TOP 100
Top-Innovator 2021

FLASHAAR

NP Pegasus-5

DATENBLATT
DATASHEET

FLASHAAR® – Wir machen Licht.

MADE IN **GERMANY**

FLASHAAR® – We create light.

16 m per feed-in | 2200 lm/m* | CRI > 90 | 2200 K - 6500 K

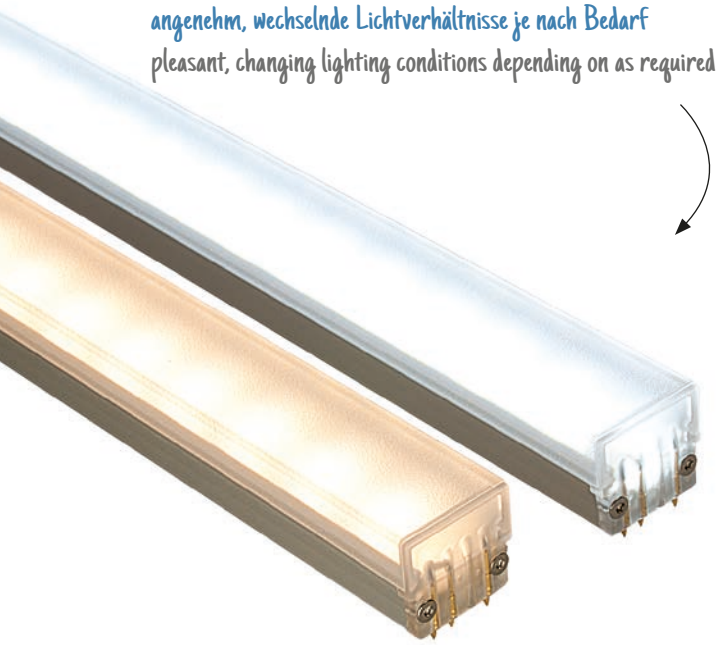
NauticProfil® Pegasus-5

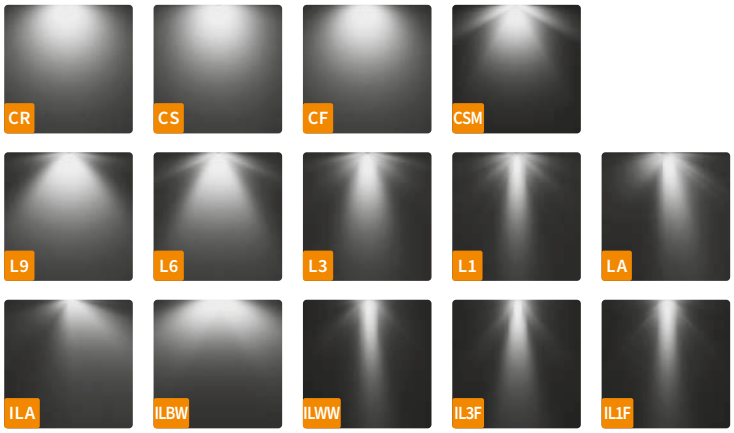
„Biodynamisches“ Licht dank frei wählbarer Farbtemperatur.
Biodynamic“ light thanks to freely selectable colour temperature

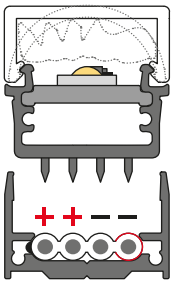
Unser **NauticProfil® Pegasus-5** ermöglicht leistungsstarke lineare Beleuchtungen mit einstellbarer Farbtemperatur. Zur Verfügung stehen zwei Farbtemperaturen pro LEDLinie. Standard sind 2700 K + 6500 K. Andere Varianten auf Anfrage.
Von warmweißen 2200 K bis hin zu kaltweißen 6500 K lassen sich Lichtanwendungen, die den Tageslichtverlauf nachbilden und damit dem natürlichen Biorhythmus entsprechen, optimal umsetzen. 2200lm/m* sorgen für eine helle Grundbeleuchtung oder auch ein warmes Wohlfühlambiente in Restaurants, Hotels, Krankenhäusern, Büros, Verwaltungen oder Privatwohnungen.

Our **NauticProfil® Pegasus-5** enables po-werful linear lighting with adjustable colour temperature. Two colour temperatures are available for each LED line. The standard colours are 2700 K + 6500 K. Other variants on request.
From warm white 2200 K to cool white 6500 K, lighting applicati-ons that reproduce the course of daylight and thus correspond to the natural biorhythm can be optimally implemented. 2200 lm/m* provides bright ambient lighting or a warm feel-good ambience in restaurants, hotels, hospitals, o“ices, administrations as well as private residences.

angenehm, wechselnde Lichtverhältnisse je nach Bedarf
pleasant, changing lighting conditions depending on as required







48V DC · g/m 300 · -20 +35 · IP40 — characteristics

PWM dimmable — dimming

IP65 · IP65 PREMIUM · IK10 · RAL optional — optional

mounting

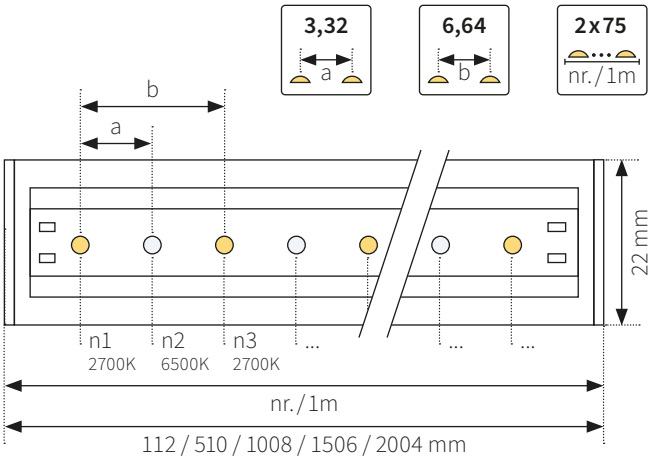
* Alle Angaben zum Lumenstrom beziehen sich auf das Leuchtmittel. In Kombination mit Cover / Linsen kommt es zu material-bedingtem Lichtverlust.
All information about the luminous flux refers to the light source. In combination with covers / lenses it comes to material-related light loss

Bestellnummer
item number

NP/L2C/G1/09E / L2C/G1/ 112 / G1/ ALA / 927/965 / CR W

Technische Daten
technical data

nominal voltage:	**48 V DC** (Range: 44,25 to 49,5 V DC)
nominal wattage:	**20 W/m** CH1 (2700 K)
	20 W/m CH2 (6500 K) (standard)
photometric code:	927 / 339 + 965 / 339; **CRI typ. 92 + 92**
luminous efficiency [typ]:	**112 lm/W** (2700 K), **126 lm/W** (6500 K)
LED service life:	L90/B10 > 100 000 h
dimmable:	pulse width modulation (PWM)
length dividing matrix:	100 mm
LED pitch:	2 x 3,32 mm, 2 x 75 LEDs/m
max. length per feed-in:	16 m (2 x 414 W) CH1 + CH2, with a 2 x 16 A PWM dimmer, according to cabling scheme D/PWM/2aa



Alle optischen und elektrischen Daten haben eine Toleranz von +/- 10%.
All optical and electrical data have a tolerance of +/- 10%.

