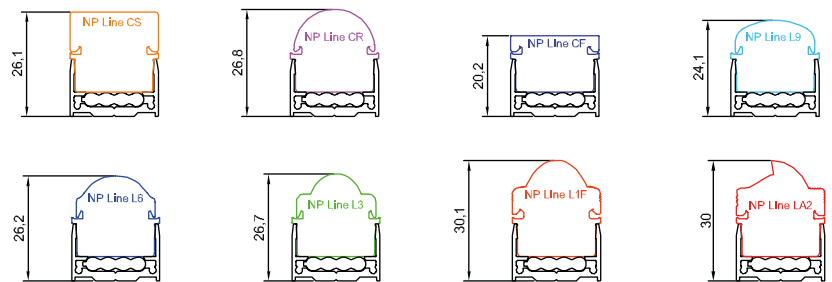
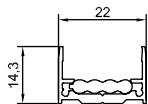
covers and lenses ▶



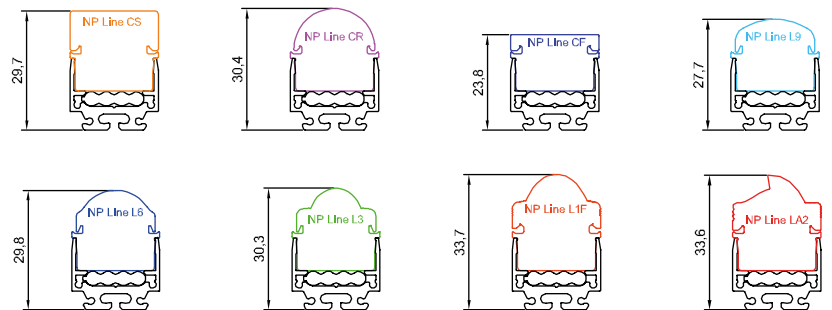
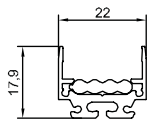
NP mounting profiles ▼



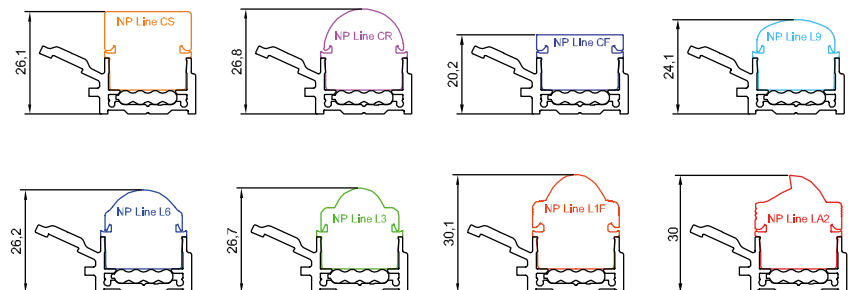
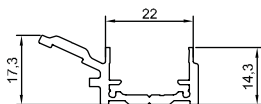
NP-S1



