TOP 100 Top-Innovator 2021

FLASHAAR



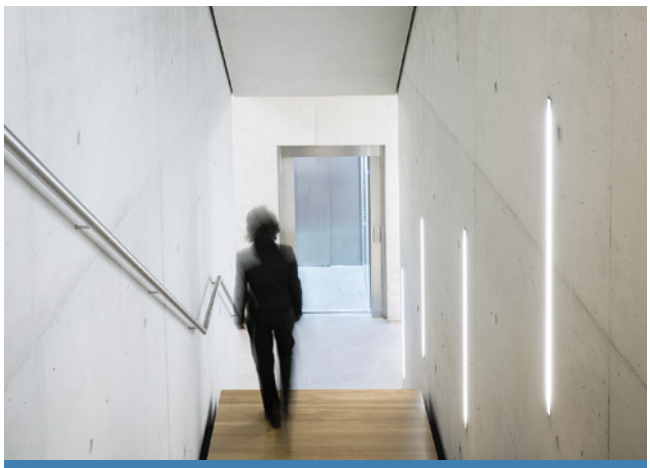
NP Jago-2

DATENBLATT
DATASHEET

FLASHAAR® – Wir machen Licht.

MADE IN **GERMANY**

FLASHAAR® – We create light.



3158 lm/m* | 43 m per feed-in | CRI > 90 | 2200 K - 6500 K

NauticProfil® Jago-2

HIGH

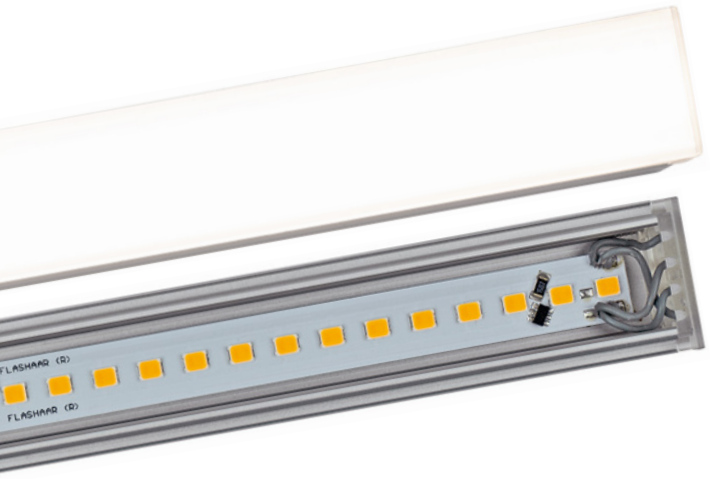
Hoher Lichtstrom und eine hervorragende Farbwiedergabe

High luminous flux and excellent colour rendering

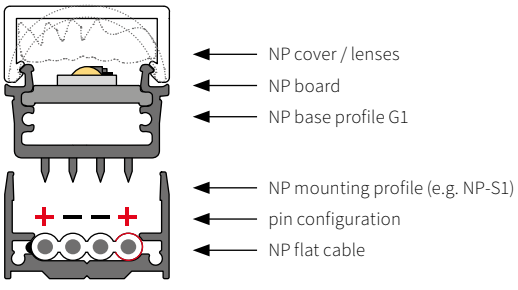
Die LED-Linie **NauticProfil® Jago-2** verbindet eine hochwertige Lichtqualität mit der Möglichkeit, lange, durchgängige Lichtlinien zu realisieren. Mit einem exzellenten Farbwiedergabewert von CRI > 90 sorgt sie für eine besonders natürliche und brillante Farbwiedergabe. Egal ob gerichtete oder diffuse Abstrahlung – das NauticProfil® Jago-2 eignet sich hervorragend für hochwertige Allgemeinbeleuchtungen in Büros, Fachgeschäften und repräsentativen Räumen sowie für Ausstellungen und Galerien.
Überall dort, wo Farben besonders authentisch und detailgetreu erscheinen sollen, bietet es eine ideale Lösung. Für unterschiedliche Lichtstimmungen und Anforderungen stehen fünf Farbtemperaturen zur Auswahl.

The **NauticProfil® Jago-2** LED range combines high-quality lighting with the ability to create long, continuous lines of light. With an excellent colour rendering index of CRI > 90, it ensures particularly natural and brilliant colour rendering.
Whether directional or diffuse illumination – the NauticProfil® Jago-2 is ideally suited to high-quality general lighting in offices, specialist shops and prestigious spaces, as well as for exhibitions and galleries.
It offers an ideal solution wherever colours need to appear authentic to detail. Five colour temperatures are available to suit different lighting atmospheres and requirements.

brillantes Licht für hochwertige Beleuchtungen
brilliant light forhigh quality lighting







48V DC | g/m 300 | -20 +45 | 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 2700K).
In Kombination mit Abdeckungen / Linsen kommt es zu materialbedingtem Lichtverlust.
* All information about the luminous flux refers to the light source (measured at 2700K). In combination with covers / lenses it comes to material-related light loss.

Artikelnummer
item number

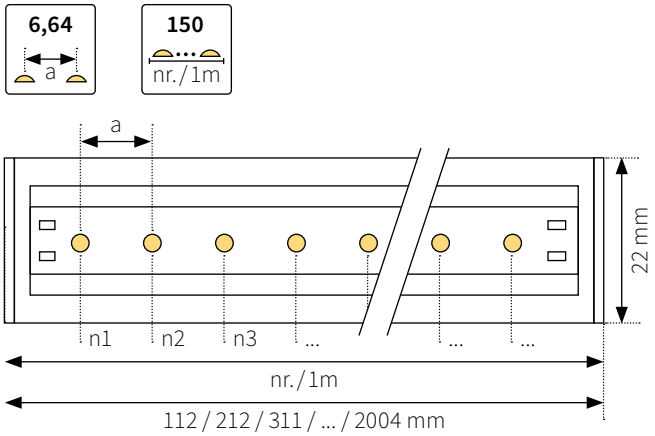
NP/L1C/G1/19B / L1C/G1/ 112 / G1/ ALA / 9 27 / CR W

Technische Daten
technical data

nominal voltage:	**48 V DC** (Range: 44,25 to 49,5 V DC)
nominal wattage:	**24 W/m**
photometric code:	9XX/339; **CRI > 90**
luminous efficacy [typ.]:	**135 lm/W**
LED service life:	L90/B10 > 100 000 h
dimmable:	pulse width modulation (PWM)
length dividing matrix:	100 mm
LED pitch:	6,64 mm, 150 LEDs/m
max. length per feed-in:	L(max) at 49,5 V DC = 43 m (1145 W)*

***Achtung!** Die Leistung [W] gesamt im NP-System ist gleichmäßig auf die Kanäle 1+2 aufzuteilen.
***Attention!** The total power [W] in the NP system is to be divided equally between channels 1+2.

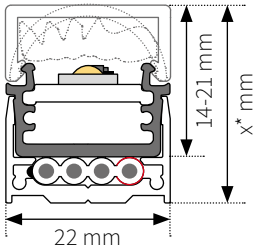
Alle optischen und elektrischen Daten haben eine Toleranz von ±10 %.
All optical and electrical data have a tolerance of ±10 %.



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)

Farbtemperatur und Lumenstrom
colour temperature and luminous flux

Farbtemperatur colour temperature	WW 2200 K**	**WW 2700 K**	**WW 3000 K**	**NW 4000 K**	DL 6500 K**
CRI	> 90	> 90	> 90	> 90	> 90
Lumenstrom typ.* luminous flux typ.*	2548 lm/m	3158 lm/m	3306 lm/m	3532 lm/m	3532 lm/m
	922	**927**	**930**	**940**	**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.
**Farbtemperatur auf Anfrage.
Colour temperature on request.

