TOP 100
Top-Innovator 2021

FLASHAAR





NP Pegasus-5



DATENBLATT
DATASHEET

FLASHAAR® – Wir machen Licht.
FLASHAAR® – We create light.

MADE IN **GERMANY**



2322 lm/m* | 33 m per feed-in | CRI > 90 | 2200 K - 6500 K

NauticProfil® Pegasus-5

TW

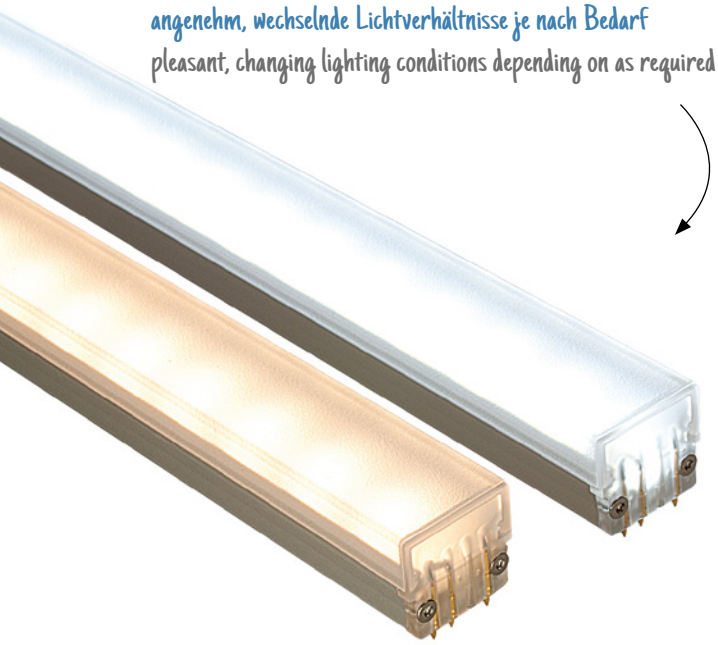
Biodynamisches LED-Licht mit einstellbarer Farbtemperatur für natürliche Beleuchtungskonzepte

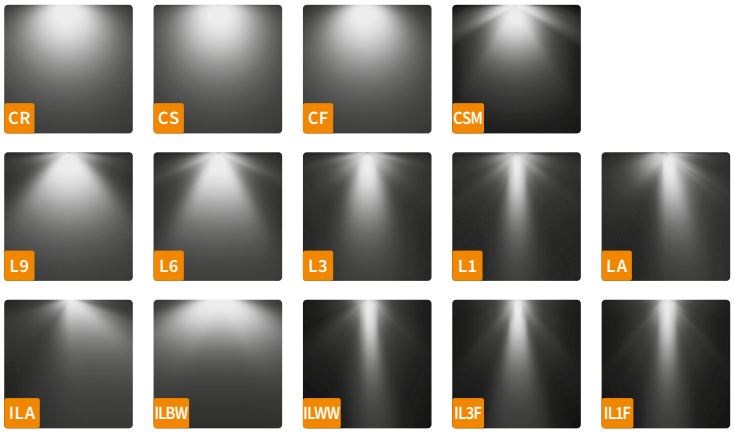
Biodynamic LED lighting with adjustable colour temperature for natural lighting concepts

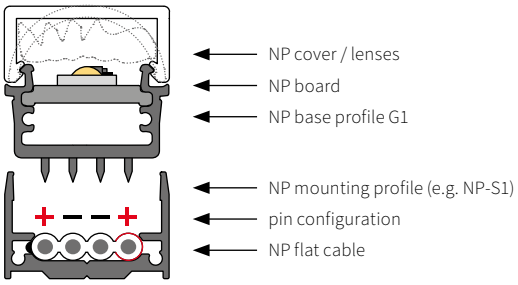
Unser **NauticProfil® Pegasus-5** ermöglicht leistungsstarke, lineare LED-Beleuchtung mit flexibel einstellbarer Farbtemperatur. Jede LED-Linie bietet zwei wählbare Farbtemperaturen – standardmäßig 2700 K (warmweiß) und 6500 K (kaltweiß). Individuelle Lichtfarben sind auf Anfrage erhältlich.
Dank eines breiten Spektrums von warmweißen 2200 K bis hin zu kaltweißen 6500 K lassen sich moderne, biodynamische Beleuchtungslösungen realisieren. Diese orientieren sich am natürlichen Tageslichtverlauf und unterstützen den menschlichen Biorhythmus – ideal für gesundes und produktives Licht.
Mit einer Lichtleistung von bis zu 2080 / 2322 Lumen pro Meter (2700 / 6500 K) eignet sich das System sowohl für eine helle Grundbeleuchtung als auch für ein angenehmes, warmes Ambiente.
Perfekt geeignet für: Restaurants, Hotels, Krankenhäuser, Büros, Verwaltungsgebäude und private Wohnräume.

Our **NauticProfil® Pegasus-5** enables high-performance, linear LED lighting with a flexibly adjustable colour temperature. Each LED strip offers two selectable colour temperatures – 2700 K (warm white) and 6500 K (cool white) as standard. Custom light colours are available on request.
Thanks to a broad spectrum ranging from warm white 2200 K to cool white 6500 K, modern, biodynamic lighting solutions can be realised. These are based on the natural progression of daylight and support the human biorhythm – ideal for healthy and productive lighting.
With a light output of up to 2080 / 2322 lumens per metre (2700 / 6500 K), the system is suitable for both bright general lighting and a pleasant, warm ambience.
Perfect for: restaurants, hotels, hospitals, offices, administrative buildings and private living spaces.

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

CE

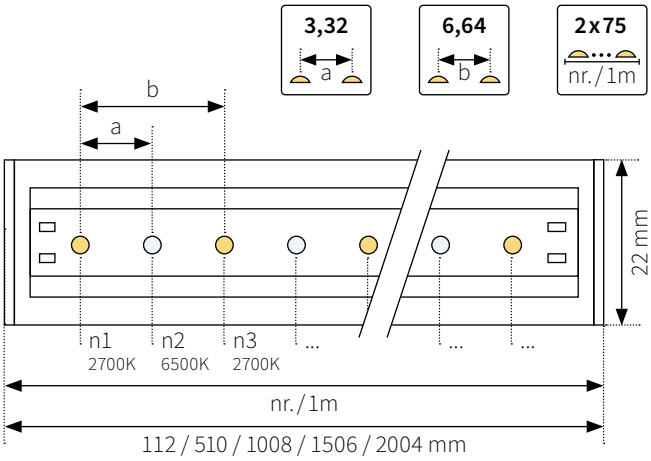
* Alle Angaben zum Lumenstrom beziehen sich auf das Leuchtmittel (gemessen bei 6500K).
In Kombination mit Abdeckungen / Linsen kommt es zu materialbedingtem Lichtverlust.
* All information about the luminous flux refers to the light source (measured at 6500K). In combination with covers / lenses it comes to material-related light loss.