NP-S2



NP-S3



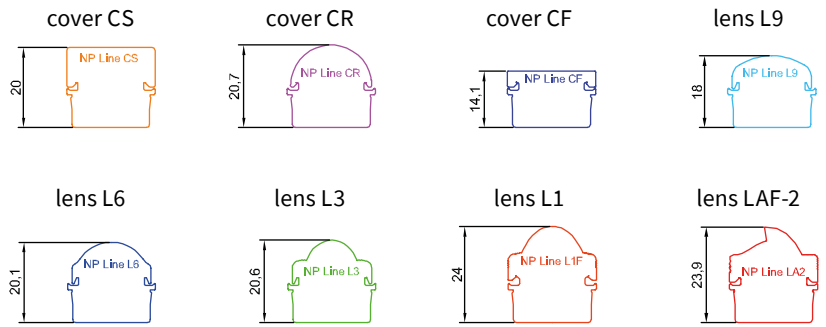
Übersicht Abmessungen und Einbaumaße

Overview dimensions and installation dimensions

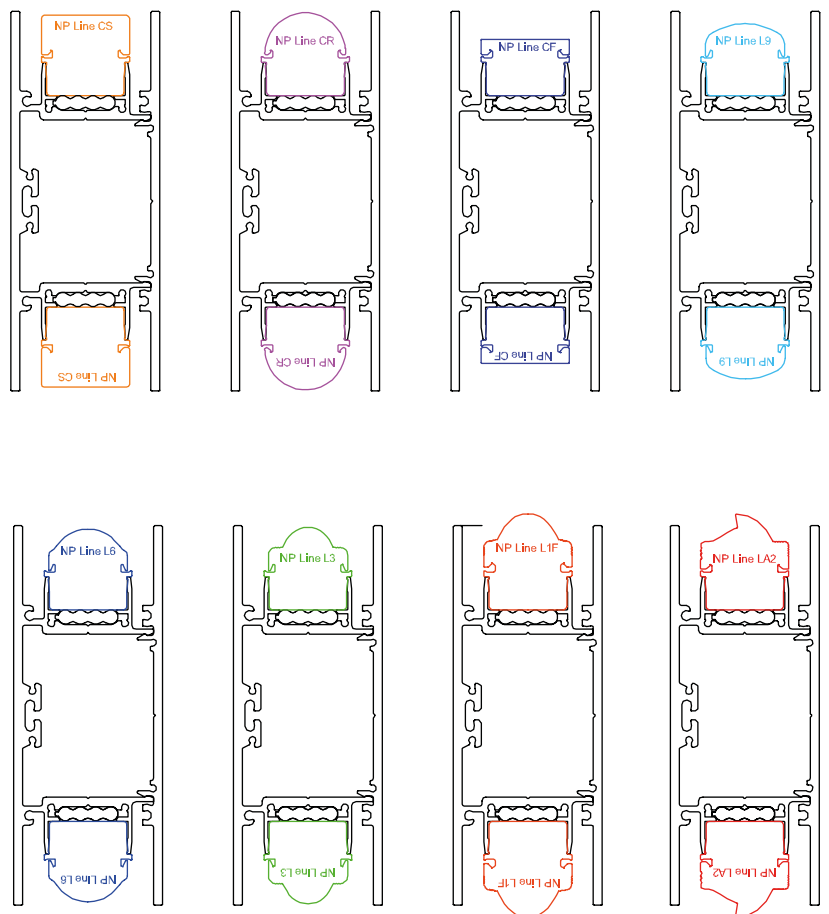
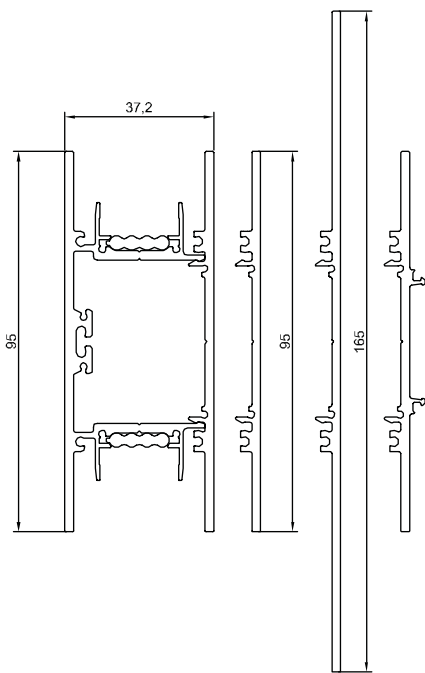
covers and lenses ▶