Übersicht Standardlängen & Wattagen

overview standard lengths & wattages

IP40, IP65, IP65 Premium		
product-nr.	**L (mm)***	**Watt****
NP/L1C/G1/19B/L1C/G1/0112/###/###	112	2,40
NP/L1C/G1/19B/L1C/G1/0212/###/###	212	4,80
NP/L1C/G1/19B/L1C/G1/0311/###/###	311	7,20
NP/L1C/G1/19B/L1C/G1/0411/###/###	411	9,60
NP/L1C/G1/19B/L1C/G1/0510/###/###	510	12,00
NP/L1C/G1/19B/L1C/G1/0610/###/###	610	14,40
NP/L1C/G1/19B/L1C/G1/0710/###/###	710	16,80
NP/L1C/G1/19B/L1C/G1/0809/###/###	809	19,20
NP/L1C/G1/19B/L1C/G1/0909/###/###	909	21,60
NP/L1C/G1/19B/L1C/G1/1008/###/###	1008	24,00

IP40		
product-nr.	**L (mm)***	**Watt****
NP/L1C/G1/19B/L1C/G1/1108/###/###	1108	26,40
NP/L1C/G1/19B/L1C/G1/1208/###/###	1208	28,80
NP/L1C/G1/19B/L1C/G1/1307/###/###	1307	31,20
NP/L1C/G1/19B/L1C/G1/1407/###/###	1407	33,60
NP/L1C/G1/19B/L1C/G1/1506/###/###	1506	36,00
NP/L1C/G1/19B/L1C/G1/1606/###/###	1606	38,40
NP/L1C/G1/19B/L1C/G1/1706/###/###	1706	40,80
NP/L1C/G1/19B/L1C/G1/1805/###/###	1805	43,20
NP/L1C/G1/19B/L1C/G1/1905/###/###	1905	45,60
NP/L1C/G1/19B/L1C/G1/2004/###/###	2004	48,00

Übersicht der möglichen Sonderlängen & Wattagen (nach Rücksprache)

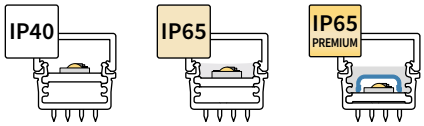
overview of possible special lengths & wattages (after consultation)

IP40, IP65, IP65 Premium		
product-nr.	**L (mm)***	**Watt****
NP/L1C/G1/19B/SL1C/G1/0271/###/###	271	7,20
NP/L1C/G1/19B/SL1C/G1/0351/###/###	351	9,60
NP/L1C/G1/19B/SL1C/G1/0371/###/###	371	9,60
NP/L1C/G1/19B/SL1C/G1/0451/###/###	451	12,00
NP/L1C/G1/19B/SL1C/G1/0471/###/###	471	12,00
NP/L1C/G1/19B/SL1C/G1/0530/###/###	530	14,40
NP/L1C/G1/19B/SL1C/G1/0550/###/###	550	14,40
NP/L1C/G1/19B/SL1C/G1/0570/###/###	570	14,40
NP/L1C/G1/19B/SL1C/G1/0630/###/###	630	16,80
NP/L1C/G1/19B/SL1C/G1/0650/###/###	650	16,80
NP/L1C/G1/19B/SL1C/G1/0670/###/###	670	16,80
NP/L1C/G1/19B/SL1C/G1/0690/###/###	690	19,20
NP/L1C/G1/19B/SL1C/G1/0730/###/###	730	19,20
NP/L1C/G1/19B/SL1C/G1/0750/###/###	750	19,20
NP/L1C/G1/19B/SL1C/G1/0769/###/###	769	19,20
NP/L1C/G1/19B/SL1C/G1/0789/###/###	789	21,60
NP/L1C/G1/19B/SL1C/G1/0829/###/###	829	21,60
NP/L1C/G1/19B/SL1C/G1/0849/###/###	849	21,60
NP/L1C/G1/19B/SL1C/G1/0869/###/###	869	21,60
NP/L1C/G1/19B/SL1C/G1/0889/###/###	889	24,00
NP/L1C/G1/19B/SL1C/G1/0929/###/###	929	24,00
NP/L1C/G1/19B/SL1C/G1/0949/###/###	949	24,00
NP/L1C/G1/19B/SL1C/G1/0969/###/###	969	24,00
NP/L1C/G1/19B/SL1C/G1/0989/###/###	989	26,40

IP40		
product-nr.	**L (mm)***	**Watt****
NP/L1C/G1/19B/SL1C/G1/1028/###/###	1028	26,40
NP/L1C/G1/19B/SL1C/G1/1048/###/###	1048	26,40
NP/L1C/G1/19B/SL1C/G1/1068/###/###	1068	26,40
NP/L1C/G1/19B/SL1C/G1/1088/###/###	1088	28,80
NP/L1C/G1/19B/SL1C/G1/1128/###/###	1128	28,80
NP/L1C/G1/19B/SL1C/G1/1148/###/###	1148	28,80
NP/L1C/G1/19B/SL1C/G1/1168/###/###	1168	28,80
NP/L1C/G1/19B/SL1C/G1/1188/###/###	1188	31,20
NP/L1C/G1/19B/SL1C/G1/1228/###/###	1228	31,20
NP/L1C/G1/19B/SL1C/G1/1248/###/###	1248	31,20
NP/L1C/G1/19B/SL1C/G1/1267/###/###	1267	31,20
NP/L1C/G1/19B/SL1C/G1/1287/###/###	1287	33,60
NP/L1C/G1/19B/SL1C/G1/1327/###/###	1327	33,60
NP/L1C/G1/19B/SL1C/G1/1347/###/###	1347	33,60
NP/L1C/G1/19B/SL1C/G1/1367/###/###	1367	33,60
NP/L1C/G1/19B/SL1C/G1/1387/###/###	1387	36,00
NP/L1C/G1/19B/SL1C/G1/1427/###/###	1427	36,00
NP/L1C/G1/19B/SL1C/G1/1447/###/###	1447	36,00
NP/L1C/G1/19B/SL1C/G1/1467/###/###	1467	36,00
NP/L1C/G1/19B/SL1C/G1/1487/###/###	1487	38,40
NP/L1C/G1/19B/SL1C/G1/1526/###/###	1526	38,40
NP/L1C/G1/19B/SL1C/G1/1546/###/###	1546	38,40
NP/L1C/G1/19B/SL1C/G1/1566/###/###	1566	38,40
NP/L1C/G1/19B/SL1C/G1/1586/###/###	1586	40,80
NP/L1C/G1/19B/SL1C/G1/1626/###/###	1626	40,80
NP/L1C/G1/19B/SL1C/G1/1646/###/###	1646	40,80
NP/L1C/G1/19B/SL1C/G1/1666/###/###	1666	40,80
NP/L1C/G1/19B/SL1C/G1/1686/###/###	1686	43,20
NP/L1C/G1/19B/SL1C/G1/1726/###/###	1726	43,20
NP/L1C/G1/19B/SL1C/G1/1746/###/###	1746	43,20
NP/L1C/G1/19B/SL1C/G1/1765/###/###	1765	43,20
NP/L1C/G1/19B/SL1C/G1/1785/###/###	1785	45,60
NP/L1C/G1/19B/SL1C/G1/1825/###/###	1825	45,60
NP/L1C/G1/19B/SL1C/G1/1845/###/###	1845	45,60
NP/L1C/G1/19B/SL1C/G1/1865/###/###	1865	45,60
NP/L1C/G1/19B/SL1C/G1/1885/###/###	1885	48,00
NP/L1C/G1/19B/SL1C/G1/1925/###/###	1925	48,00
NP/L1C/G1/19B/SL1C/G1/1945/###/###	1945	48,00
NP/L1C/G1/19B/SL1C/G1/1965/###/###	1965	48,00
NP/L1C/G1/19B/SL1C/G1/1985/###/###	1985	50,40