Artikelnummer
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 efficacy [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:	33 m (681 W) CH1 + CH2,



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

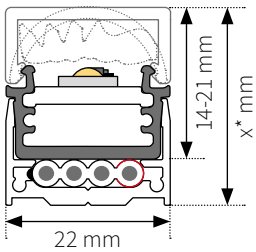
Farbtemperatur colour temperature	**WW 2700 K**	**DL 6500 K**
CRI	> 90	> 90
Lumenstrom typ. luminous flux* typ	2080 lm/m	2322 lm/m
	927	**965**

* Alle Angaben zum Lumenstrom beziehen sich auf das Leuchtmittel. In Kombination mit Abdeckungen / Linsen kommt es zu materialbedingtem Lichtverlust.
All luminous flux values refer to the light source. When used with covers/lenses, material-related light losses occur.

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 height 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

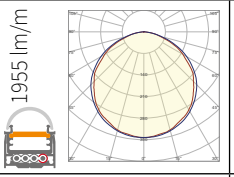
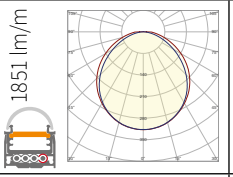
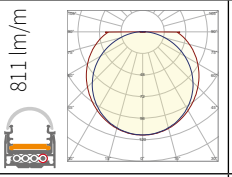
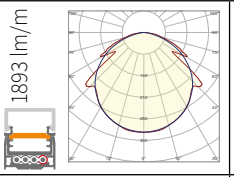
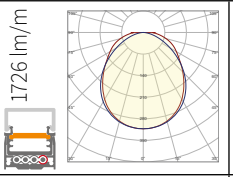
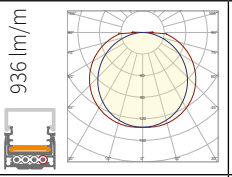
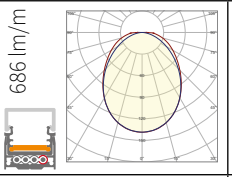
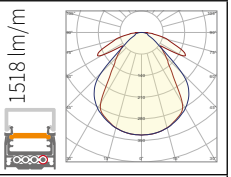
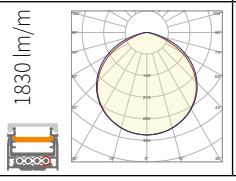
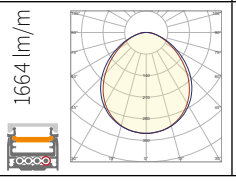
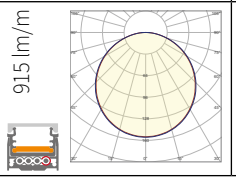
IP40		
product-nr.	**L (mm)***	**Watt** 2700+6500 K**
NP/L2C/G1/09E/L2C/G1/1506/###/###	**1506**	30,12 | 30,12
NP/L2C/G1/09E/L2C/G1/2004/###/###	**2004**	40,08 | 40,08

***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 manufactured 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

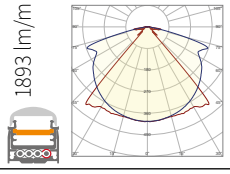
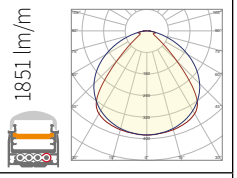
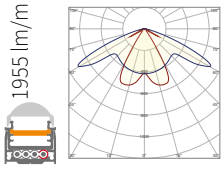
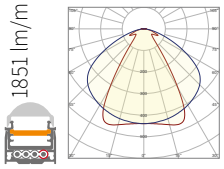
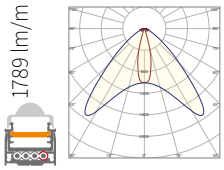
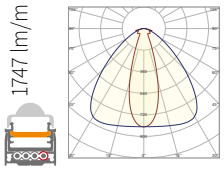
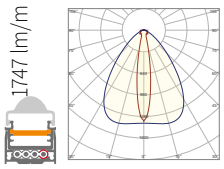
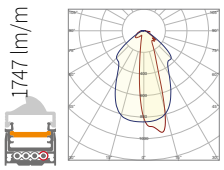
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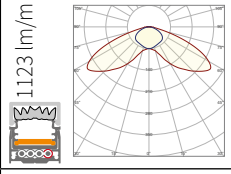
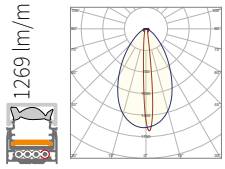
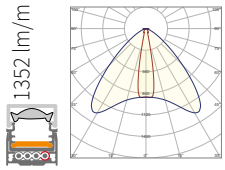
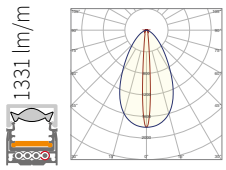
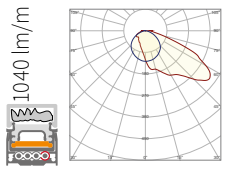
cover	T transparent	F frosted	W white	G grey	M microprismatic
cover round 120° 120° CR	1955 lm/m 	1851 lm/m 	811 lm/m 		
cover square 120° 120° CS	1893 lm/m 	1726 lm/m 	936 lm/m 	686 lm/m 	1518 lm/m 
cover flat 120° 120° CF	1830 lm/m 	1664 lm/m 	915 lm/m 		

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	1893 lm/m 	1851 lm/m 
lens 60° 60° L6	1955 lm/m 	1851 lm/m 
lens 30° 30° L3	1789 lm/m 	1747 lm/m 
lens 15° 15° L1		1747 lm/m 
lens LAF-2 asymmetric 5° 10° LA		1747 lm/m 

lenses	T transparent IP40	F frosted IP65 PREMIUM
insert lens Batwing 120° ILBW CS	1123 lm/m 	
insert lens Wallwasher asymmetric 15° ILWW CS	1269 lm/m 	
insert lens 30° 30° IL3F CS	1352 lm/m 	
insert lens 15° 15° IL1F CS	1331 lm/m 	
insert lens ILAF asymmetric 60° ILA CS		1040 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 %.