Achtung! Der Betrieb beider Lichtfarben gleichzeitig auf 100 % ist nicht zulässig! Auf ausreichende Kühlung ist zu achten. **Max. 24 W/m Gesamtleistung.**
Attention! Operating both light colours at 100 % at the same time is not permitted! Sufficent cooling must be ensured. **Maximum total output 24 W/m.**

Farbtemperatur und Lumenstrom
colour temperature and luminous flux

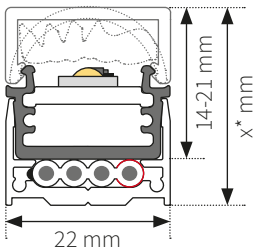
Farbtemperatur colour temperature	**WW 2700 K**	**DL 6500 K**
CRI typ.	92	92
Lumenstrom typ. luminous flux* typ	2264 lm/m	2540 lm/m
	927	**965**

* 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.

Basisprofil
base profile

Das Basisprofil G1 ist mit allen NP Montageprofilen von FLASHAAR® per Plug & Play kombinierbar. Es ist in den Farben Aluminium (ALA) und Schwarz (BA) eloxiert erhältlich.

The base profile G1 can be combined with all NP mounting profiles from FLASHAAR® by Plug & Play. It is available in the colours aluminium (ALA) and black (BA) anodised.



G1 / ALA (Standard)
G1 / BA

*Leuchtenhöhe abhängig vom Montageprofil (21 - 168 mm)
*Luminaire hight depending on mounting profile (21 - 168 mm)

Übersicht Standardlängen & Wattagen
overview standard lengths & wattages

IP40, IP65, IP65 Premium		
product-nr.	**L (mm)***	**Watt** 2700+6500 K**
NP/L2C/G1/09E/L2C/G1/0112/###/###	**112**	2,24 | 2,24
NP/L2C/G1/09E/L2C/G1/0510/###/###	**510**	10,20 | 10,20
NP/L2C/G1/09E/L2C/G1/1008/###/###	**1008**	20,16 | 20,16

IP40		
product-nr.	**L (mm)***	**Watt** 2700+6500 K**
NP/L2C/G1/09E/L2C/G1/1506/###/###	**1506**	30,12 | 30,12
NP/L2C/G1/09E/L2C/G1/2004/###/###	**2004**	40,08 | 40,08

***Achtung!** Bei Leuchten der Länge > 1m werden, wegen der hohen Leistung, Piercing-Kontakte (PIN) in beiden Endkappen verbaut. **Leistungsangaben +/- 10%
Im Außenbereich (IP65 und IP65 Premium) ist maximal ein Leuchteneinsatz in der Länge von 112 mm bis 1008 mm realisierbar.
***Attention!** For luminaires of length > 1m, piercing contacts (PIN) are installed in both end caps due to the high power.** performance data +/- 10%
In outdoor areas (IP65 and IP65 Premium), a maximum of one luminaire insert can be realised in lengths from 112 mm to 1008 mm.

2700 K – Lichtverteilungskurven mit verschiedenen Abdeckungen NP/L2C/G1/09E

2700 K – light distribution curves with di?erent covers NP/L2C/G1/09E

IP40

cover	T transparent	F frosted	W white	G grey	M microprismatic
cover round 120° 120° CR	2126 lm/m	2006 lm/m	854 lm/m		
cover square 120° 120° CS	2048 lm/m	1888 lm/m	1032 lm/m	880 lm/m	1636 lm/m
cover flat 120° 120° CF	1982 lm/m	1794 lm/m	972 lm/m		

2700 K – Lichtverteilungskurven mit verschiedenen Linsen/Einschublinsen NP/L2C/G1/09E

2700 K – light distribution curves with different lenses/insert lenses NP/L2C/G1/09E

IP40

lenses	T transparent	F frosted
lens 90° 90° L9	2076 lm/m	2010 lm/m
lens 60° 60° L6	2130 lm/m	2010 lm/m
lens 30° 30° L3	2178 lm/m	1952 lm/m
lens 15° 15° L1		1954 lm/m
lens LAF-2 asymmetric 5° 10° LA		1936 lm/m

lenses	T transparent IP40	F frosted IP65 PREMIUM
insert lens Batwing 120° ILBW CS	1284 lm/m	
insert lens Wallwasher asymmetric 15° ILWW CS	1472 lm/m	
insert lens 30° 30° IL3F CS	1604 lm/m	
insert lens 15° 15° IL1F CS	1484 lm/m	
insert lens ILAF asymmetric 60° ILA CS		1374 lm/m

Alle Werte in der Tabelle gemessen bei 2700 K. Messwerte unterliegen den typischen Toleranzen. Andere Konfigurationen erhalten Sie auf Anfrage. Alle lichttechnischen Daten – vermessen im FLASHAAR® Lichtlabor – finden Sie unter flashaar.de im Download-Bereich. Alle optischen und elektrischen Daten haben eine Toleranz von +/- 10%.
All values in the table measured at 2700 K. Measured values are subject to the typical tolerances. Other configurations are available on request. All photometric data – measured in FLASHAAR's light laboratory – available at flashaar.de/en in the download area. All optical and electrical data have a tolerance of +/- 10%.
Messdaten für IP65 / IP65 Premium auf Anfrage. Measurement data for IP65 / IP65 Premium on request.