***Achtung!** Im Außenbereich (IP65 und IP65 Premium) ist maximal ein Leuchteneinsatz in der Länge von 112 mm bis 1008 mm realisierbar.
***Attention!** In outdoor areas (IP65 and IP65 Premium), a maximum of one luminaire insert can be manufactured in lengths from 112 mm to 1008 mm.
**Leistungsangaben ±10 % | performance data ±10 %

IP-Schutzarten und Ausführungen
IP protection ratings and variants



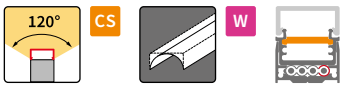
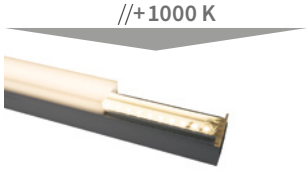
Je nach Anwendung gibt es verschiedene Schutzarten für unsere LED-Leuchteneinsätze. Als Standard bieten wir unsere Leuchten in IP40 an. Für die Schutzart IP65 vergießen wir unsere Leuchten mit einem hochwertigen transparenten Polyurethan-Verguss (PU-Verguss), frei von störenden Mikroblasen.
Beim patentierten FLASHAAR® PremiumCoating (IP65 Premium) wird ein spezielles Cover über die hochwertigen LED-Alukernplatinen geklipst. Das Cover verhindert den direkten Kontakt mit dem Gießharz bzw. PU-Verguss und verhindert somit einen unerwünschten Farbdrift.

Achtung! Ein Leuchteneinsatz mit IP65- oder IP65 Premium-Verguss ist ausschließlich in den Längen von 112 mm bis 1008 mm realisierbar.

Depending on the application, there are different protection types for our LED light inserts. As standard, we offer the luminaires in IP40. For protection type IP65, we cast our luminaires with a high-quality transparent polyurethane encapsulation (PU encapsulation) free of undesirable microbubbles.
With the patented FLASHAAR® PremiumCoating (IP65 Premium), a special cover is clipped over the high-quality LED aluminium core boards. The cover prevents direct contact with the casting resin or PU potting and thus prevents unwanted colour drift.

Attention! A light insert with IP65 or IP65 Premium encapsulation can only be manufactured in lengths from 112 mm to 1008 mm.

Beispiel: Vergleich Farbtemperatur und Lumenstrom bei verschiedenen Schutzarten
example: Comparison of colour temperature and lumen output for different protection types

vermessene Leuchte* measured luminaire	**IP40**	**IP65**	**IP65 Premium**
Beispiel/ Example: NP Navigator-3; 2700 K NP/L1C/G1/03F/L1C/G1/0510/827 	2700 K 1582 lm/m // **2738 K** 	2700 K 1058 lm/m // **3738 K** //+1000 K 	2700 K 1336 lm/m // **2738 K** 

* Alle Angaben unterliegen den Messtoleranzen. Systembeispiel – Werte gelten für NP Navigator-3, nicht für dieses Produkt.
* All figures are subject to measurement tolerances. System example – the values apply to NP Navigator-3, not to this product.

Lichtverteilungskurven mit verschiedenen Abdeckungen NP/L1C/G1/19B
light distribution curves with different covers NP/L1C/G1/19B

IP40

cover	T transparent	F frosted	W white	G grey	M microprismatic
cover round 120° 120° CR	2969 lm/m	2811 lm/m	1232 lm/m		
cover square 120° 120° CS	2874 lm/m	2621 lm/m	1421 lm/m	1042 lm/m	2305 lm/m
cover flat 120° 120° CF	2779 lm/m	2526 lm/m	1390 lm/m		

Alle Werte in der Tabelle gemessen bei 2700 K. Messwerte unterliegen den typischen Toleranzen. Alle optischen und elektrischen Daten haben eine Toleranz von ±10 %. Andere Konfigurationen auf Anfrage. Vollständige photometrische Messdaten für IP65 / IP65 Premium auf Anfrage.
All values in the table measured at 2700 K. Measured values are subject to the typical tolerances. All optical and electrical data have a tolerance of ±10 %. Configurations available on request. Full photometric measurement data for IP65 / IP65 Premium is available on request.

Lichtverteilungskurven mit verschiedenen Linsen/Einschublinsen NP/L1C/G1/19B

light distribution curves with different lenses/insert lenses NP/L1C/G1/19B

IP40

lenses	T transparent	F frosted
lens 90° (90° L9)	2874 lm/m	2811 lm/m
lens 60° (60° L6)	2969 lm/m	2811 lm/m
lens 30° (30° L3)	2716 lm/m	2653 lm/m
lens 15° (15° L1)		2653 lm/m
lens LAF-2 asymmetric (5° 10° LA)		2653 lm/m

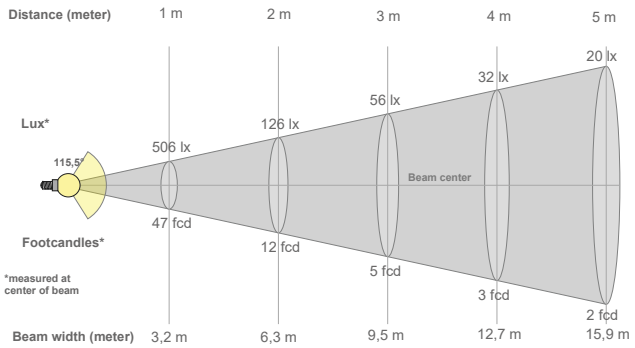
lenses	T transparent IP40	F frosted IP65 PREMIUM
insert lens Batwing (120° ILBW CS)	1705 lm/m	
insert lens Wallwasher asymmetric (15° ILWW CS)	1926 lm/m	
insert lens 30° (30° IL3F CS)	2053 lm/m	
insert lens 15° (15° IL1F CS)	2021 lm/m	
insert lens ILAF asymmetric (60° ILA CS)		1579 lm/m

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 %. **Vollständige photometrische Messdaten für IP65/IP65 Premium 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. 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 %. **Full photometric measurement data for IP65/IP65 Premium on request.**

Lichtstärke*:
gemessen am Beispiel einer transparenten, runden Abdeckung (CRT)

Luminous intensity*:
measured with a transparent round cover (CRT)

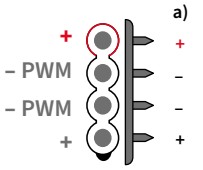


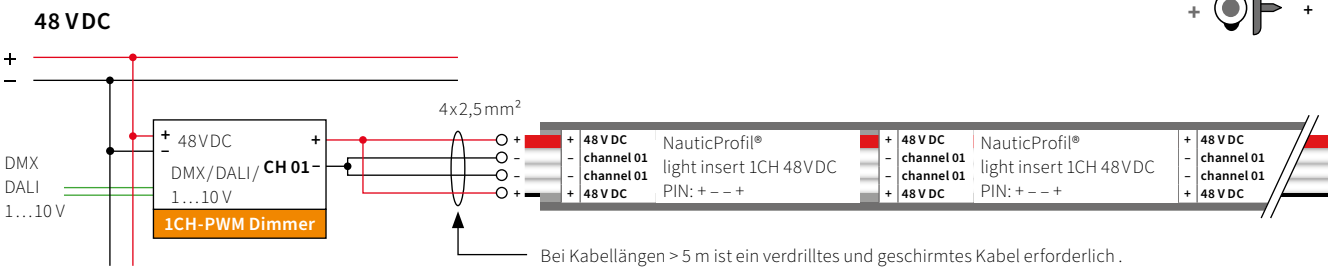
EPREL-Daten: 2200 K 2700 K 3000 K 4000 K 6500 K