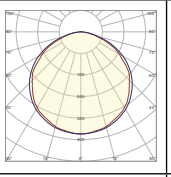
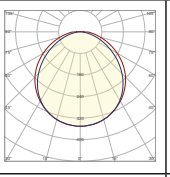
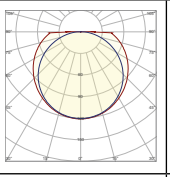
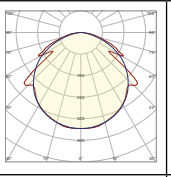
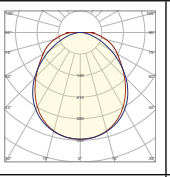
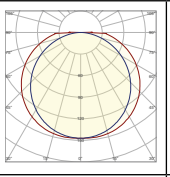
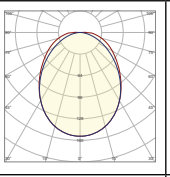
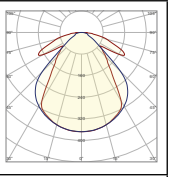
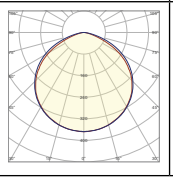
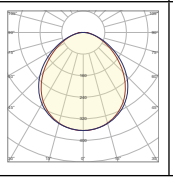
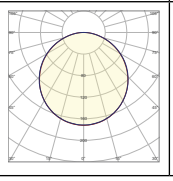
All values in the table measured at 2700 K. Measured values are subject to the typical tolerances. Other configurations are available on request. All photometric data – measured in FLASHAAR's light laboratory – available at flashaar.de/en in the download area. All optical and electrical data have a tolerance of ±10 %.

Vollständige photometrische Messdaten für IP65 / IP65 Premium auf Anfrage. Full photometric 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

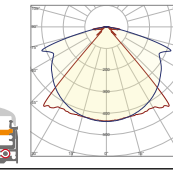
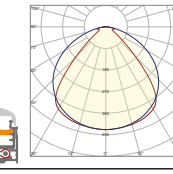
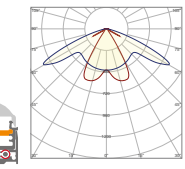
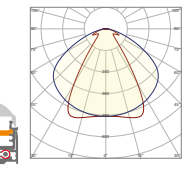
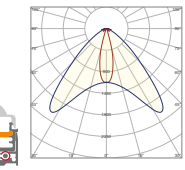
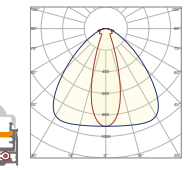
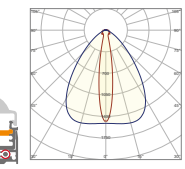
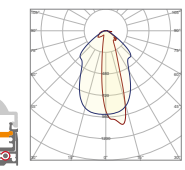
IP40

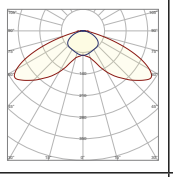
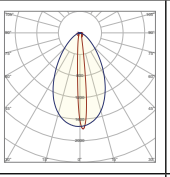
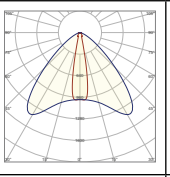
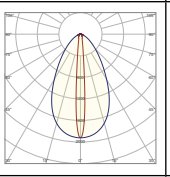
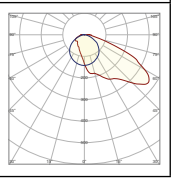
cover	T transparent	F frosted	W white	G grey	M microprismatic
cover round 120° 120° CR	2183 lm/m 	2067 lm/m 	906 lm/m 		
cover square 120° 120° CS	2113 lm/m 	1927 lm/m 	1045 lm/m 	766 lm/m 	1695 lm/m 
cover flat 120° 120° CF	2043 lm/m 	1858 lm/m 	1022 lm/m 		

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	2113 lm/m 	2067 lm/m 
lens 60° 60° L6	2183 lm/m 	2067 lm/m 
lens 30° 30° L3	1997 lm/m 	1950 lm/m 
lens 15° 15° L1		1950 lm/m 
lens LAF-2 asymmetric 5° 10° LA		1950 lm/m 

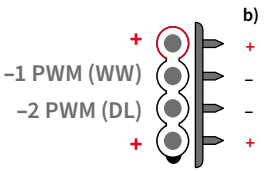
lenses	T transparent IP40	F frosted IP65 PREMIUM
insert lens Batwing 120° ILBW CS	1254 lm/m 	
insert lens Wallwasher asymmetric 15° ILWW CS	1416 lm/m 	
insert lens 30° 30° IL3F CS	1509 lm/m 	
insert lens 15° 15° IL1F CS	1486 lm/m 	
insert lens ILAF asymmetric 60° ILA CS		1161 lm/m 

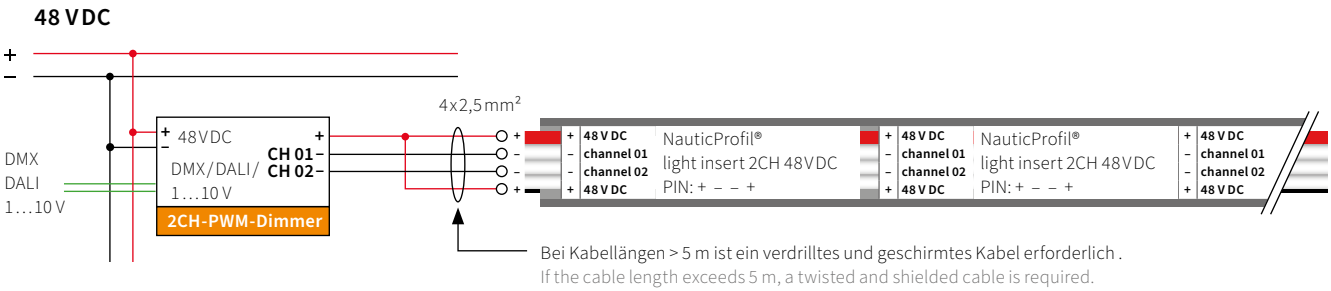
Alle Werte in der Tabelle gemessen bei 6500 K. Messwerte unterliegen den typischen Toleranzen. Andere Konfigurationen erhalten Sie auf Anfrage. Alle lichttechnischen Daten – vermessen im FLASHAAR® Lichtlabor – finden Sie unter flashaar.de im Download-Bereich. Alle optischen und elektrischen Daten haben eine Toleranz von ±10 %.
All values in the table measured at 6500 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 %.
Vollständige photometrische Messdaten für IP65 / IP65 Premium auf Anfrage. Full photometric measurement data for IP65 / IP65 Premium on request.

Verdrahtungsschemata
wiring diagrams

WD/L/2CH/48V/1D/PWM/b

NP Leuchteneinsätze 2CH mit kanalspezifischer PIN-Belegung, 2 Kanal (Tunable White, WW-DL), 48 V DC, Betrieb mit einem 2-Kanal-Dimmer, PWM-dimmbar
NP light inserts 2CH with channel-specific PIN configuration, 2 channel (Tunable White, WW-DL), 48 V DC, operates with a 2-channel dimmer, PWM dimmable





Bei Kabellängen > 5 m ist ein verdrilltes und geschirmtes Kabel erforderlich .
If the cable length exceeds 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!

* Standard PIN-Belegung ist + – – + (WD/L/2CH/48V/1D/PWM/b) / Weitere Verdrahtungsschemata in unserem aktuellen Katalog.
standard pin layout is + – – + (WD/L/2CH/48V/1D/PWM/b) / Further wiring diagrams can be found in our current catalogue.

Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

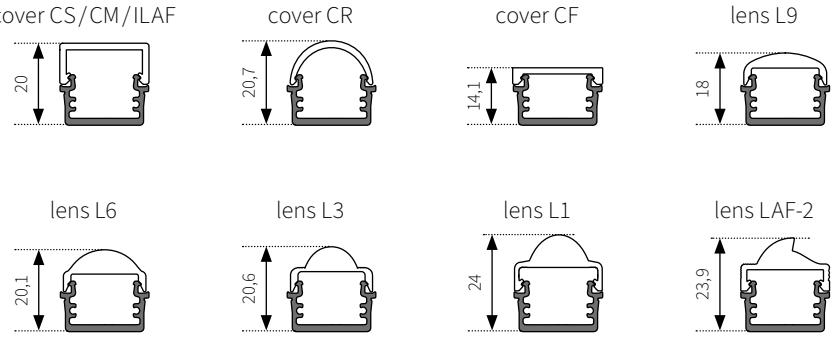
overview dimensions and installation dimensions with base profile G1

covers and lenses ►

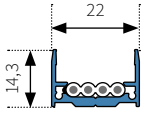


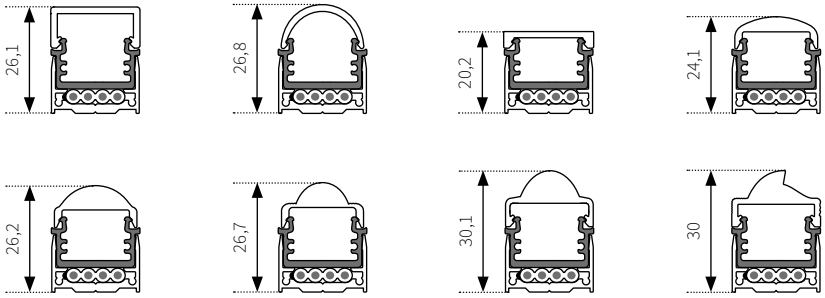
NP mounting profiles

▼

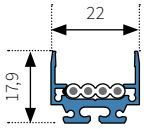


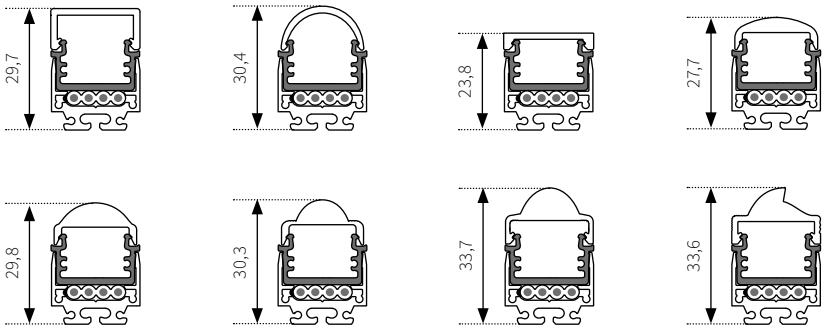
NP-S1



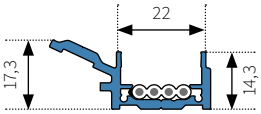


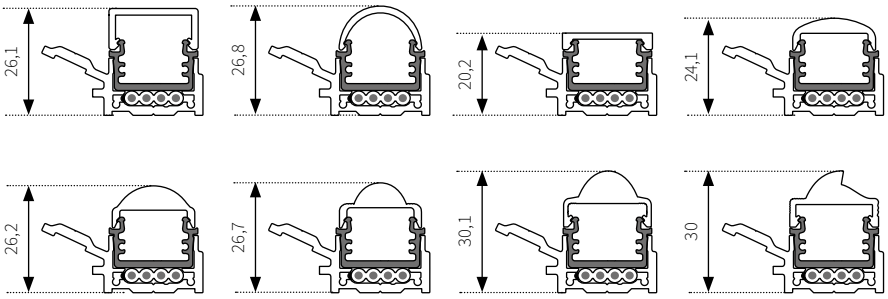
NP-S2





NP-S3





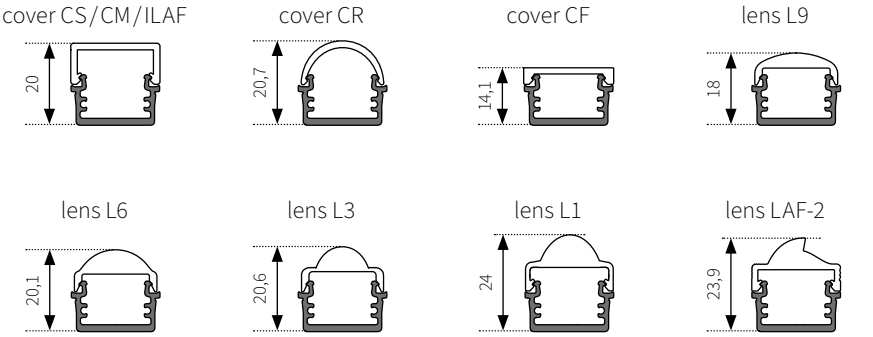
Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