6500 K – Lichtverteilungskurven mit verschiedenen Abdeckungen NP/L2C/G1/09E

6500 K – light distribution curves with di?erent covers NP/L2C/G1/09E

IP40

cover	T transparent	F frosted	W white	G grey	M microprismatic
cover round 120° 120° CR	2386 lm/m	2250 lm/m	1000 lm/m		
cover square 120° 120° CS	2302 lm/m	2114 lm/m	1144 lm/m	984 lm/m	1842 lm/m
cover flat 120° 120° CF	2222 lm/m	2008 lm/m	1080 lm/m		

6500 K – Lichtverteilungskurven mit verschiedenen Linsen/Einschublinsen NP/L2C/G1/09E

6500 K – light distribution curves with different lenses/insert lenses NP/L2C/G1/09E

IP40

lenses	T transparent	F frosted
lens 90° 90° L9	2332 lm/m	2332 lm/m
lens 60° 60° L6	2394 lm/m	2254 lm/m
lens 30° 30° L3	2434 lm/m	2152 lm/m
lens 15° 15° L1		2198 lm/m
lens LAF-2 asymmetric 5° 10° LA		2178 lm/m

lenses	T transparent IP40	F frosted IP65 PREMIUM
insert lens Batwing 120° ILBW CS	1436 lm/m	
insert lens Wallwasher asymmetric 15° ILWW CS	1650 lm/m	
insert lens 30° 30° IL3F CS	1782 lm/m	
insert lens 15° 15° IL1F CS	1674 lm/m	
insert lens ILAF asymmetric 60° ILA CS		1556 lm/m

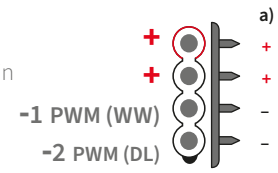
Alle Werte in der Tabelle gemessen bei 2700 K. Messwerte unterliegen den typischen Toleranzen. Andere Konfigurationen erhalten Sie auf Anfrage. Alle lichttechnischen Daten – vermessen im FLASHAAR® Lichtlabor – finden Sie unter flashaar.de im Download-Bereich. Alle optischen und elektrischen Daten haben eine Toleranz von +/- 10%.
All values in the table measured at 2700 K. Measured values are subject to the typical tolerances. Other configurations are available on request. All photometric data – measured in FLASHAAR's light laboratory – available at flashaar.de/en in the download area. All optical and electrical data have a tolerance of +/- 10%.
Messdaten für IP65 / IP65 Premium auf Anfrage. Measurement data for IP65 / IP65 Premium on request.

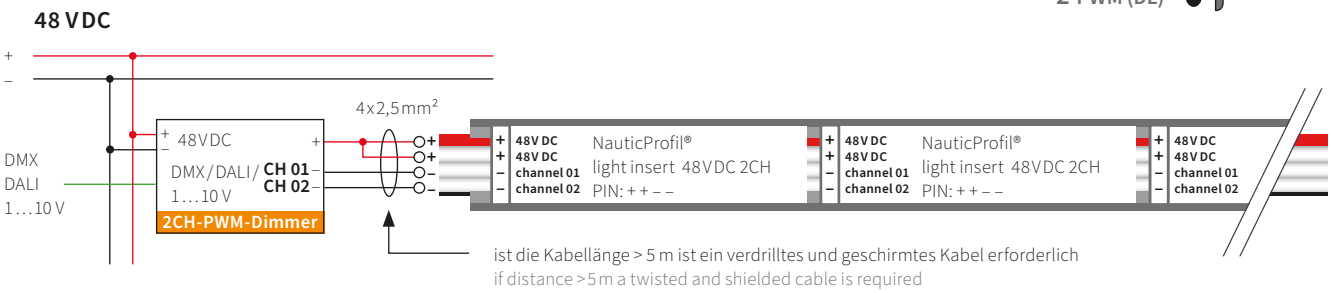
Verdrahtungsschemata
wiring diagrams

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

WD/D/PWM/Pegasus-a (1x2CH)

Dimmbar mittels PMW, System mit 2 Kanälen für NP Pegasus, 48V DC
dimmable by PWM, system with 2 channels for NP Pegasus, 48 V DC
max. **16 m** (2 x 414 W) pro Einspeisung / max. **16 m** (2 x 414 W) per feed in



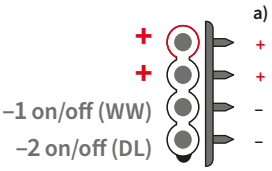


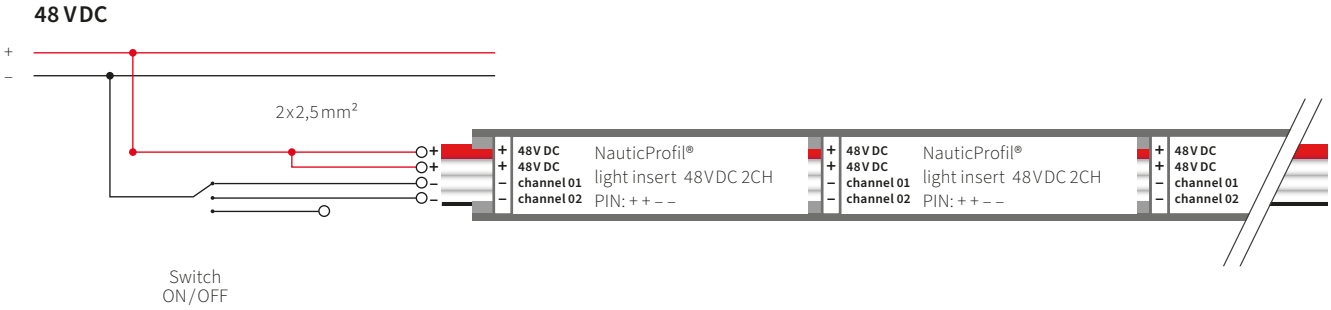
ist die Kabellänge > 5 m ist ein verdrilltes und geschirmtes Kabel erforderlich
if distance > 5 m a twisted and shielded cable is required

Achtung! Bitte beachten! Mit dem DALI DT6 16 A Dimmer ist entweder der Betrieb beider Kanäle mit 50% Leistung oder alternativ der Betrieb eines Kanals mit 100 % Leistung erlaubt!
Attention! Please note: When operating with a DALI DT6 16 A dimmer, only the operation of both channels at 50% or alternatively the operation of one channel with 100 % power is allowed!

WD/S/1a/Pegasus (1x2CH)

Schaltbar, System mit 2 Kanälen für NP Pegasus, 48V DC
(z.B. abstimmbares Weiß)
to switch ON/OFF, system with 2 channels for NP Pegasus, 48 V DC
(e.g. tunable white)
max. **16 m** (2 x 414 W) pro Einspeisung / max. **16 m** (2 x 414 W) per feed in





Achtung! Der Betrieb beider Lichtfarben gleichzeitig auf 100 % ist nicht zulässig! Auf ausreichende Kühlung ist zu achten. Max. 24 W/m Gesamtleistung.
Attention! Operating both light colours at 100 % at the same time is not permitted! Su“icent cooling must be ensured. Maximum total output 24 W/m

* Standard PIN-Belegung ist + – – + (WD/D/PWM/1a) / Weitere Verdrahtungsschemata in unserem aktuellen Katalog.
standard pin layout is + – – + (WD/D/PWM/1a) / Further Cabling Scheme in our current catalogue.

Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

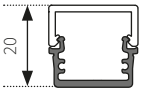
overview dimensions and installation dimensions with base profile G1

covers and lenses ►

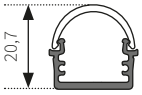
NP mounting profiles

▼

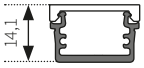
cover CS / CM / ILAF



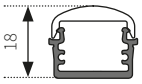
cover CR



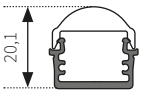
cover CF



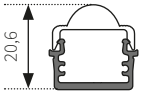
lens L9



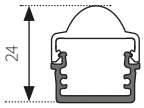
lens L6



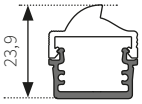
lens L3



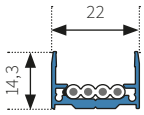
lens L1

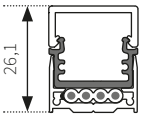


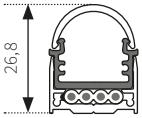
lens LAF-2

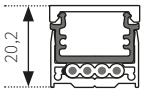


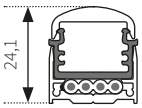
NP-S1

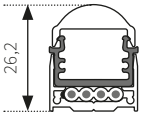


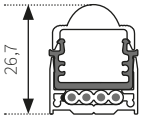


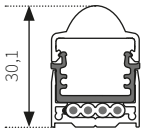


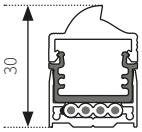




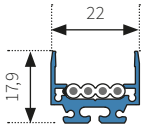


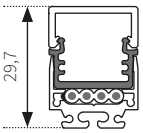


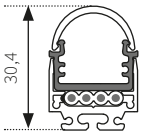


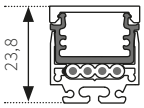


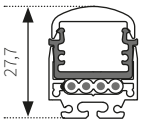
NP-S2

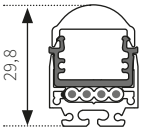


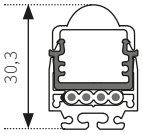


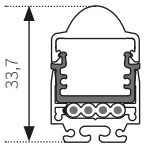


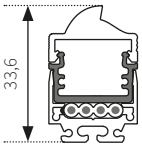




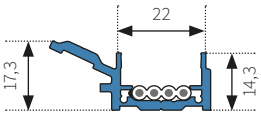


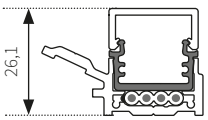


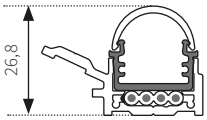


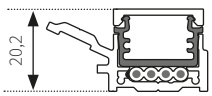


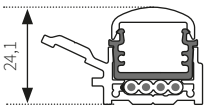
NP-S3

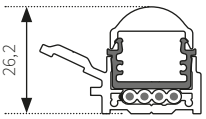


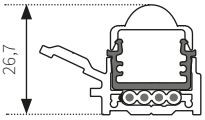


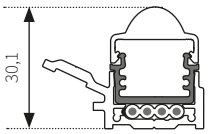


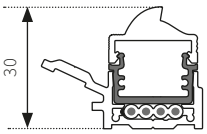












Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

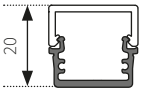
overview dimensions and installation dimensions with base profile G1