Verdrahtungsschemata
wiring diagrams

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

NP-Leuchteneinsätze mit redundanter PIN-Belegung, 1 Kanal, 48 V DC, Betrieb mit einem 1-Kanal-Dimmer, PWM-dimmbar
NP light insert with redundant pin configuration, 1 channel, 48 V DC, operates with one 1-channel dimmer, PWM dimmable

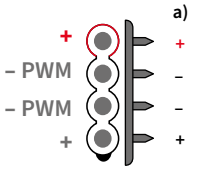


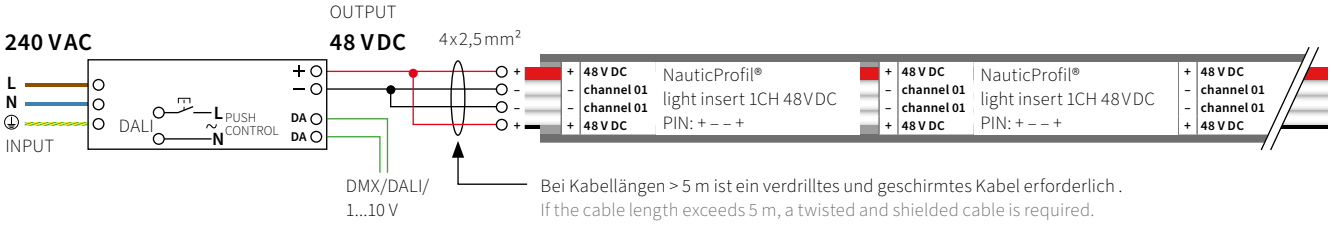


Bei Kabellängen > 5 m ist ein verdrilltes und geschirmtes Kabel erforderlich .
If the cable length exceeds 5 m, a twisted and shielded cable is required.

WD/L/1CH/48V/DALI/PWM

NP-Leuchteneinsatz mit redundanter PIN-Belegung, 1 Kanal, 48 V DC, DALI-Ansteuerung (integrierter Konverter), PWM-dimmbar
NP light insert with redundant pin configuration, 1 channel, 48 V DC, DALI control (integrated converter), PWM dimmable



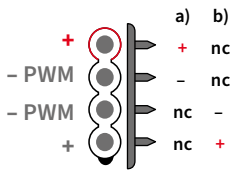


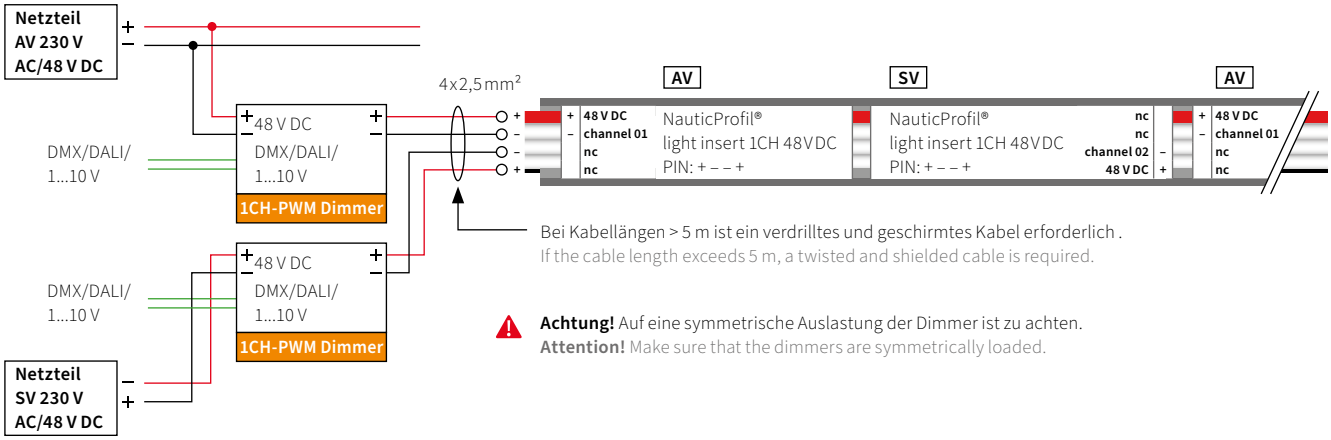
Bei Kabellängen > 5 m ist ein verdrilltes und geschirmtes Kabel erforderlich .
If the cable length exceeds 5 m, a twisted and shielded cable is required.

WD/L/2x1CH/48V/2D/PWM

AV = Allgemeine Versorgung
General power supply
SV = Sicherheitsversorgung/ Notstrom
Emergency power supply

NP-System mit zwei 1CH-Leuchteneinsätzen für die Realisierung einer Sicherheits-/Notstrombeleuchtung (zwei Kanäle und zwei getrennte Versorgungen), 48 V DC, Betrieb mit zwei 1-Kanal-Dimmer, PWM-dimmbar
NP-System with two 1-channel luminaire inserts for the installation of safety/emergency lighting (two channels and two separate power supplies), 48 V DC, operated by two 1-channel dimmers, 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! Auf eine symmetrische Auslastung der Dimmer ist zu achten.
Attention! Make sure that the dimmers are symmetrically loaded.

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

Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

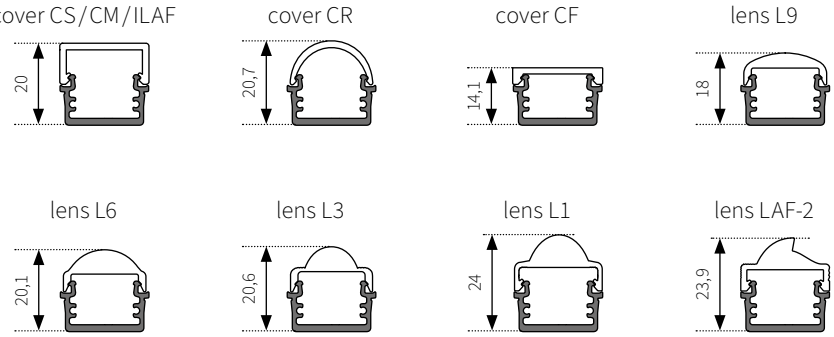
overview dimensions and installation dimensions with base profile G1

