



FLASHAAR



## NP Focus-3 4CH



DATENBLATT  
DATASHEET

MADE IN GERMANY

FLASHAAR® – Wir machen Licht.

FLASHAAR® – We create light.

# NP Focus-3 4CH



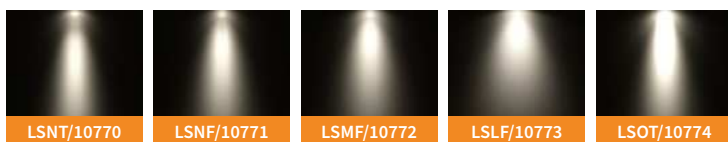
3028 lm/m\* | CRI > 90 | 2700 K + RGB



effektvolles Lichtspiel  
an Fassaden, auf Bühnen  
und Ausstellungsflächen  
effective play of light  
on facades, on stages and  
exhibition areas

Kabel 8x0,25 BK, als Standard an NP Focus-3 konfektioniert, 2m, 5-polig, offenes Ende  
cable 8 x 0.25 BK, assembled to NP Focus-3 as standard, 2m, 5-pin, open end

ALA (Standard)  
alu anodized E6EV1



typ.  
350mA

6m  
535g

-20  
+35

IP40

characteristics

SPWM  
dimming

dimming

IP65

IK10

RAL  
optional

optional



mounting



## Gerichtete Lichteffekte in RGBW Regular lighting effect in RGBW

Lichtstarke LEDs in wahlweise R, G, B und unterschiedlichen Weißtönen ermöglichen mit dem Leuchteneinsatz **NauticProfil® Focus-3 4CH** effektvolle Inszenierungen für Schaufenster, Bühnen und Fassaden. Auch das NP Focus-3 4CH arbeitet mit Konstantstromtechnologie und zeichnet sich durch niedrige Eigenerwärmung, hohe Effizienz und lange Lebensdauer aus. Verschiedene Konfigurationen mit unterschiedlichen LEDs und Linsen ermöglichen eine Vielzahl an Einsatzmöglichkeiten.

With the **NauticProfil® Focus-3 4CH** luminaire insert, high-intensity LEDs in the colours R, G, B and various shades of white enable effective staging of shop windows, stages and facades.

The NP Focus-3 4CH also works with constant current technology and is characterised by high efficiencies, long life spans and by the fact that it generates little heat. Various configurations with different LEDs and lenses allow for various applications.



\* 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.



Bestellnummer  
item number

NP/F4C/G1/27C / F4C/G1/ 0103 / G1/ ALA / XXR / XXG / XXB / 927 / LSNT/10770 / CRT

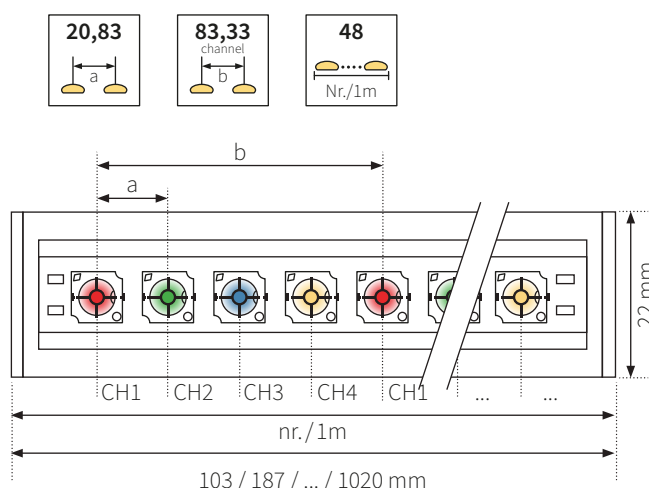
CH1 CH2 CH3 CH4

## Technische Daten technical data

Sonderbestückung der Kanäle in verschiedenen Lichtfarben auf Anfrage möglich.  
Special equipment of the channels in different light colours possible on request.

nominal current: typ. 350 mA (max. 700 mA)  
nominal wattage, white: depending on light colour per channel,  
e.g. RGBW 26,88 W/m with DALI DT8 dimmer  
photometric code: 927/339 (for white) + RGB  
LED service life: L80/B10 > 72 000 h  
L90/B10 > 34 000 h  
dimmmable: CC pulse width modulation (CC PWM)  
length dividing matrix: 83,33 mm  
LED pitch: 20,83 mm (inside group),  
83,33 mm (between channels)  
48 LEDs/m