overview dimensions and installation dimensions with base profile G1

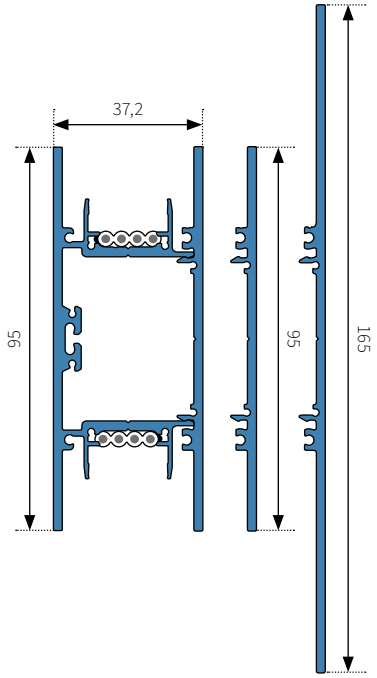
covers and lenses ►

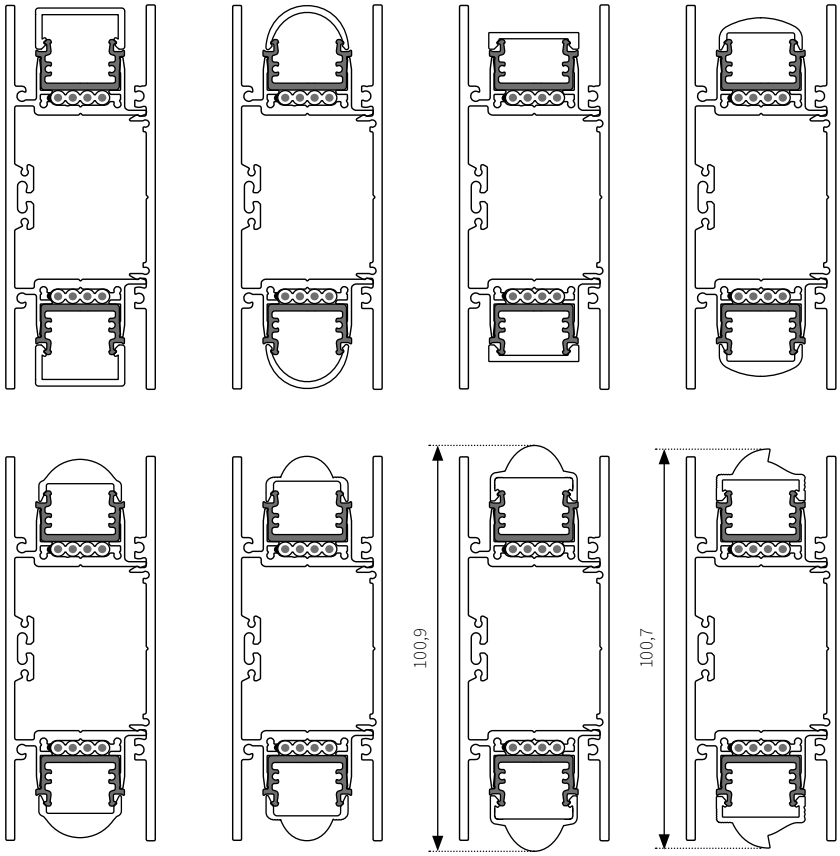
NP mounting profiles

▼

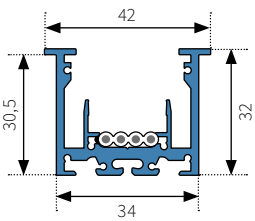


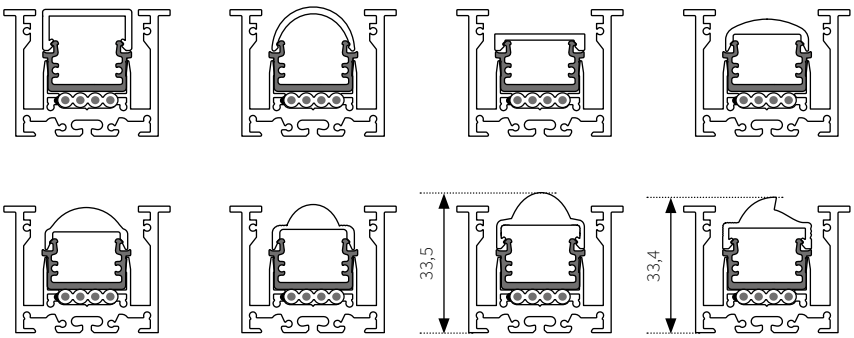
NP-H1 / H2





NP-R1





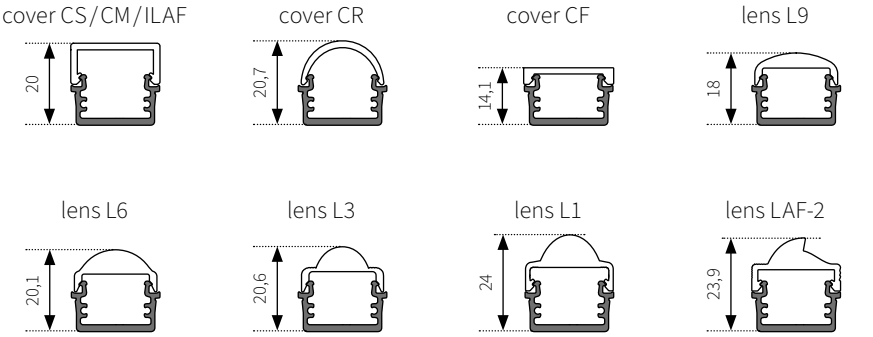
Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

overview dimensions and installation dimensions with base profile G1

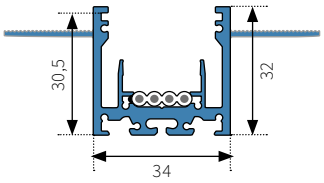
covers and lenses ►

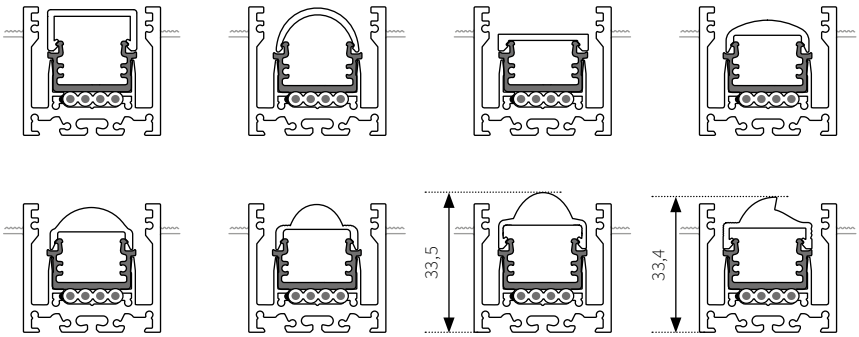
NP mounting profiles

▼

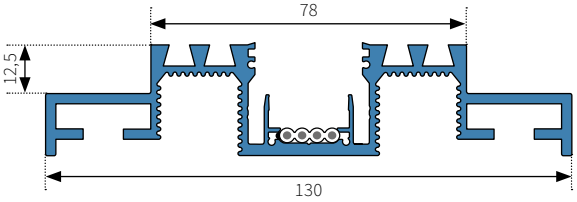


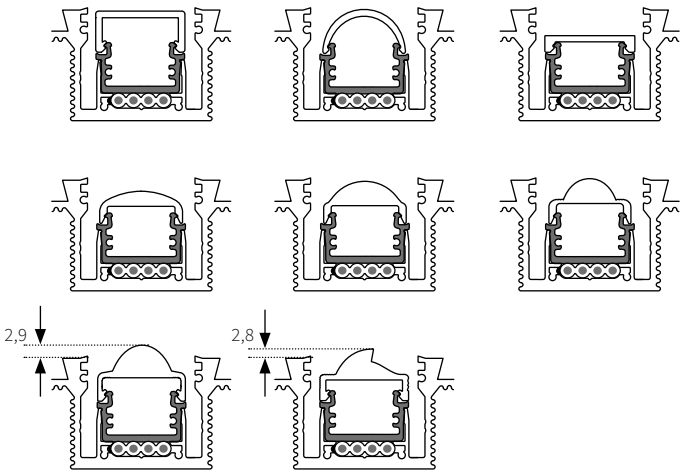
NP-R2 / R4



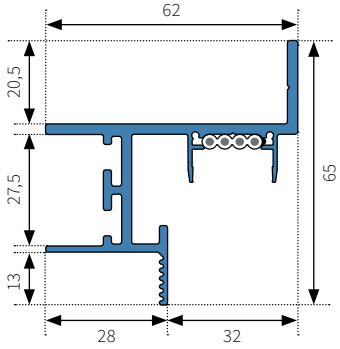


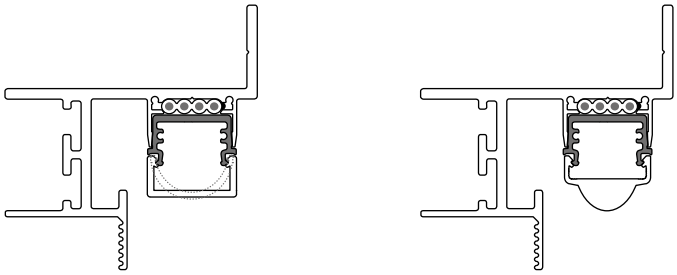
NP-R3





NP-R5





Alle Maßangaben in mm.