covers and lenses ►

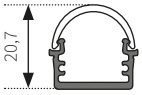
NP mounting profiles

▼

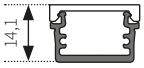
cover CS / CM / ILAF



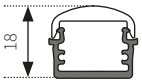
cover CR



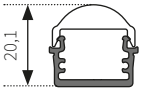
cover CF



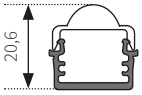
lens L9



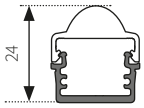
lens L6



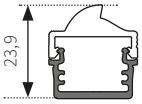
lens L3



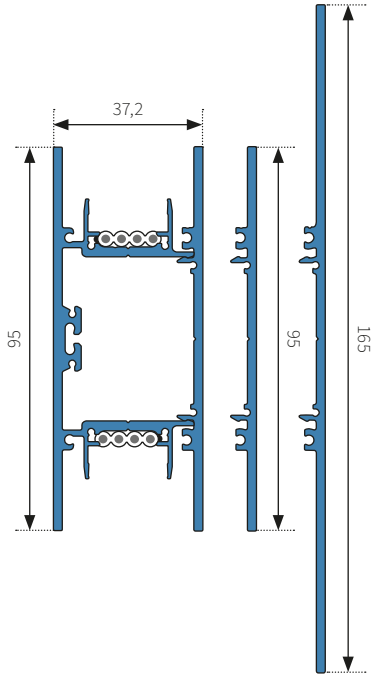
lens L1

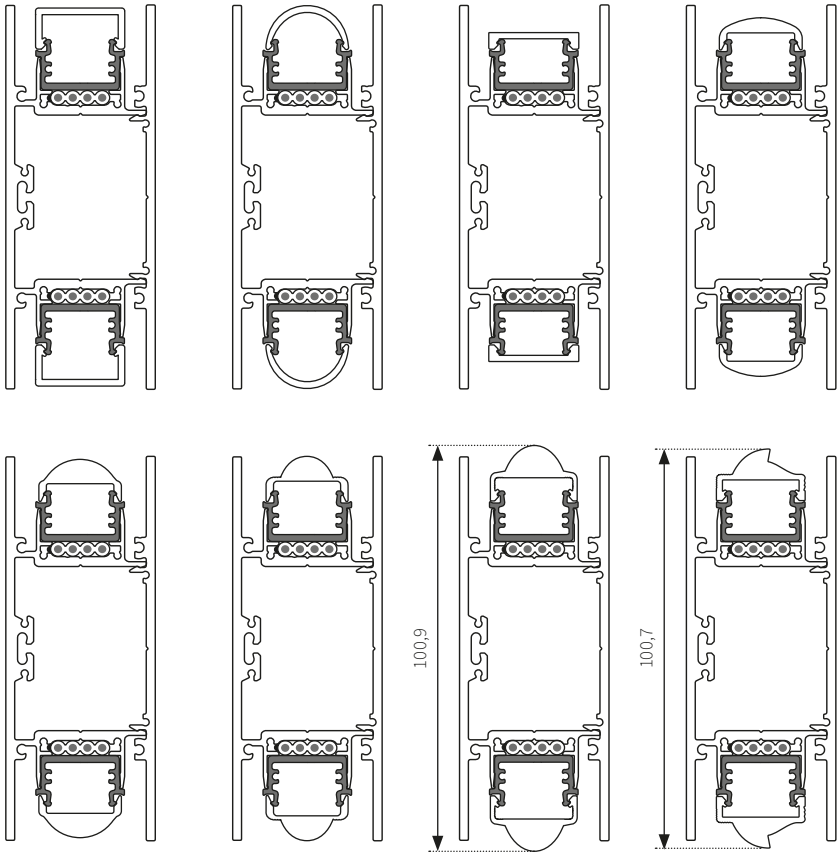


lens LAF-2

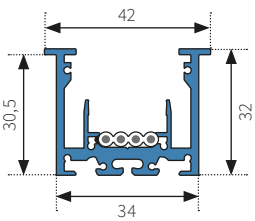


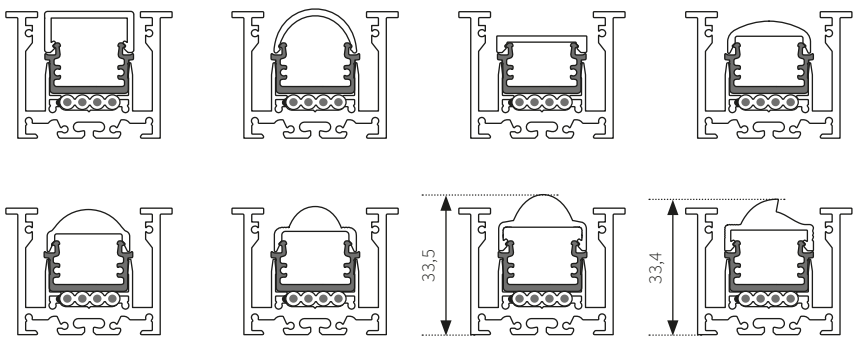
NP-H1 / H2





NP-R1





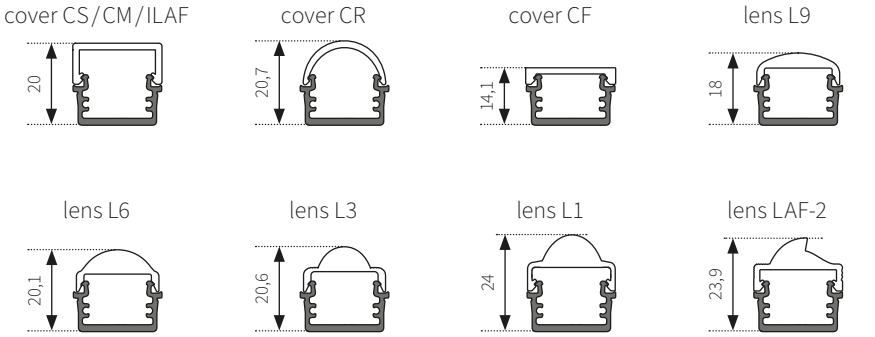
Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

overview dimensions and installation dimensions with base profile G1

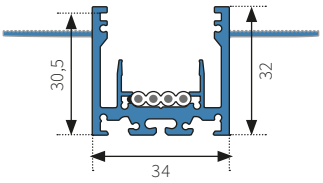
covers and lenses ►

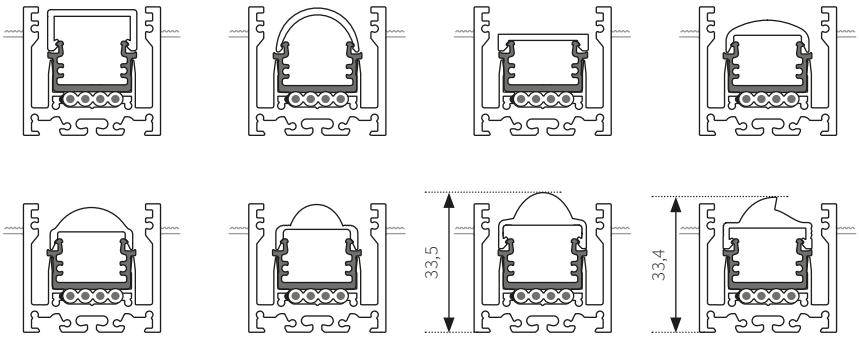
NP mounting profiles

▼

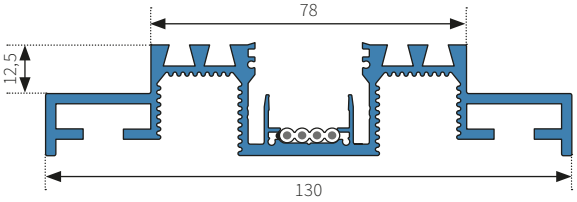


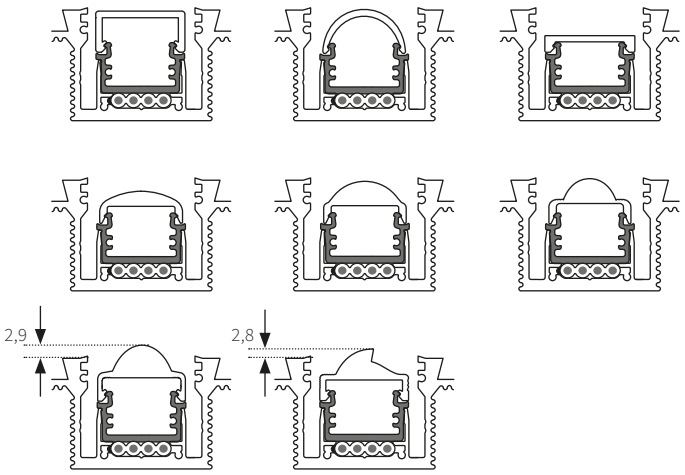
NP-R2 / R4



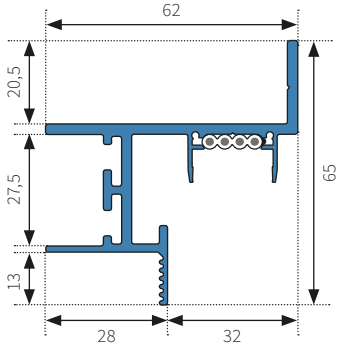


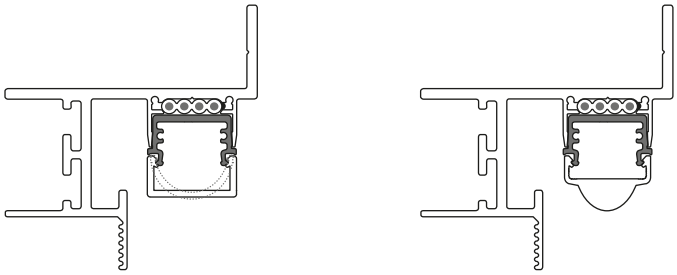
NP-R3





NP-R5





Alle Maßangaben in mm.