covers and lenses ►

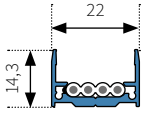


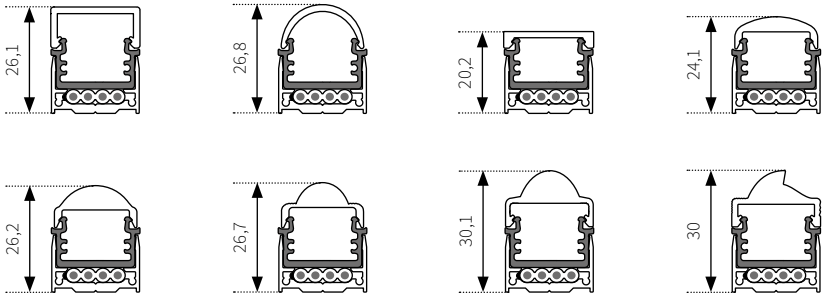
NP mounting profiles

▼

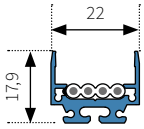


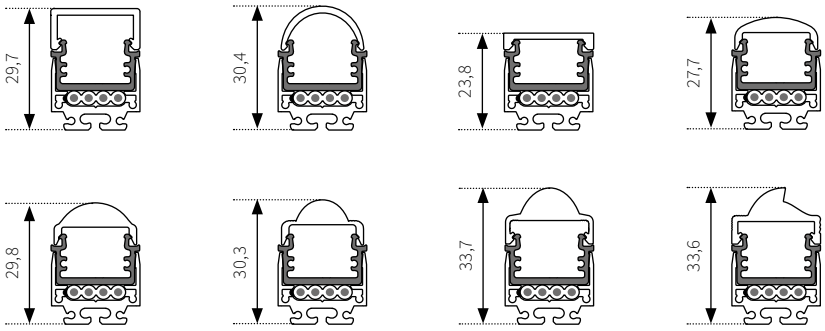
NP-S1



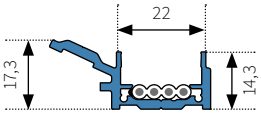


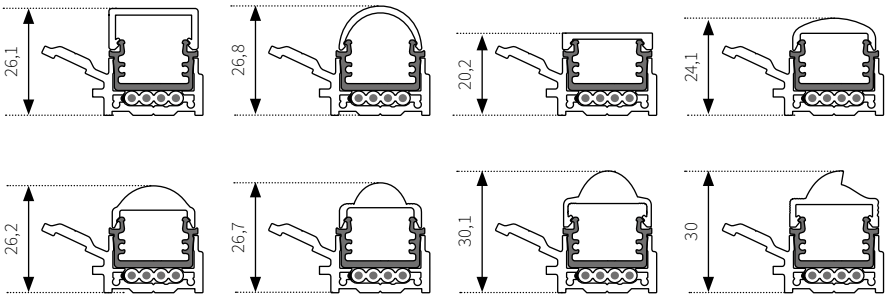
NP-S2





NP-S3





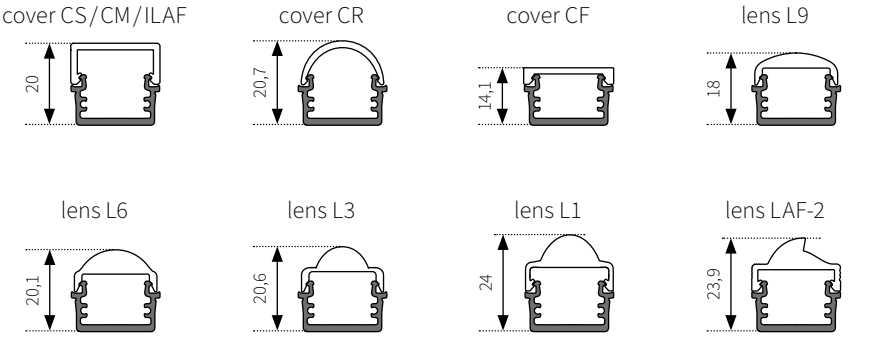
Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

overview dimensions and installation dimensions with base profile G1

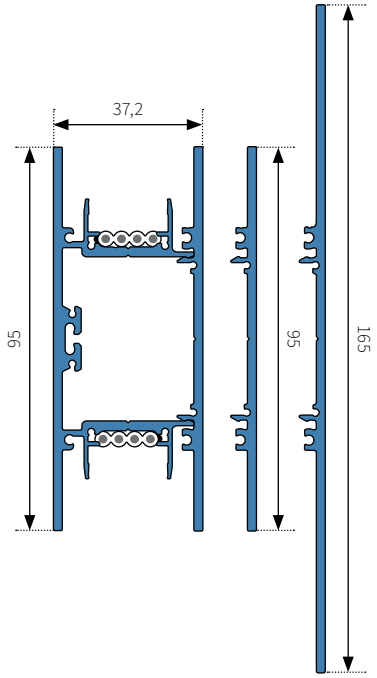
covers and lenses ►

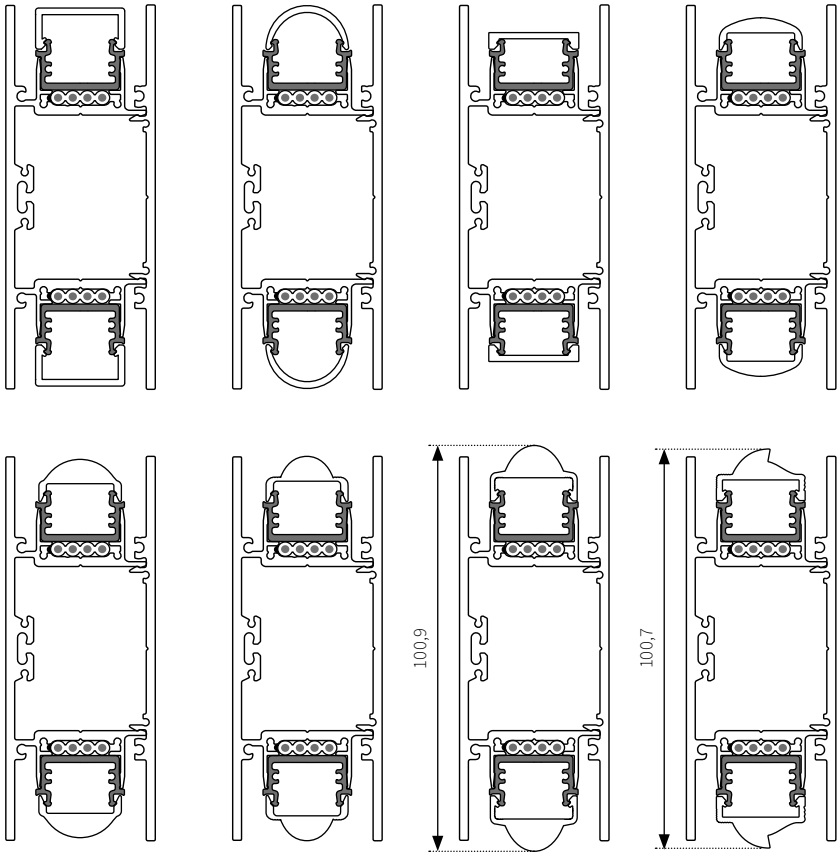
NP mounting profiles

▼

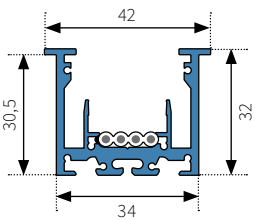


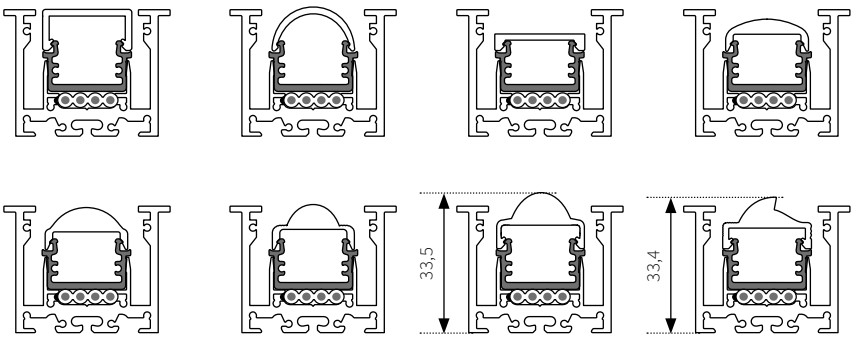
NP-H1 / H2





NP-R1





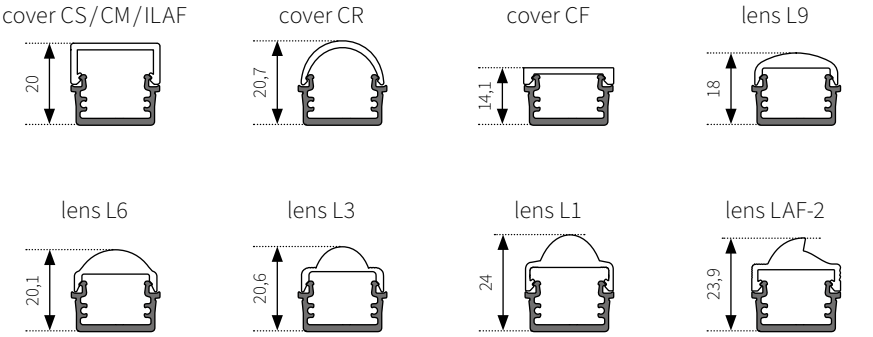
Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