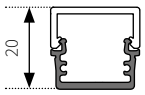
All dimensions in mm

Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

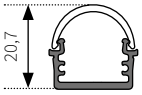
overview dimensions and installation dimensions with base profile G1

covers and lenses ►

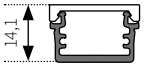
cover CS / CM / ILAF



cover CR



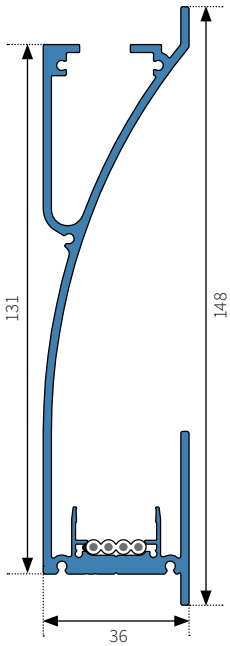
cover CF

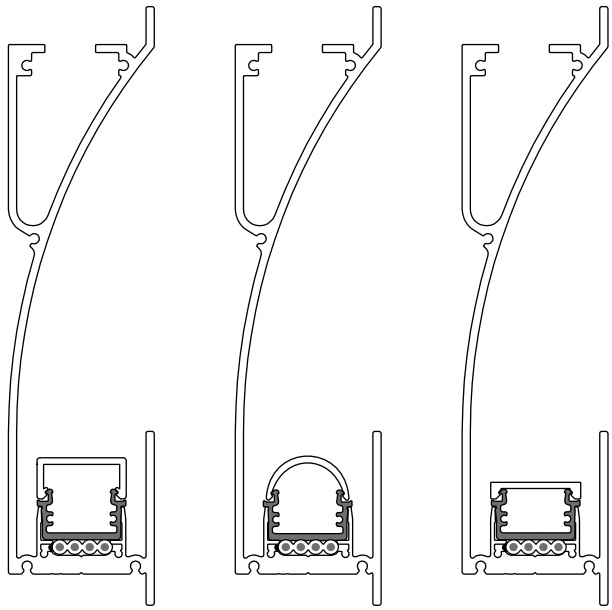


NP mounting profiles

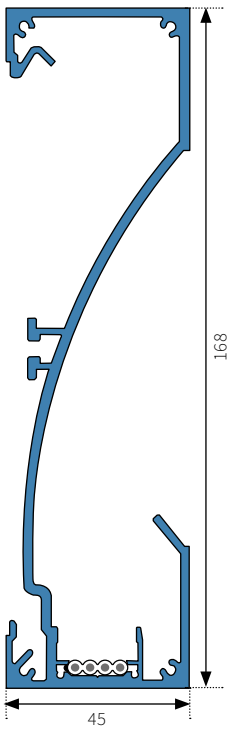
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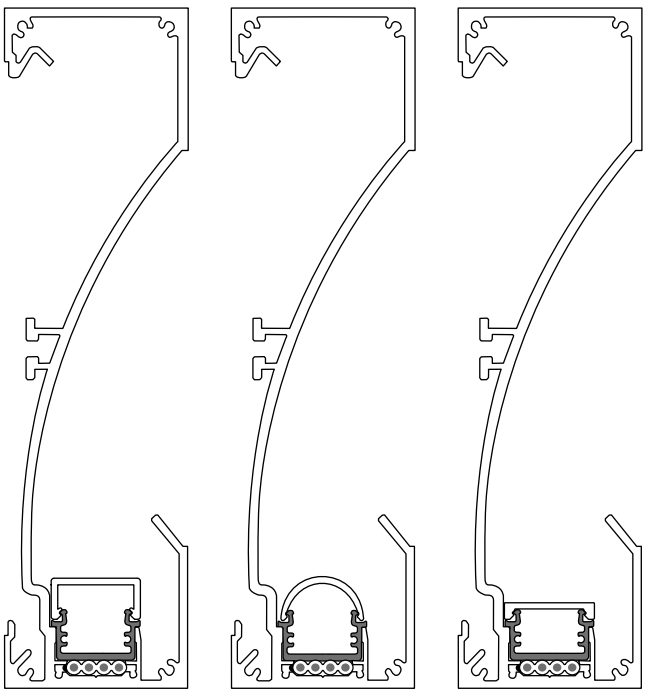
NP-I1





NP-I2





Alle Maßangaben in mm.

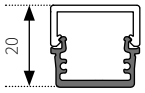
All dimensions in mm

Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

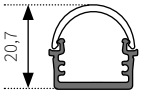
overview dimensions and installation dimensions with base profile G1

covers and lenses ►

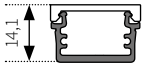
cover CS/CM/ILAF



cover CR



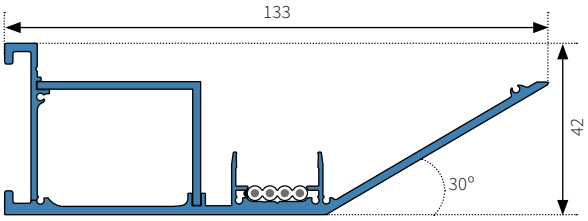
cover CF

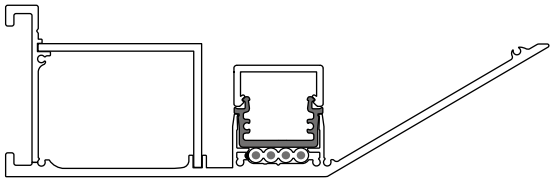


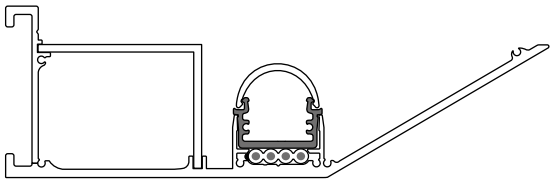
NP mounting profiles

▼

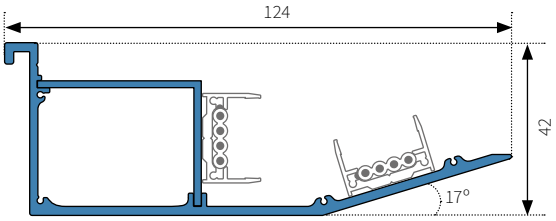
NP-W1

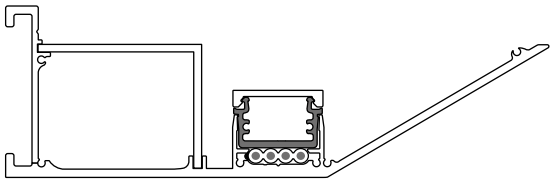






NP-W2





Alle Maßangaben in mm.