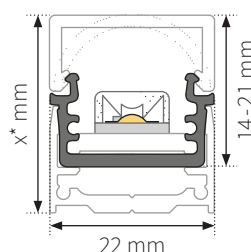
⚠ Alle optischen und elektrischen Daten haben eine Toleranz von +/-10%  
All optical and electrical data have a tolerance of +/-10%



## 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), Maße ab S.9

\*Luminaire height depending on mounting profile (21-168 mm), scale from p.9

## Übersicht Standardlängen & Wattagen overview standard lengths & wattages

(350 mA)

IP40,IP65						
Product-Nr.	L (mm)*	C1 red	C2 green	C3 blue	C4 white	total
NP/F4C/G1/27C/F4C/G1/0103/G1/ALA/##R/###G/###B/927/...	0103	0,76 W	1,13 W	1,10 W	1,07 W	4,06 W
NP/F4C/G1/27C/F4C/G1/0187/G1/ALA/##R/###G/###B/927/...	0187	1,52 W	2,26 W	2,20 W	2,14 W	8,12 W
NP/F4C/G1/27C/F4C/G1/0270/G1/ALA/##R/###G/###B/927/...	0270	2,28 W	3,39 W	3,30 W	3,21 W	12,18 W
NP/F4C/G1/27C/F4C/G1/0353/G1/ALA/##R/###G/###B/927/...	0353	3,04 W	4,52 W	4,40 W	4,28 W	16,24 W
NP/F4C/G1/27C/F4C/G1/0437/G1/ALA/##R/###G/###B/927/...	0437	3,80 W	5,65 W	5,50 W	5,35 W	20,30 W
NP/F4C/G1/27C/F4C/G1/0520/G1/ALA/##R/###G/###B/927/...	0520	4,56 W	7,78 W	6,60 W	6,42 W	24,36 W
NP/F4C/G1/27C/F4C/G1/0603/G1/ALA/##R/###G/###B/927/...	0603	5,32 W	7,91 W	7,70 W	7,49 W	28,42 W
NP/F4C/G1/27C/F4C/G1/0686/G1/ALA/##R/###G/###B/927/...	0686	6,08 W	9,04 W	8,80 W	8,56 W	32,48 W
NP/F4C/G1/27C/F4C/G1/0770/G1/ALA/##R/###G/###B/927/...	0770	6,84 W	10,17 W	9,90 W	9,63 W	36,54 W
NP/F4C/G1/27C/F4C/G1/0853/G1/ALA/##R/###G/###B/927/...	0853	7,60 W	11,30 W	11,00 W	10,70 W	40,60 W
NP/F4C/G1/27C/F4C/G1/0936/G1/ALA/##R/###G/###B/927/...	0936	8,36 W	12,43 W	12,10 W	11,77 W	44,66 W
NP/F4C/G1/27C/F4C/G1/1020/G1/ALA/##R/###G/###B/927/...	1020	9,12 W	13,56 W	13,20 W	12,84 W	48,72 W

⚠ Aus thermischen Gründen beträgt die zulässige Leistung aller Kanäle 25 W/m, wenn auch die nominelle, elektronische Gesamtleistung 48,72 W/m ist.

Wir empfehlen zum Betrieb des Leuchteneinsatzes einen Lunatone DALI DT8 4-Kanal Dimmer 700 mA.

For thermal reasons, the permissible power of all channels is 25 W/m, although the nominal total electronic power is 48.72 W / m.


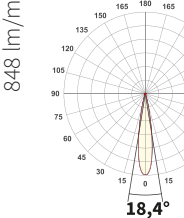
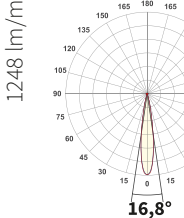
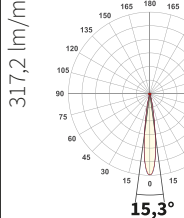
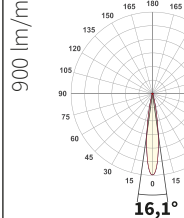