NP mounting profiles ▼



NP-H1/H2/H3



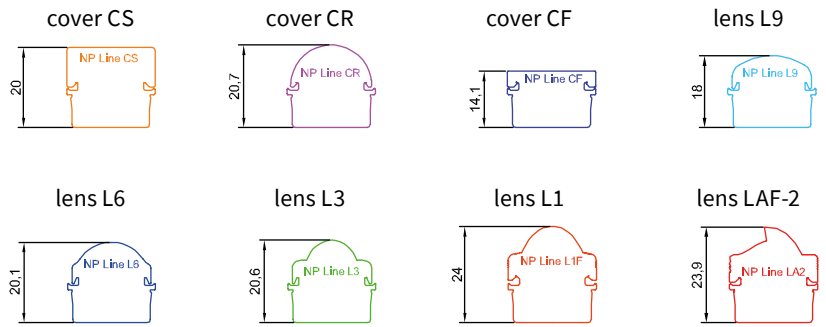
Übersicht Abmessungen und Einbaumaße

Overview dimensions and installation dimensions

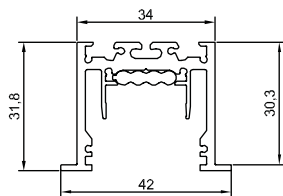
covers and lenses ▶



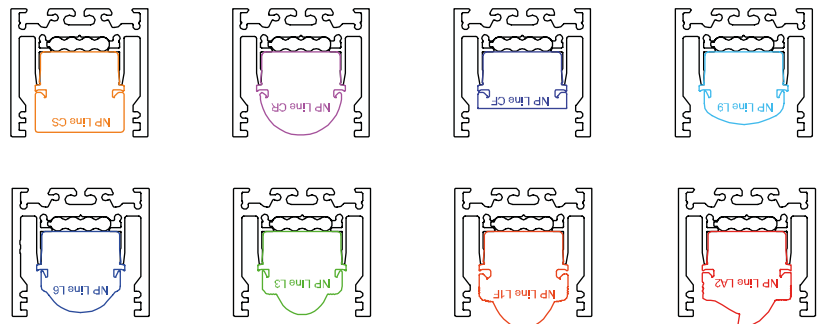
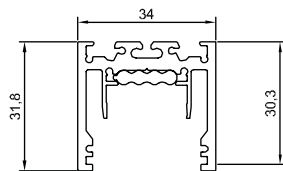
NP mounting profiles ▼



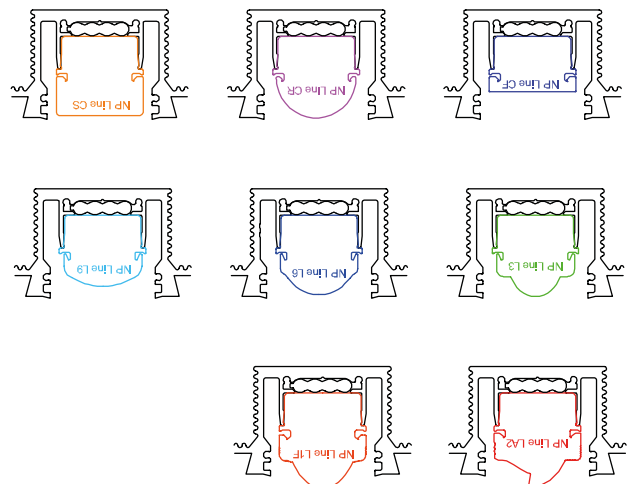
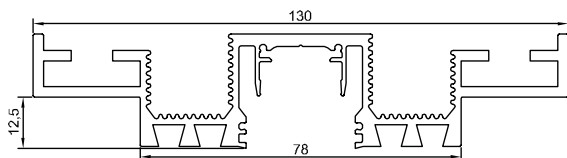
NP-R1