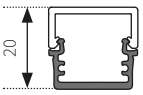
All dimensions in mm

Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

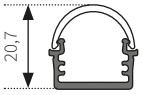
overview dimensions and installation dimensions with base profile G1

covers and lenses ►

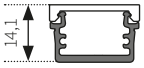
cover CS / CM / ILAF



cover CR



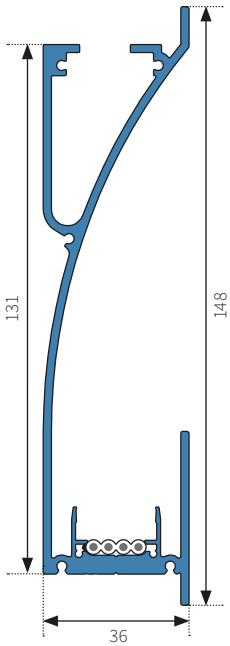
cover CF

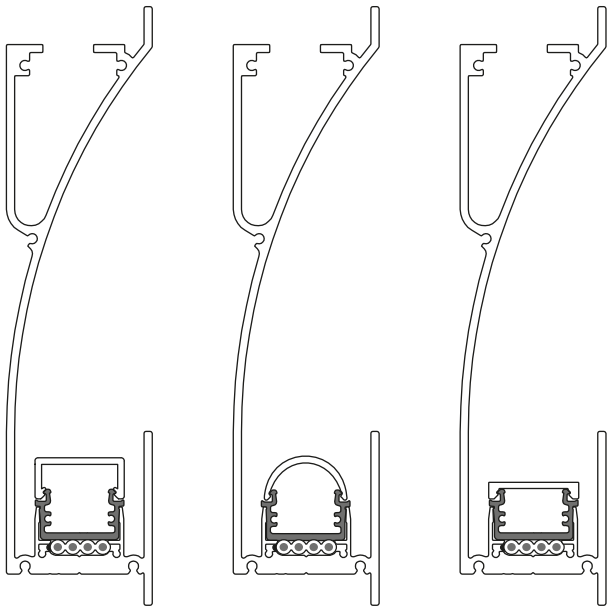


NP mounting profiles

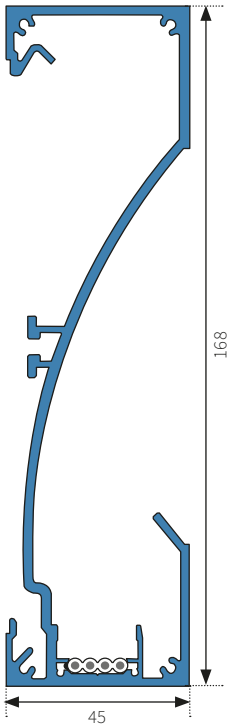
▼

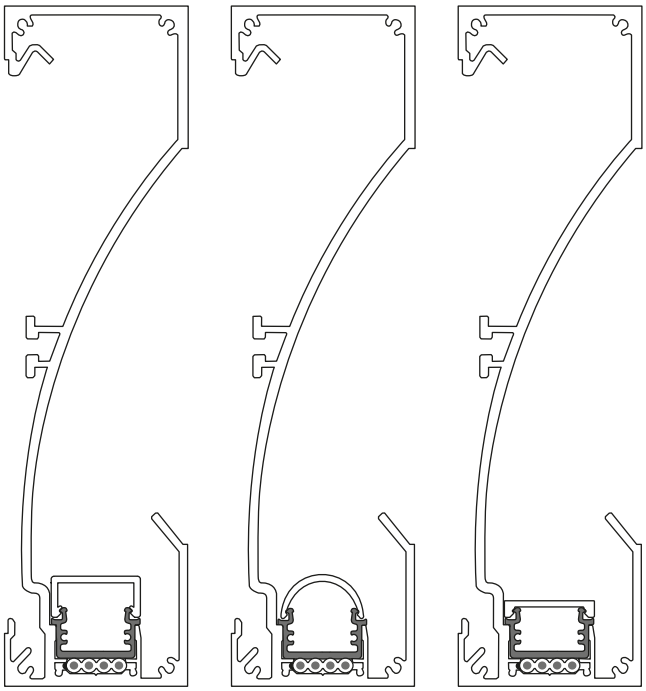
NP-I1





NP-I2





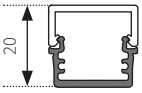
Alle Maßangaben in mm.
All dimensions in mm

Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

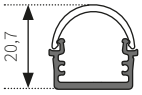
overview dimensions and installation dimensions with base profile G1