overview dimensions and installation dimensions with base profile G1

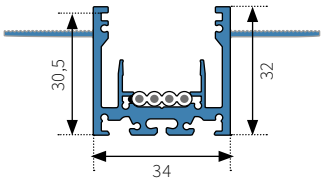
covers and lenses ►

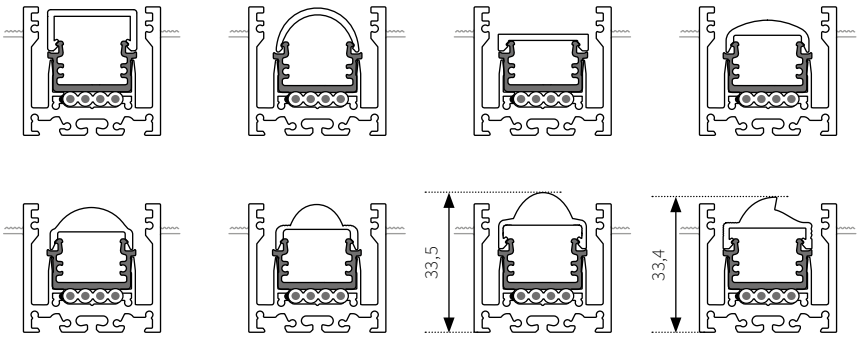
NP mounting profiles

▼

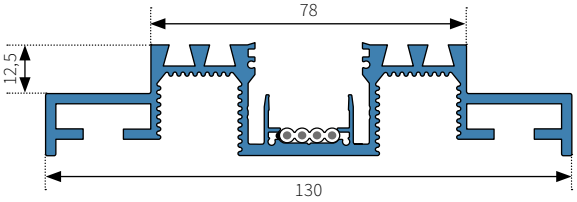


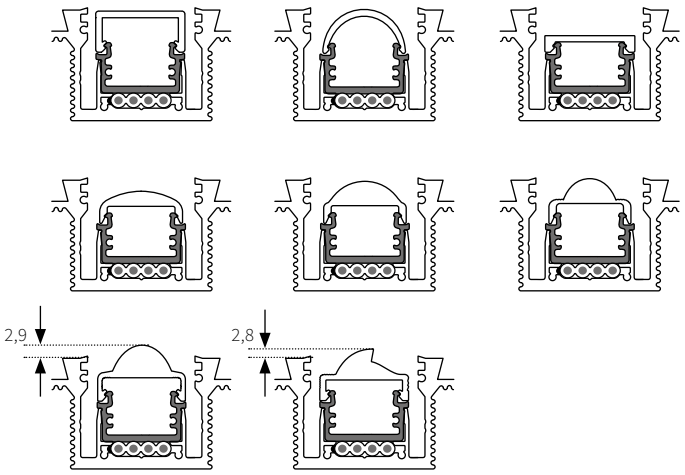
NP-R2 / R4



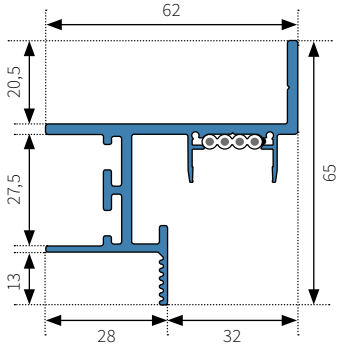


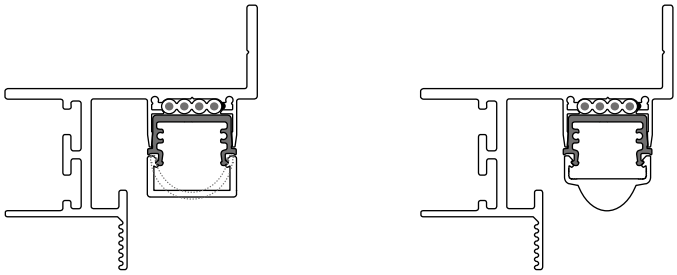
NP-R3





NP-R5





Alle Maßangaben in mm.

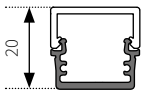
All dimensions in mm

Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

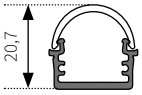
overview dimensions and installation dimensions with base profile G1

covers and lenses ►

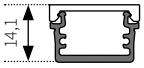
cover CS / CM / ILAF



cover CR



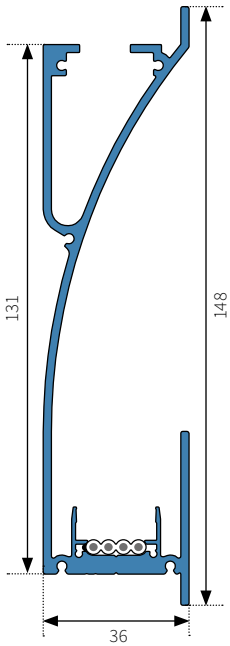
cover CF

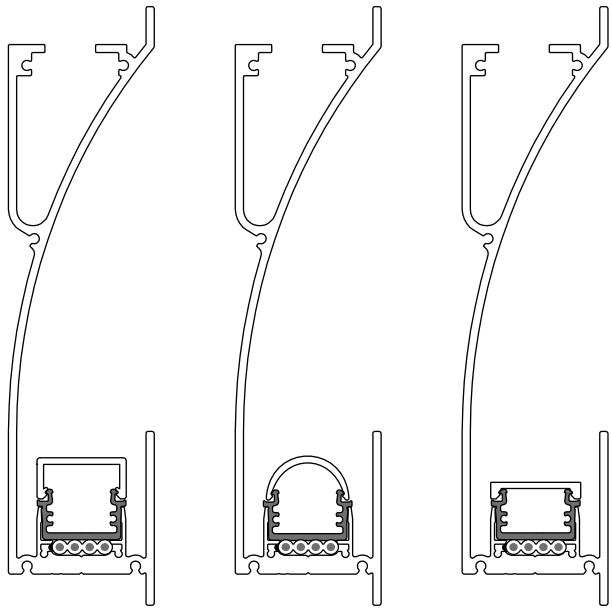


NP mounting profiles

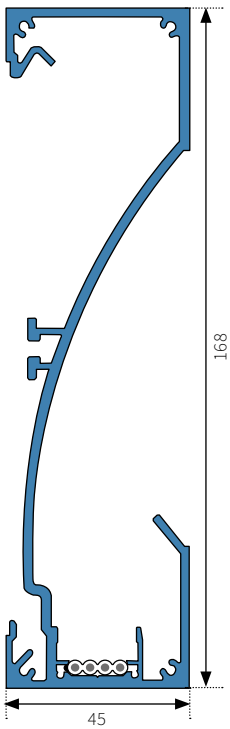
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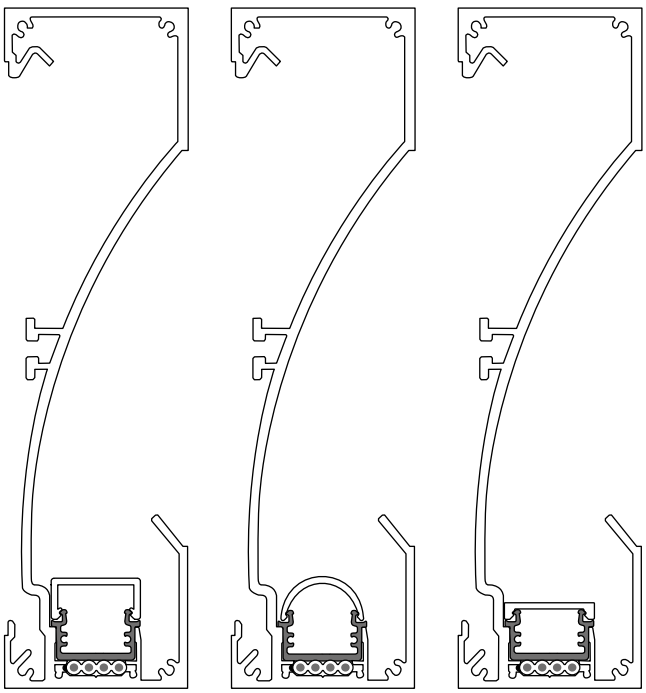
NP-I1





NP-I2





Alle Maßangaben in mm.