NP-R2



NP-R3



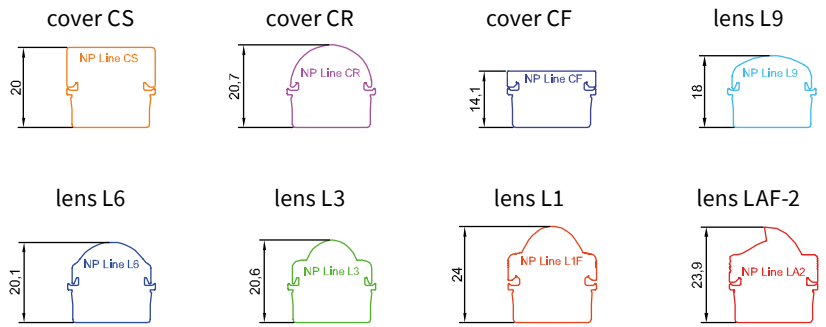
Übersicht Abmessungen und Einbaumaße

Overview dimensions and installation dimensions

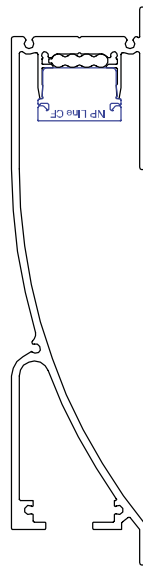
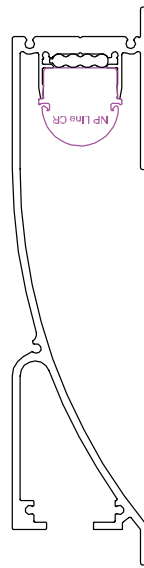
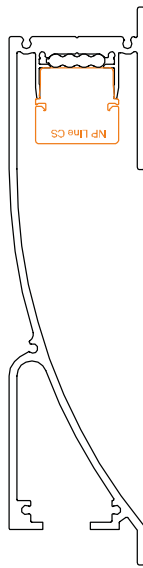
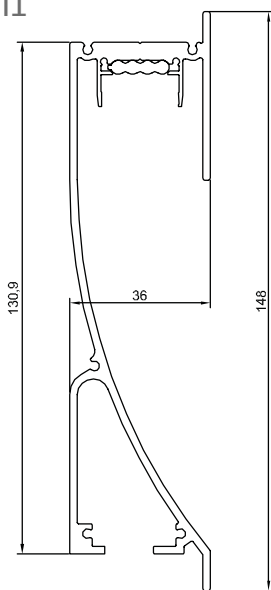
covers and lenses →



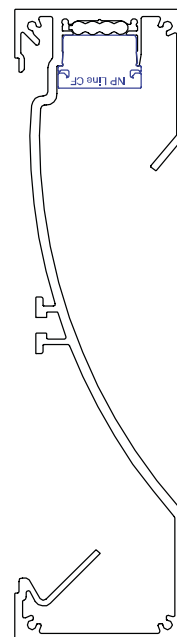
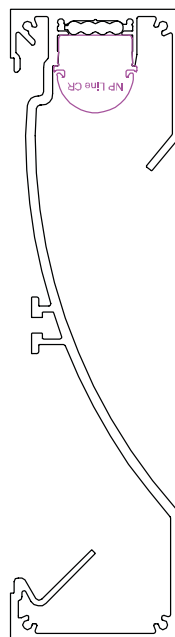
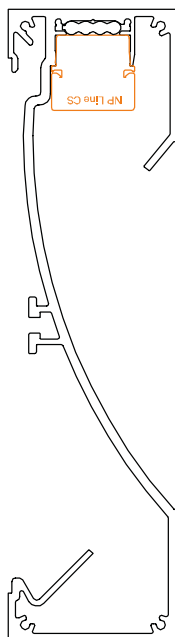
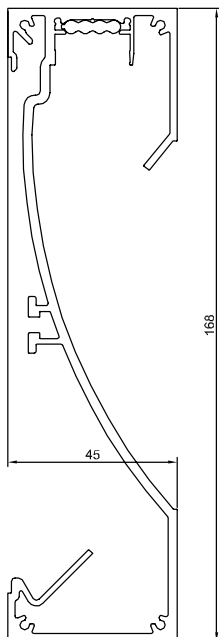
NP mounting profiles ↓