covers and lenses ►

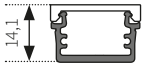
cover CS/CM/ILAF



cover CR



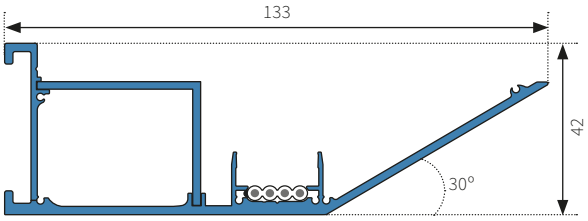
cover CF

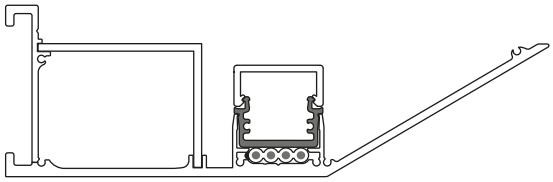


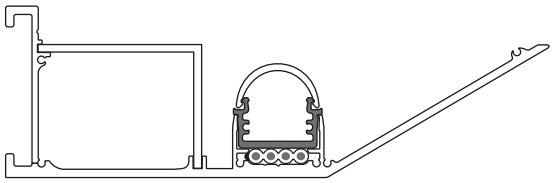
NP mounting profiles

▼

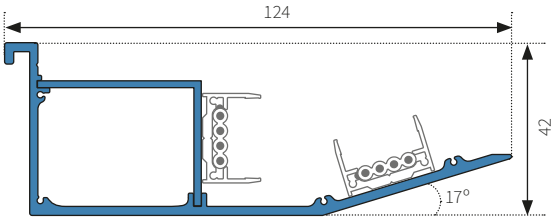
NP-W1

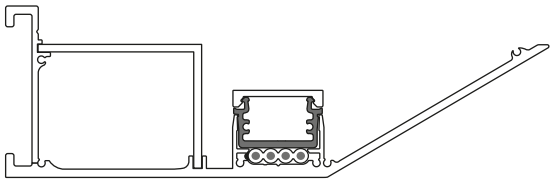






NP-W2





Alle Maßangaben in mm.
All dimensions in mm

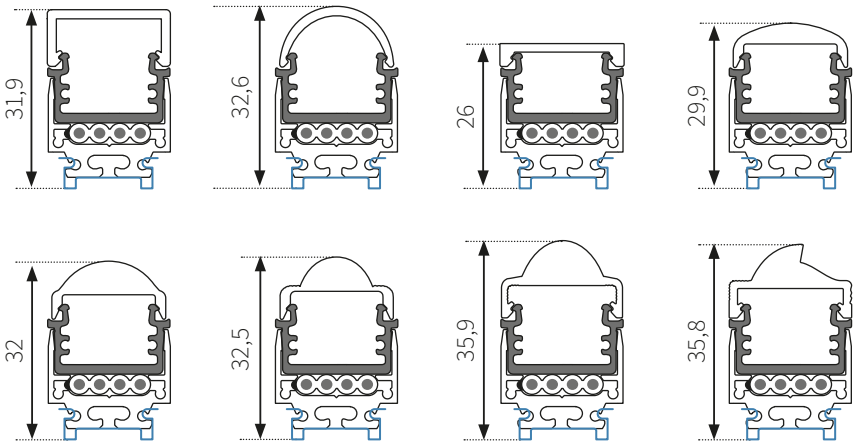
Übersicht Abmessungen und Einbaumaße NP-S2 mit Montageclips mit dem Basisprofil G1

overview dimensions and installation dimensions NP-S2 with mounting clips with base profile G1

FL/SCLIP-0/0

Federclip 0°

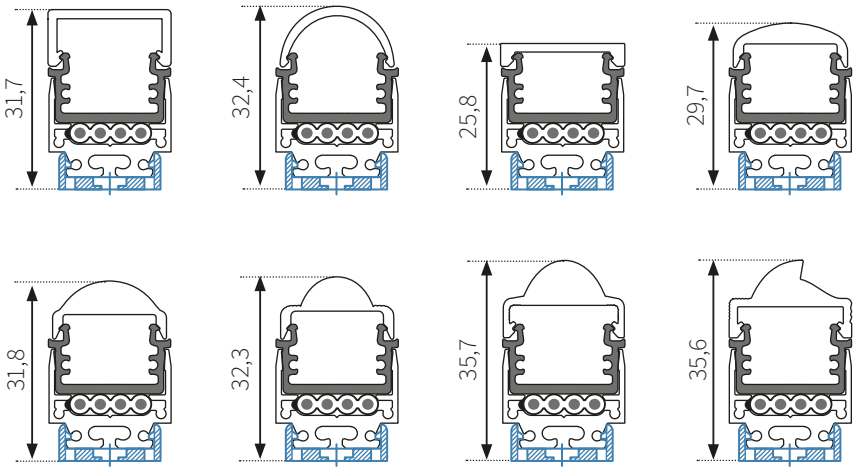
spring clip 0°



FL/CLIP-0/0

Montageclip 0°, ohne Zapfen gegen Gleiten

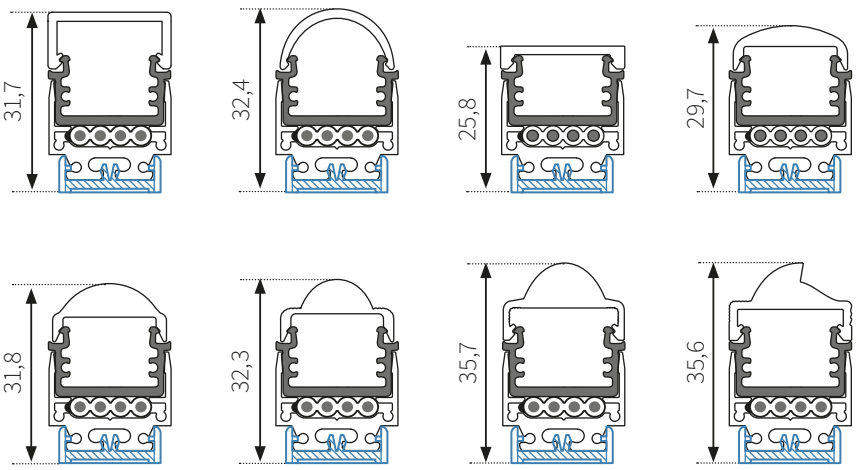
mounting clip 0°, without stud to prevent sliding



FL/CLIP-1/0

Montageclip 0°, mit Zapfen gegen Gleiten

mounting clip 0°, with stud to prevent sliding



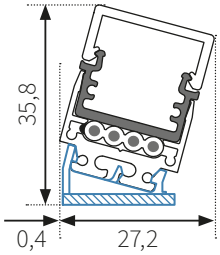
Übersicht Abmessungen und Einbaumaße NP-S2 mit Montageclips mit dem Basisprofil G1

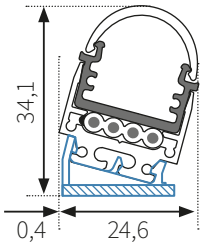
overview dimensions and installation dimensions NP-S2 with mounting clips with base profile G1

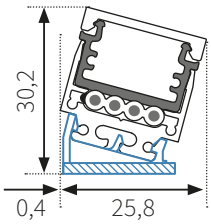
FL/CLIP-1/15

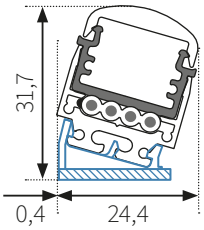
Montageclip 15°, mit Zapfen gegen Gleiten

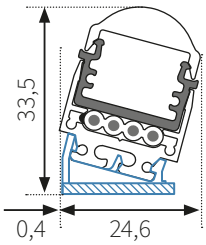
mounting clip 15°, with stud to prevent sliding