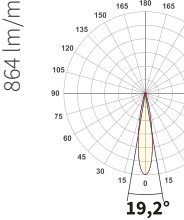
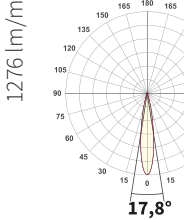
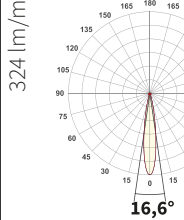
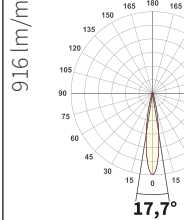

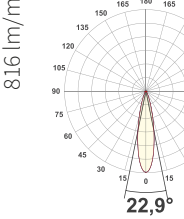
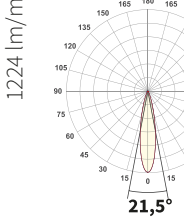
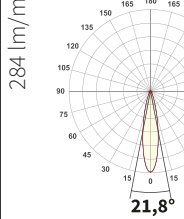
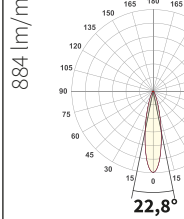

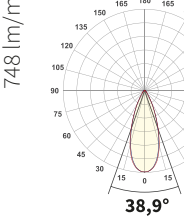
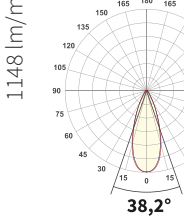
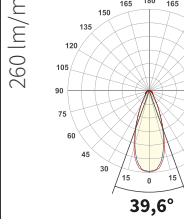
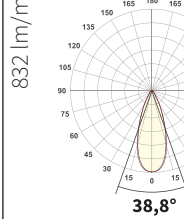

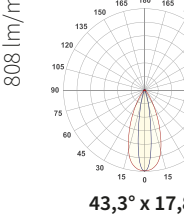
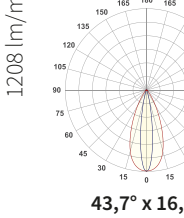
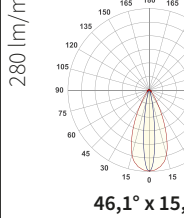
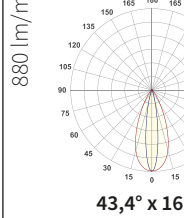
We recommend a Lunatone DALI DT8 4-channel dimmer 700mA for operating the luminaire insert.

Unsere Empfehlung: Dimmer: 89453855-350 DT6 oder 68458912-700 DT8 / Konverter LT60-48

Our Recommendation: Dimmer: 89453855-350 DT6 or 68458912-700 DT8 / Converter LT60-48

\* Länge der Leuchteneinsätze im Innenbereich und Außenbereich (IP65) von 103 mm (nominal 4,06W) bis max. 1020 mm (nominal 48,72W), Teilungsraster ist 83,3 mm.

Light inserts for indoor and outdoor (IP65) use from 103 mm long (nominal 4,06W) up to a maximum length of 1020 mm (nominal 48,72W). The grid uses 83,3 mm increments.

Präzisionslinse precision lense	Lichtverteilungskurve light distribution curve <b>Kanal 1 Rot</b> channel 1 red	Lichtverteilungskurve light distribution curve <b>Kanal 2 Grün</b> channel 2 green	Lichtverteilungskurve light distribution curve <b>Kanal 3 Blau</b> channel 3 blue	Lichtverteilungskurve light distribution curve <b>Kanal 4 Weiß</b> channel 4 white
 <b>LSNT/10770</b> precision lens symmetric narrow transparent 16°	 848 lm/m 18,4°	 1248 lm/m 16,8°	 317,2 lm/m 15,3°	 900 lm/m 16,1°
 <b>LSNF/10771</b> precision lens symmetric narrow frosted 18°	 864 lm/m 19,2°	 1276 lm/m 17,8°	 324 lm/m 16,6°	 916 lm/m 17,7°
 <b>LSMF/10772</b> precision lens symmetric medium frosted 22°	 816 lm/m 22,9°	 1224 lm/m 21,5°	 284 lm/m 21,8°	 884 lm/m 22,8°
 <b>LSLF/10773</b> precision lens symmetric large frosted 40°	 748 lm/m 38,9°	 1148 lm/m 38,2°	 260 lm/m 39,6°	 832 lm/m 38,8°
 <b>LSOT/10774</b> precision lens symmetric oval transparent 42° x 18°	 808 lm/m 43,3° x 17,8°	 1208 lm/m 43,7° x 16,6°	 280 lm/m 46,1° x 15,5°	 880 lm/m 43,4° x 16,9°