All dimensions in mm

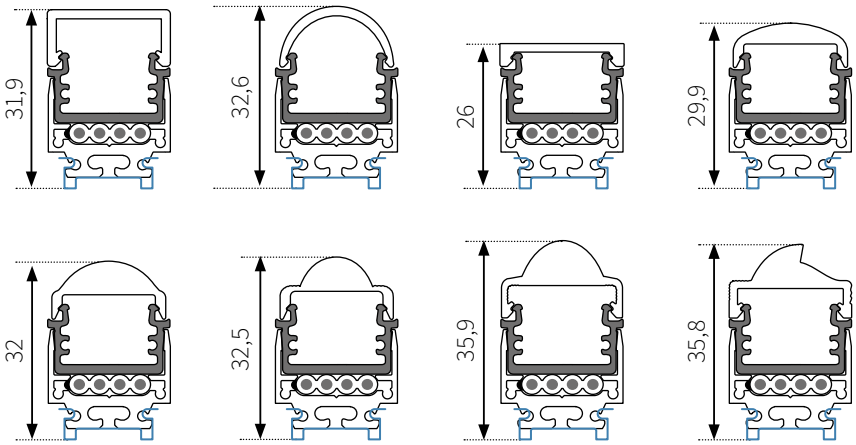
Übersicht Abmessungen und Einbaumaße NP-S2 mit Montageclips mit dem Basisprofil G1

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

FL/SCLIP-0/0

Federclip 0°

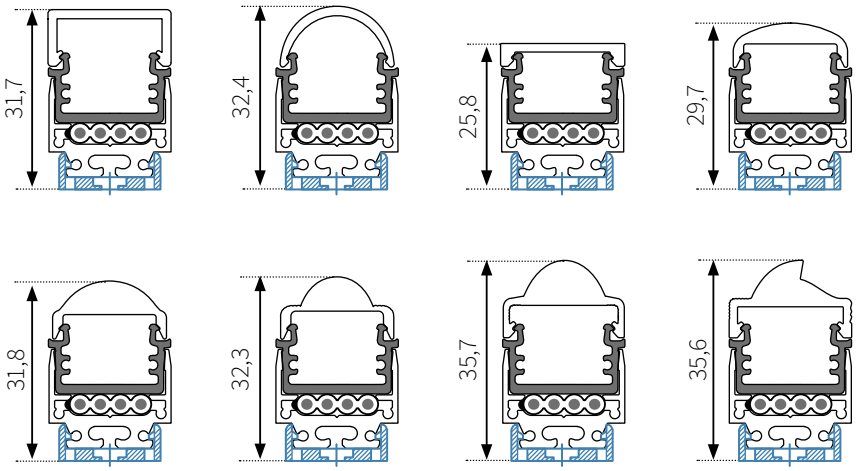
spring clip 0°



FL/CLIP-0/0

Montageclip 0°, ohne Zapfen gegen Gleiten

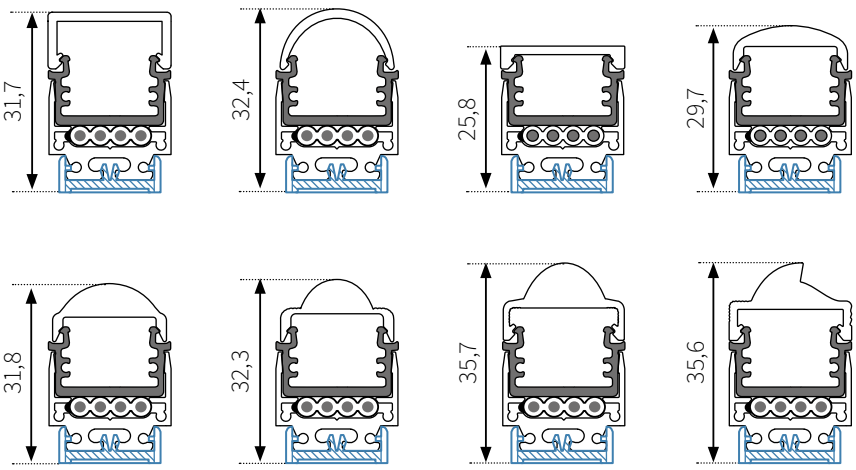
mounting clip 0°, without stud to prevent sliding



FL/CLIP-1/0

Montageclip 0°, mit Zapfen gegen Gleiten

mounting clip 0°, with stud to prevent sliding



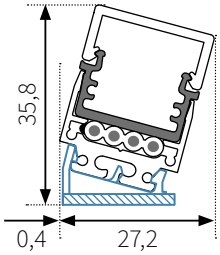
Übersicht Abmessungen und Einbaumaße NP-S2 mit Montageclips mit dem Basisprofil G1

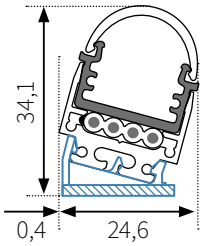
overview dimensions and installation dimensions NP-S2 with mounting clips with base profile G1

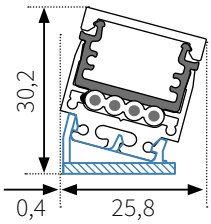
FL/CLIP-1/15

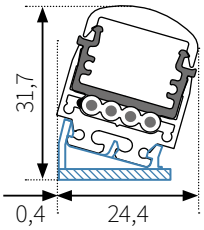
Montageclip 15°, mit Zapfen gegen Gleiten

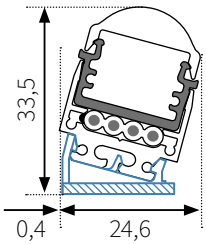
mounting clip 15°, with stud to prevent sliding