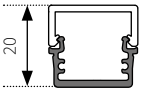
All dimensions in mm

Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

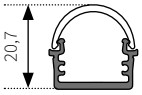
overview dimensions and installation dimensions with base profile G1

covers and lenses ►

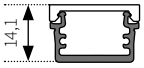
cover CS/CM/ILAF



cover CR



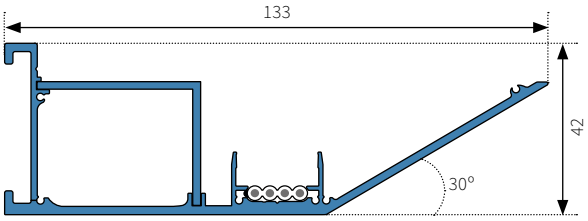
cover CF

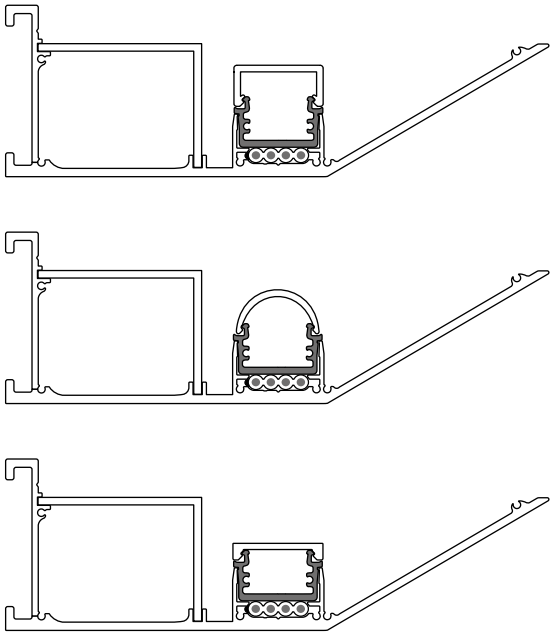


NP mounting profiles

▼

NP-W1





Alle Maßangaben in mm.

All dimensions in mm

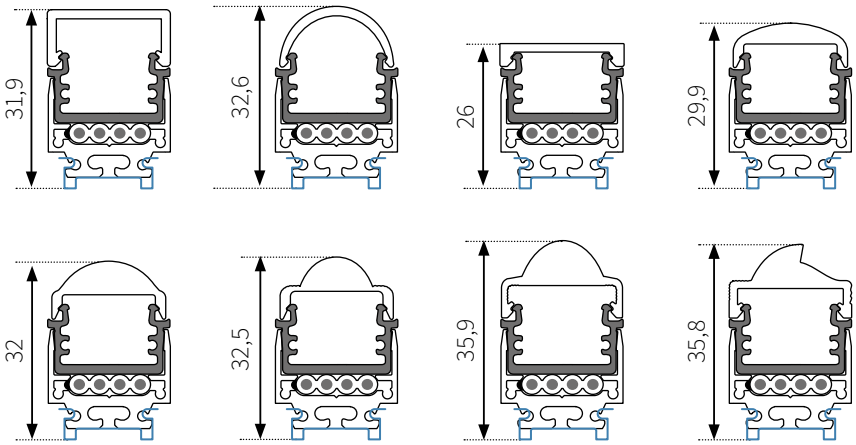
Übersicht Abmessungen und Einbaumaße NP-S2 mit Montageclips mit dem Basisprofil G1

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

FL/SCLIP-0/0

Federclip 0°

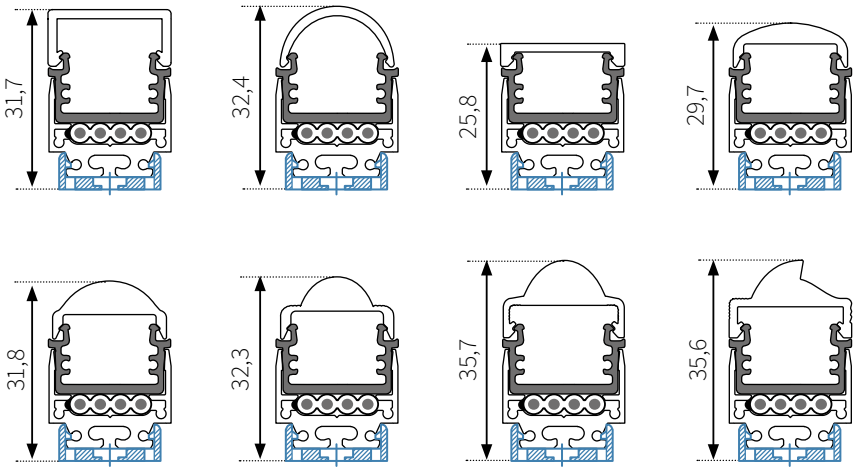
spring clip 0°



FL/CLIP-0/0

Montageclip 0°, ohne Zapfen gegen Gleiten

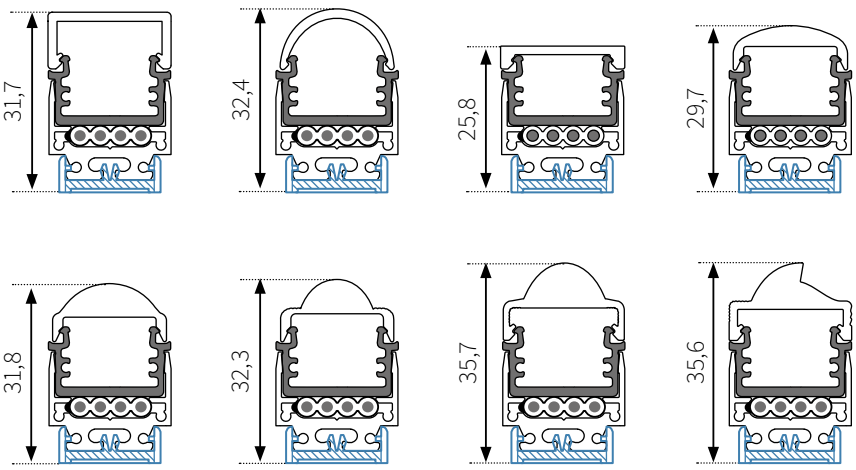
mounting clip 0°, without stud to prevent sliding



FL/CLIP-1/0

Montageclip 0°, mit Zapfen gegen Gleiten

mounting clip 0°, with stud to prevent sliding



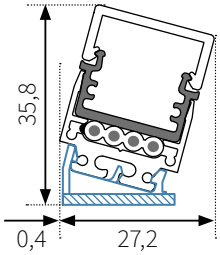
Übersicht Abmessungen und Einbaumaße NP-S2 mit Montageclips mit dem Basisprofil G1

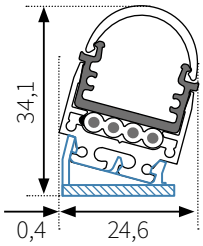
overview dimensions and installation dimensions NP-S2 with mounting clips with base profile G1

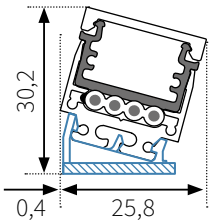
FL/CLIP-1/15

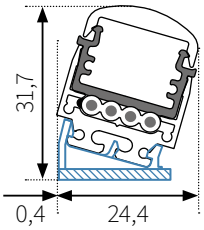
Montageclip 15°, mit Zapfen gegen Gleiten