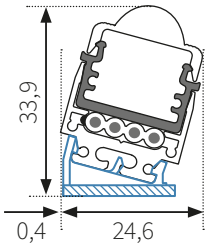


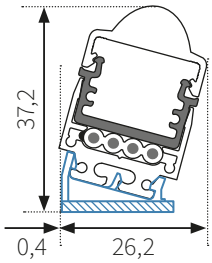


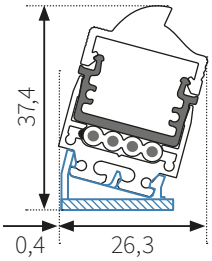








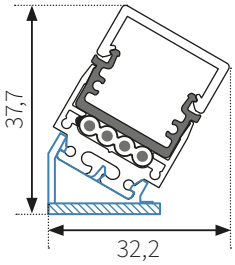


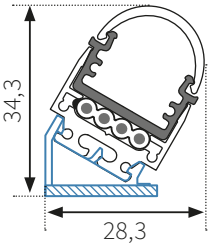


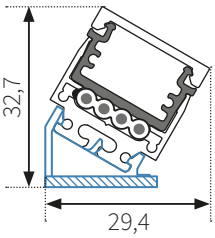
FL/CLIP-1/30

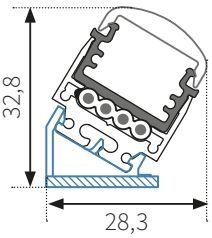
Montageclip 30°, mit Zapfen gegen Gleiten

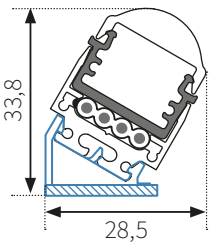
mounting clip 30°, with stud to prevent sliding

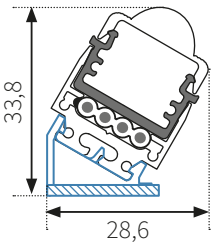


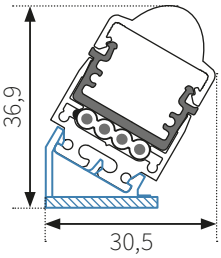


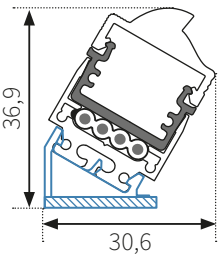












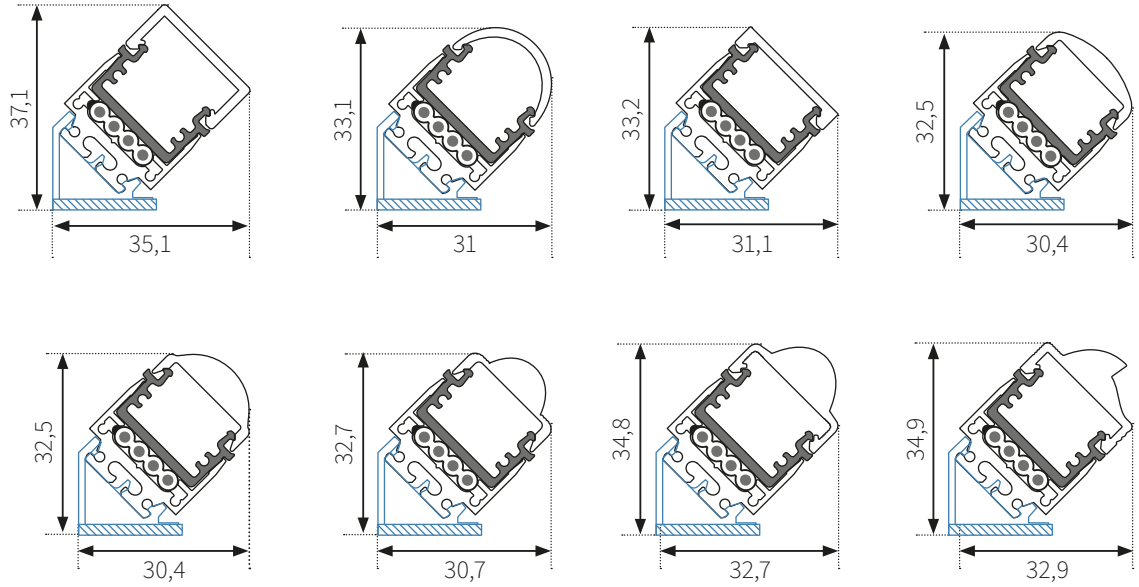
Übersicht Abmessungen und Einbaumaße NP-S2 mit Montageclips mit dem Basisprofil G1

overview dimensions and installation dimensions NP-S2 with mounting clips with base profile G1

FL/CLIP-1/45

Montageclip 45°, mit Zapfen gegen Gleiten

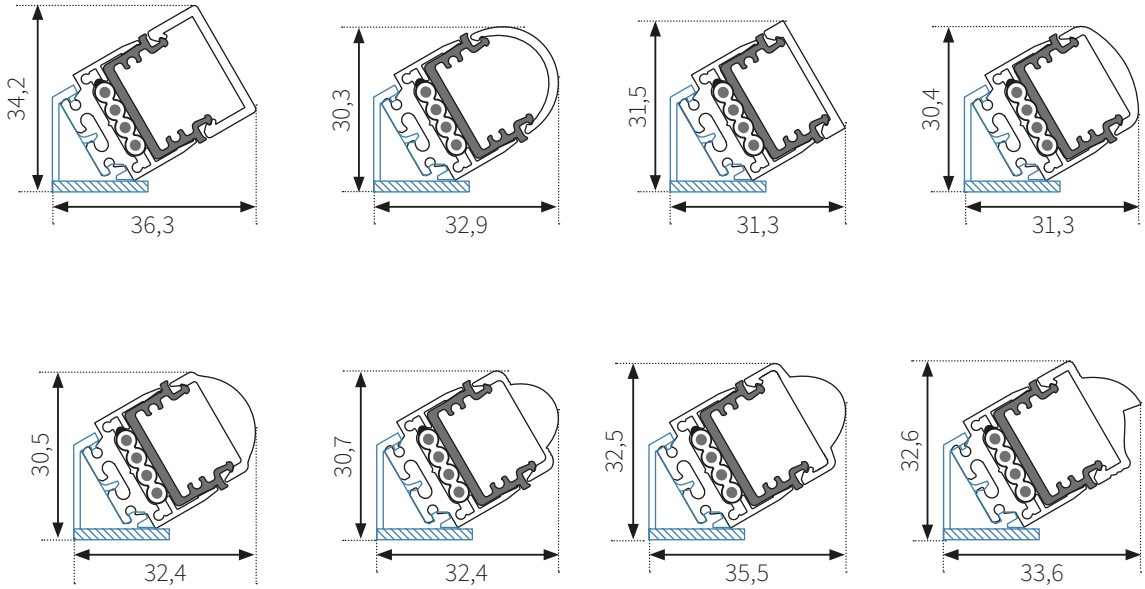
mounting clip 45°, with stud to prevent sliding



FL/CLIP-1/60

Montageclip 60°, mit Zapfen gegen Gleiten

mounting clip 60°, with stud to prevent sliding



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

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

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

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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

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
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