NP-I1



NP-I2



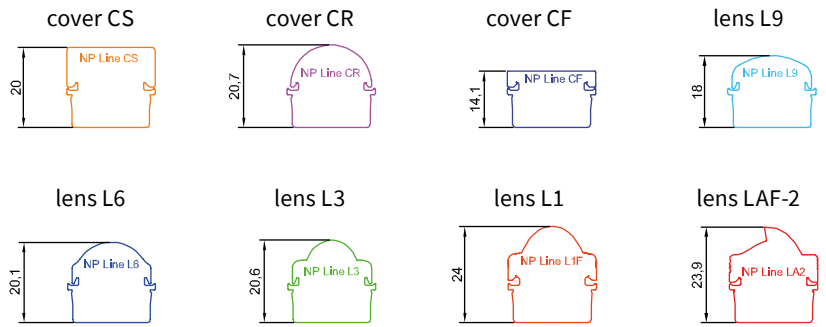
Übersicht Abmessungen und Einbaumaße

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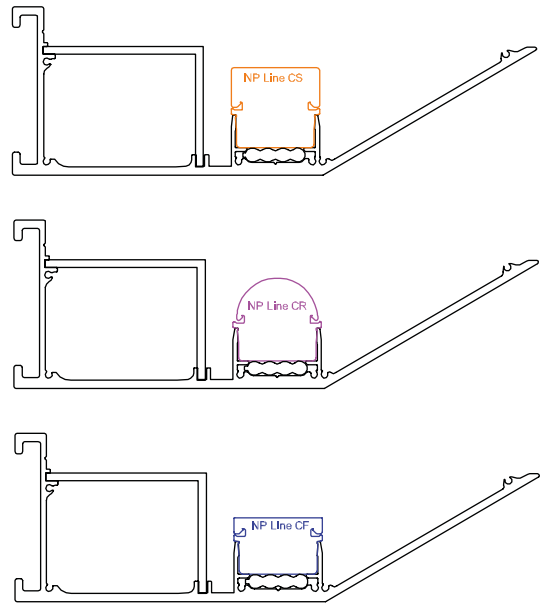
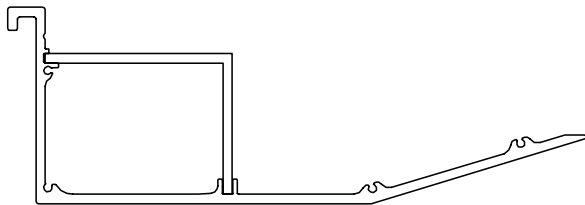
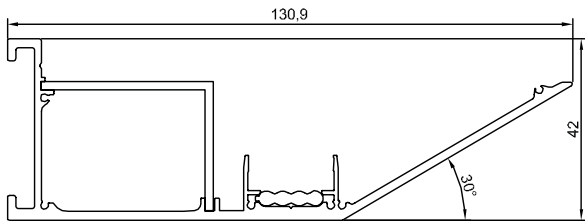
covers and lenses ▶