— 0/180°  
— 90/270°

EPREL Daten:



2700 K



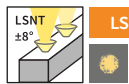
2200-6500 K



2700-4000 K

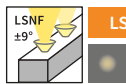
Alle lichttechnischen Daten – vermessen im FLASHAAR® Lichtlabor – finden Sie unter [flashaar.de](http://flashaar.de) im Download-Bereich.  
Alle optischen und elektrischen Daten haben eine Toleranz von +/- 10%.  
All photometric data – measured in FLASHAAR's light laboratory – available at [flashaar.de/en](http://flashaar.de/en) in the download area.  
All optical and electrical data have a tolerance of +/- 10%.

## Linsen lenses



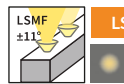
LSNT/10770

precision lens  
symmetric  
narrow transparent  
16°



LSNF/10771

precision lens  
symmetric  
narrow frosted  
18°



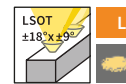
LSMF/10772

precision lens  
symmetric  
medium frosted  
22°



LSLF/10773

precision lens  
symmetric  
large frosted  
40°



LSOT/10774

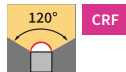
precision lens  
symmetric oval  
transparent  
42° x 18°

## Abdeckung / Farbe cover / colour



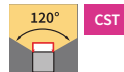
CRT

cover round  
transparent



CRF

cover round  
frosted



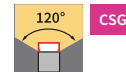
CST

cover square  
transparent



CSF

cover square  
frosted



CSG

cover square  
grey

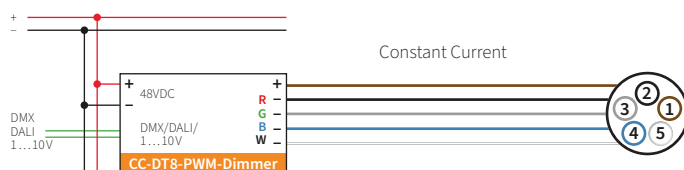
## Verdrahtungsschemata wiring diagrams

D/CC/4/700/DALI-DT8

Version mit max. 700 mA Konstantstrom pro Kanal, DALI DT8 Dimmung  
version with max. 700 mA constant current per channel DT8 dimming

Kabel 8 x 0,25 BK, als Standard an Solaris konfektioniert, 2m, 5-polig, offenes Ende  
cable 8 x 0.25 BK, assembled to Solaris as standard, 2m, 5-pin, open end

24/48 VDC

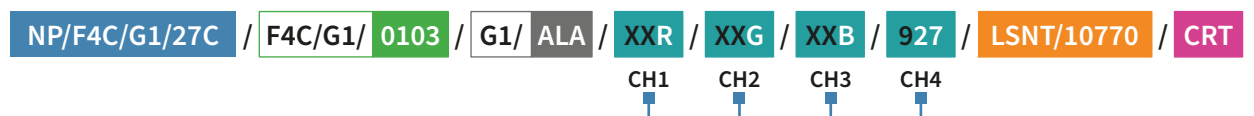


- |                 |                 |
|-----------------|-----------------|
| 1 braun/brown   | + VDC           |
| 2 schwarz/black | -CH1 rot/red    |
| 3 grau/grey     | -CH2 grün/green |
| 4 blau/blue     | -CH3 blau/blue  |
| 5 weiß/white    | -CH4 weiß/white |

**Achtung!** Beachten Sie die Unterlagen der anzuschließenden Leuchte zum zulässigen Konstantstrom und der zulässigen Gesamtleistung.  
**Attention!** Observe the documents of the luminaire to be connected regarding the permissible constant current and the permissible total power.