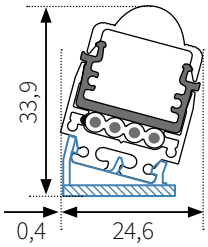


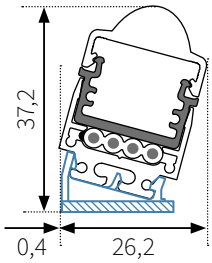


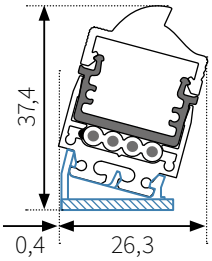








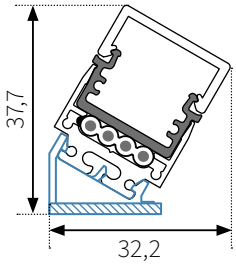


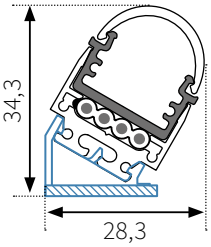


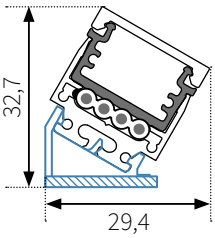
FL/CLIP-1/30

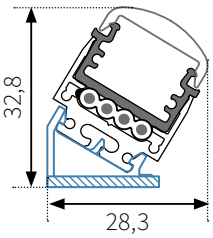
Montageclip 30°, mit Zapfen gegen Gleiten

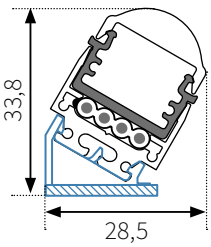
mounting clip 30°, with stud to prevent sliding

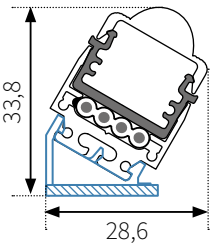


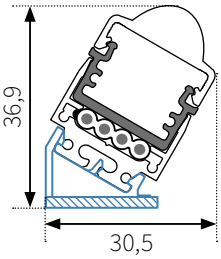


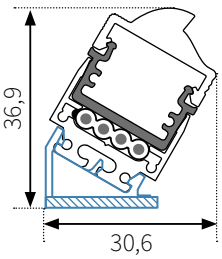












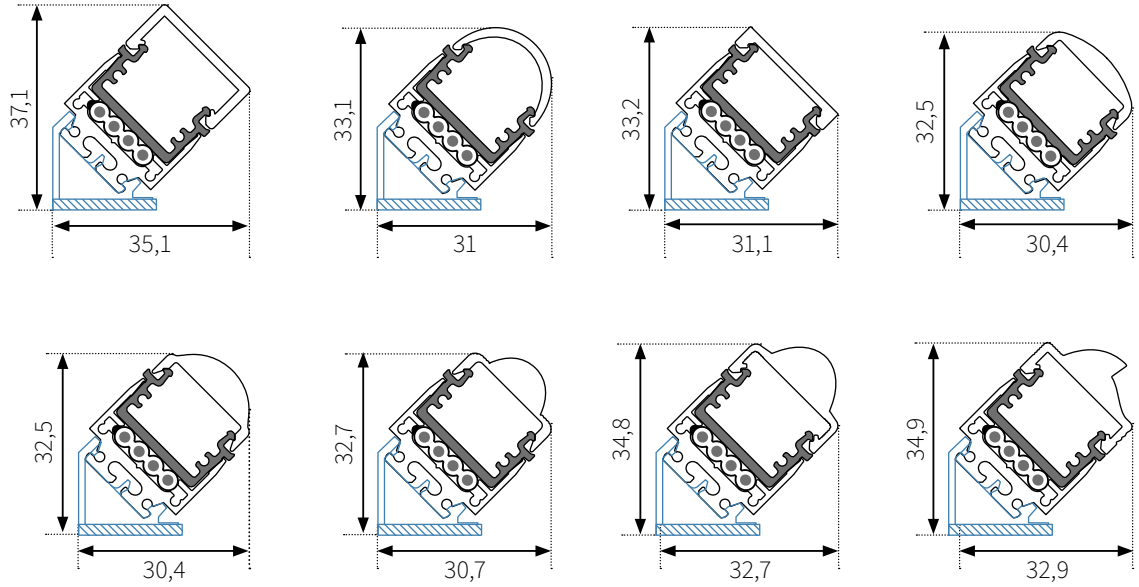
Übersicht Abmessungen und Einbaumaße NP-S2 mit Montageclips mit dem Basisprofil G1

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

FL/CLIP-1/45

Montageclip 45°, mit Zapfen gegen Gleiten

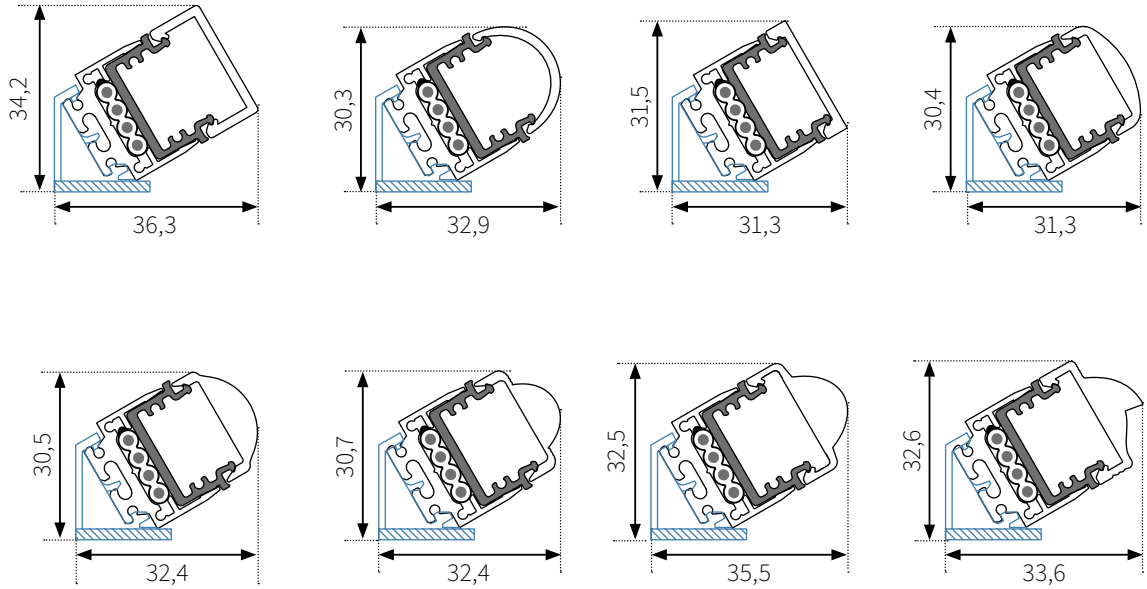
mounting clip 45°, with stud to prevent sliding



FL/CLIP-1/60

Montageclip 60°, mit Zapfen gegen Gleiten

mounting clip 60°, with stud to prevent sliding



Allgemeine Geschäftsbedingungen

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https://flashaar.de/en/conditions/

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Erforderliche Angaben auf Ihrer Bestellung
- 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

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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.)
- requested delivery date
- delivery address

ordering address
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Gaustraße 13 –15
55411 Bingen am Rhein
Germany
FON +49 6721 9195-0
FAX +49 6721 9195-91
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Ausgabe

edition

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