NP mounting profiles ▼



NP-W1/W2

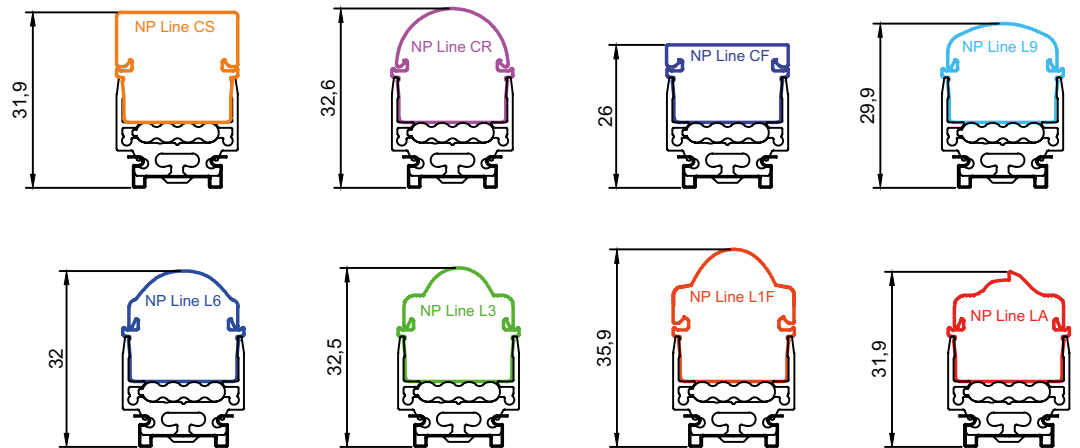


Übersicht Abmessungen und Einbaumaße NP-S2 mit Montageclips

Overview dimensions and installation dimensions NP-S2 with mounting clips

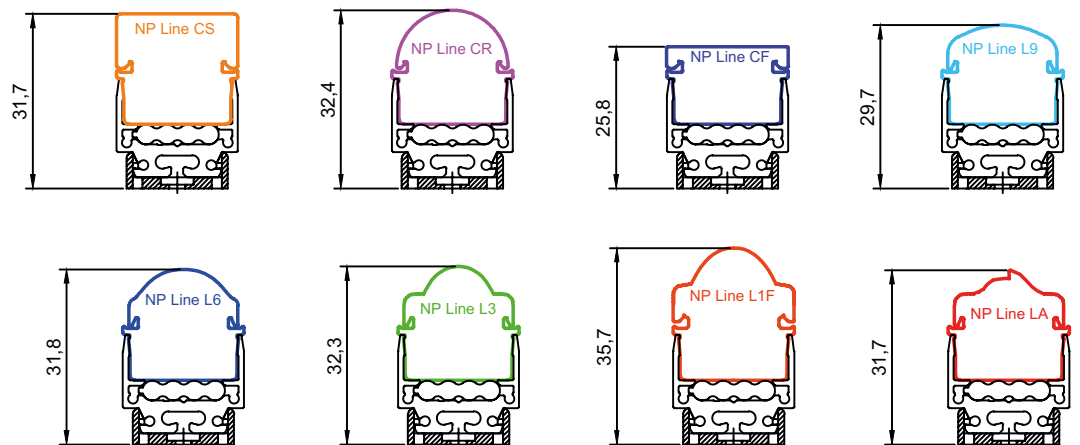
FL/SCLIP-0/0

Federclip 0°
spring clip 0°



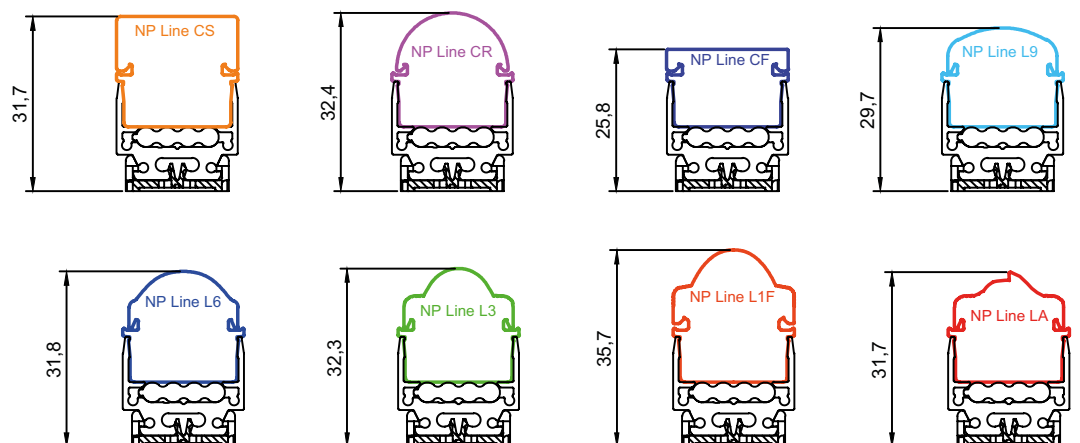
FL/CLIP-0/0

Montageclip 0°, ohne Zapfen gegen Gleiten
mounting clip 0°, without stud to prevent sliding



FL/CLIP-1/0

Montageclip 0°, mit Zapfen gegen Gleiten
mounting clip 0°, with stud to prevent sliding