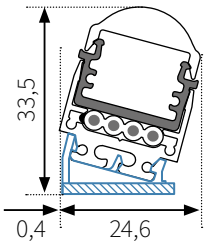
mounting clip 15°, with stud to prevent sliding

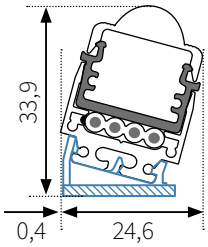


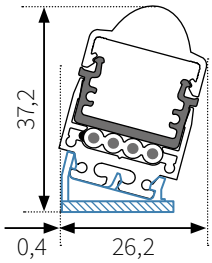


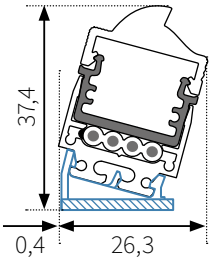








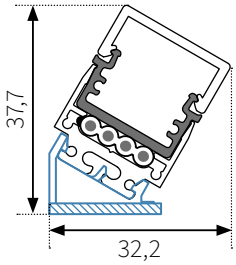


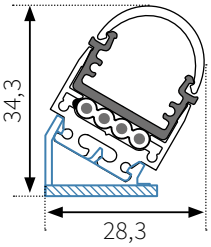


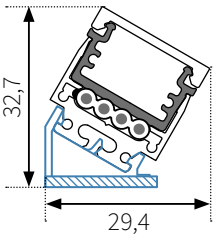
FL/CLIP-1/30

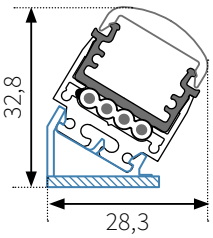
Montageclip 30°, mit Zapfen gegen Gleiten

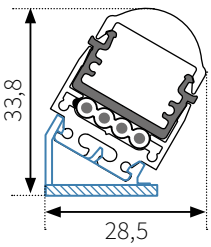
mounting clip 30°, with stud to prevent sliding

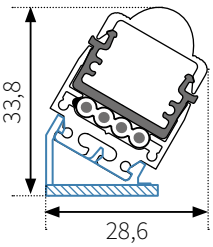


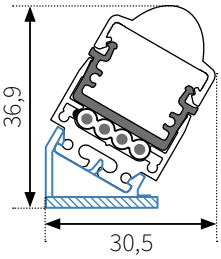


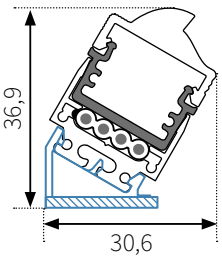












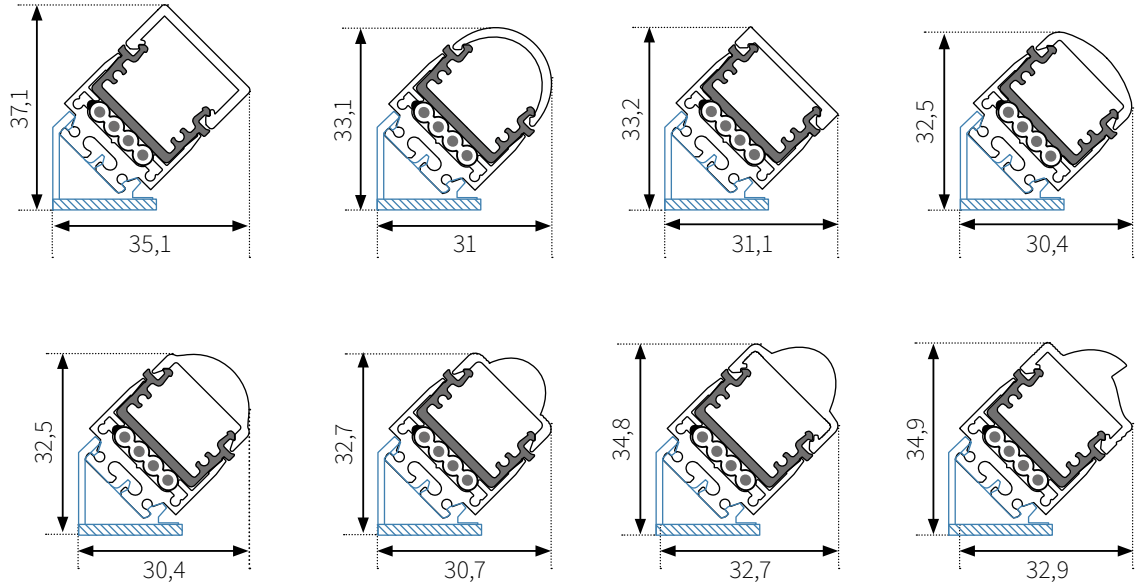
Übersicht Abmessungen und Einbaumaße NP-S2 mit Montageclips mit dem Basisprofil G1

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

FL/CLIP-1/45

Montageclip 45°, mit Zapfen gegen Gleiten

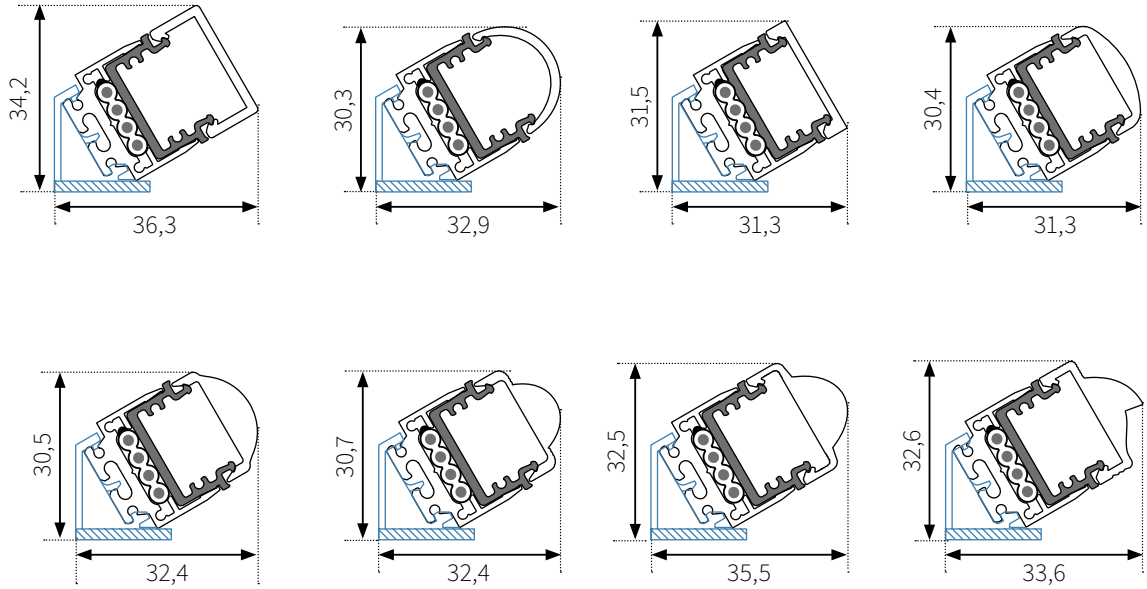
mounting clip 45°, with stud to prevent sliding



FL/CLIP-1/60

Montageclip 60°, mit Zapfen gegen Gleiten

mounting clip 60°, with stud to prevent sliding



Allgemeine Geschäftsbedingungen

general terms and conditions

Unsere Allgemeinen Geschäftsbedingungen sind auf unserer Internetseite unter folgender Adresse zu finden:
https://flashaar.de/agb/

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

Bestellinformationen

ordering information

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

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

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
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

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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