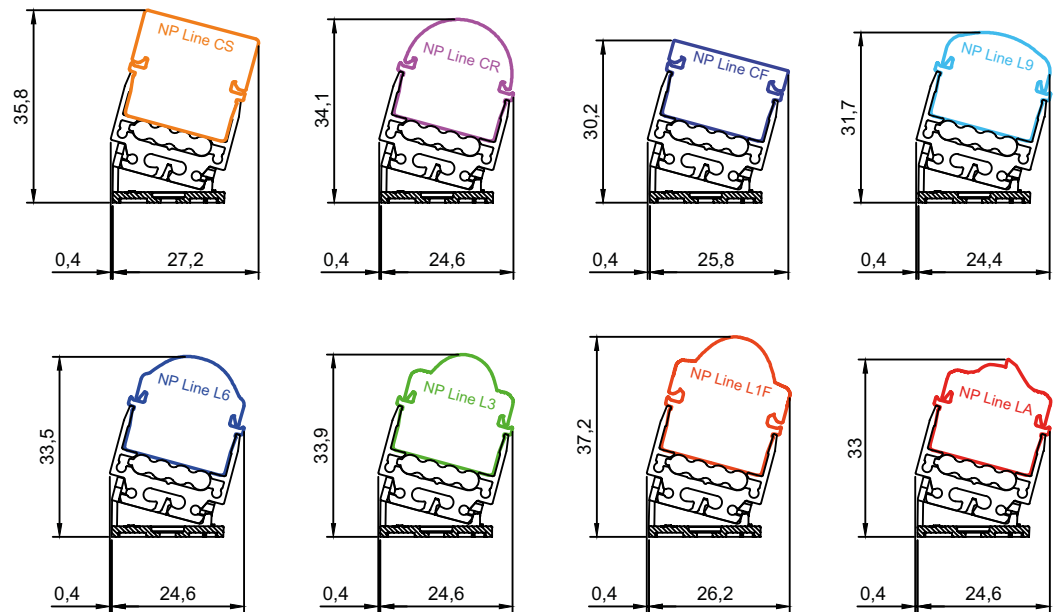


Übersicht Abmessungen und Einbaumaße NP-S2 mit Montageclips

Overview dimensions and installation dimensions NP-S2 with mounting clips

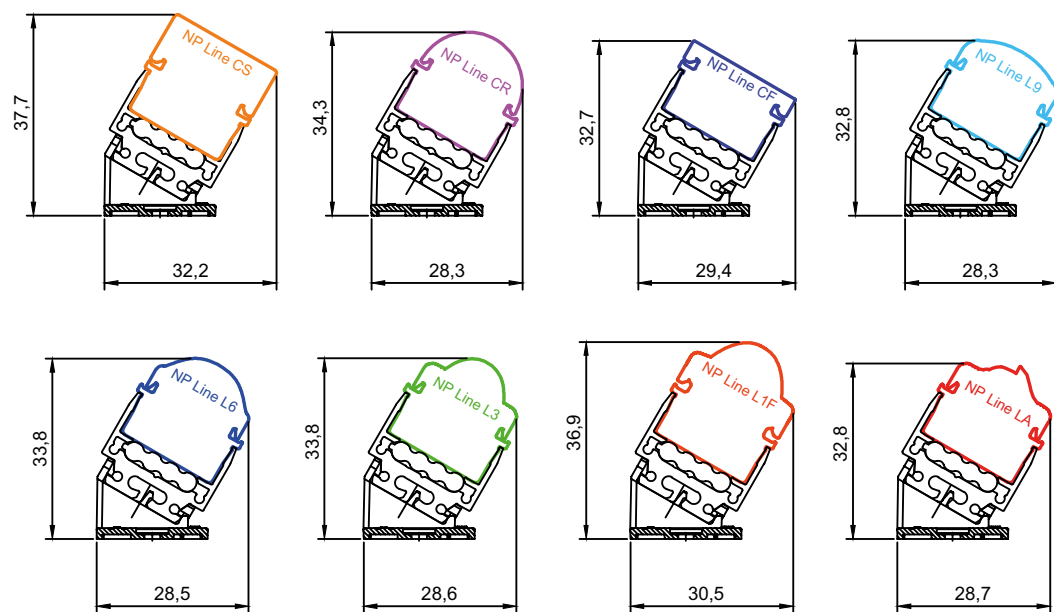
FL/CLIP-1/15

Montageclip 15°, mit Zapfen gegen Gleiten
 mounting clip 15°, with stud to prevent sliding



FL/CLIP-1/30

Montageclip 30°, mit Zapfen gegen Gleiten
 mounting clip 30°, with stud to prevent sliding

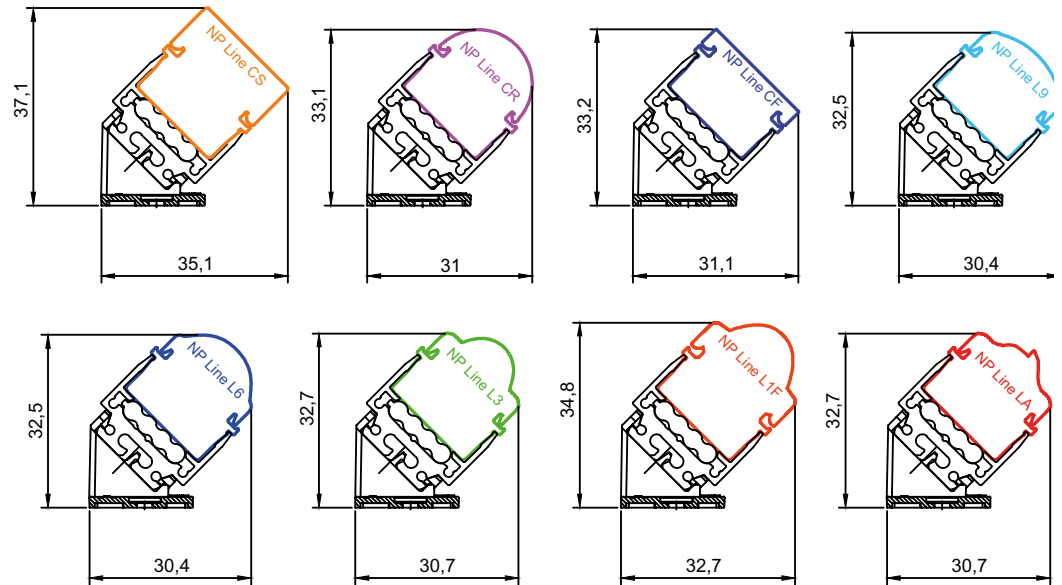


Übersicht Abmessungen und Einbaumaße NP-S2 mit Montageclips

Overview dimensions and installation dimensions NP-S2 with mounting clips

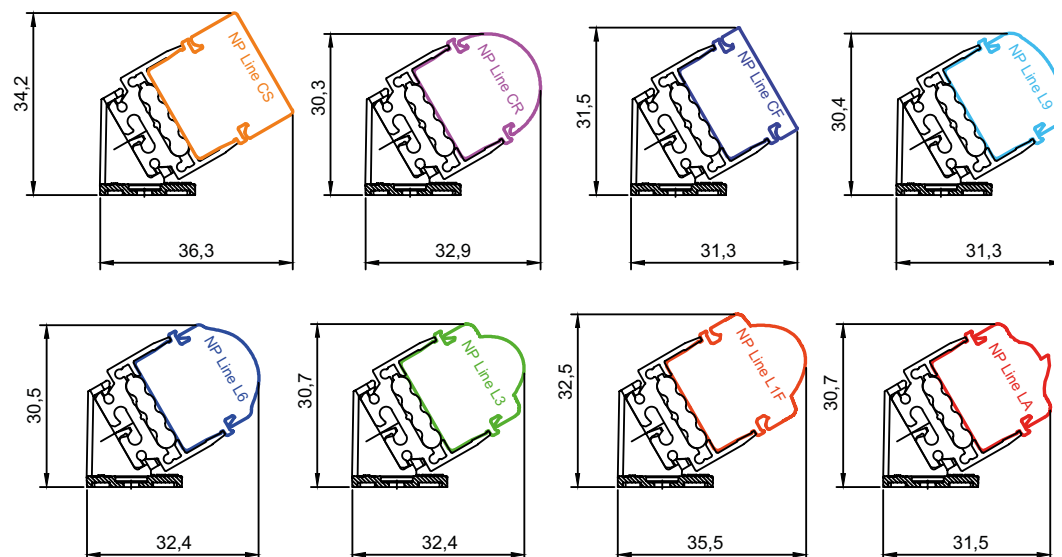
FL/CLIP-1/45

Montageclip 45°, mit Zapfen gegen Gleiten
 mounting clip 45°, with stud to prevent sliding



FL/CLIP-1/60

Montageclip 60°, mit Zapfen gegen Gleiten
 mounting clip 60°, with stud to prevent sliding





Allgemeine Geschäftsbedingungen

General Terms and Conditions of Business

Unsere Allgemeinen Geschäftsbedingungen sind auf unseren Internet-Seiten unter folgender Adresse zu finden:
<https://flashaar.de/de/agb.php>

Our general terms and conditions of business can be found on our website at the following address:
<https://flashaar.de/de/agb.php>

Bestellinformationen

Delivery Information

Erforderliche Angaben auf Ihrer Bestellung

- Produktname
- Vollständige Artikelnummer (inklusive den zu ergänzenden Angaben z. B. Lichtfarbe, Cover- oder Linsentyp usw.)
- gewünschte Lieferzeit
- Lieferadresse

Information required on your order

- product name
- complete item number (including specification codes e.g. light colour, cover or lens type etc.)
- required delivery period
- delivery address

Bestelladresse

FLASHAAR LEDLight GmbH & Co. KG
Gaustraße 13 –15
55411 Bingen am Rhein
Deutschland
FON +49 6721 9195-0
FAX +49 6721 9195-91
bestellung@ledlight.flashaar.com
<https://flashaar.de>

Ordering address

FLASHAAR LEDLight GmbH & Co. KG
Gaustraße 13 –15
55411 Bingen am Rhein
Germany
FON +49 6721 9195-0
FAX +49 6721 9195-91
order@ledlight.flashaar.com
<https://flashaar.de>

Versandkosten

Wir berechnen Ihnen ausschließlich die tatsächlich angefallenen Versandkosten. Je nach Auftragswert und Quantität fallen zusätzliche Verpackungskosten an.

Indicative value of shipping costs

Please note, we charge you only the actual delivery costs. Additional handling charges may be applied depending on order value and quantity.

Ausgabe

Edition

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Druckfehler, Irrtum und technische Änderungen sind vorbehalten.

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