## Konfigurationen 4CH configurations 4CH



Typ type	CH1 I=350 mA	CH2 I=350 mA	CH3 I=350 mA	CH4 I=350 mA
4CH, RGB + 840	red 620-630 nm 672 lm/m	green 520-525 nm 1212 lm/m	royal blue 620-630 nm 250 lm/m	4000 K, CRI > 80 1408 lm/m
	<b>XXR</b>	<b>XXG</b>	<b>XXB</b>	<b>840</b>
4CH, RGB + 927	red 620-630 nm 672 lm/m	green 520-525 nm 1212 lm/m	royal blue 620-630 nm 250 lm/m	2700 K, CRI > 90 912 lm/m
	<b>XXR</b>	<b>XXG</b>	<b>XXB</b>	<b>927</b>
4CH, 822 + 930	2200 K, CRI > 80 832 lm/m	3000 K, CRI > 90 996 lm/m	2200 K, CRI > 80 832 lm/m	3000 K, CRI > 90 996 lm/m
	<b>822</b>	<b>930</b>	<b>822</b>	<b>930</b>
4CH, 927 + 840	2700 K, CRI > 90 912 lm/m	4000 K, CRI > 80 1408 lm/m	2700 K, CRI > 90 912 lm/m	4000 K, CRI > 80 1408 lm/m
	<b>927</b>	<b>840</b>	<b>927</b>	<b>840</b>

Konfigurationen für eine Leuchte mit 270 mm Länge, RGB + 4000 K, symmetrischer Linse schmal 8° transparent.  
Configurations for a luminaire with 270 mm length, RGB + 4000 K, symmetrical lens narrow 8° transparent.

Bei Bestellungen die Artikelnummer um die gewünschte Lichtfarben, Linse und Gehäusefarbe ergänzen.  
When ordering please complete the item number with the desired light colour, lens type and housing colour.

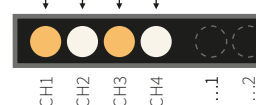
Beispiel Art.Nr für NP Focus 4CH RGBW  
example item nr. for NP Focus 4CH RGBW

.../XXR XXG XXB 927/###



Beispiel Art.Nr. für NP Focus 4CH mit Kelvinshifting 2200 + 3000 K  
example item nr. NP Focus 4CH with Kelvinshifting 2200 + 3000 K

.../822 930 822 930/###







## Sonderausführung Focus-3 4CH e-Zoom special version Focus-3 4CH e-Zoom

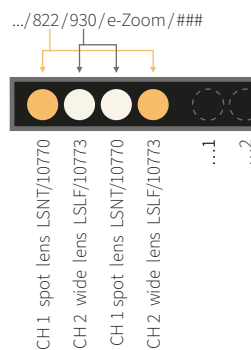
NP/F4C/G1/27C / F4C/G1/ 0103 / G1/ ALA / 822 / 840 / e-Zoom / CRT  
CH1&4 CH2&3

Die NP Focus-3 4CH **e-Zoom** ist eine Sonderausführung, bei der die vier Kanäle abwechselnd mit einer 16° Spotlinse LSNT/10770 und einer 40° Breit-Linse LSLF/10773 bestückt sind. Durch gezielte Ansteuerung dieser Kanäle kann die Leuchte elektronisch Zoomen und Sie den Abstrahlwinkel per Steuerung ändern. Da die 4 Kanäle auf die zwei Linsen aufgeteilt sind, macht die farbige Bestückung nur als monochromatische oder 2-kanalige Ausführung Sinn.

The NP Focus-3 4CH **e-Zoom** is a special edition in which the four channels are alternately equipped with a 16° spot lens LSNT/10770 and a 40° wide lens LSLF/10773. Through targeted control of these channels, the luminaire can zoom electronically and you can change the beam angle through the control. Since the 4 channels are divided between the two lenses, the color arrangement only makes sense as a monochromatic or 2-channel version.

Typ type	CH 1&4*	CH 2&3*
4CH, 822 + 930	2200 K, CRI > 80, 832lm/m	3000 K, CRI > 90, 996lm/m
	8 2 2	9 3 0
4CH, 927 + 840	2700 K, CRI > 90, 912lm/m	4000 K, CRI > 80, 1408lm/m
	9 2 7	8 4 0
4CH, 927	2700 K, CRI > 90, 912lm/m	2700 K, CRI > 90, 912lm/m
	9 2 7	9 2 7
4CH, 840	4000 K, CRI > 80, 1408lm/m	4000 K, CRI > 80, 1408lm/m
	8 4 0	8 4 0

Beispiel Art.Nr. für Focus-3 4CH e-Zoom  
mit Kelvinshifting 2200 + 3000 K  
example Item Nr. Focus-3 4CH e-Zoom  
with kelvinshifting 2200 + 3000 K



Bei Bestellungen die Artikelnummer um die gewünschte Lichtfarbe und Gehäusefarbe ergänzen, sowie um den Bestellvermerk „**e-Zoom**“.

When ordering please complete the item number with the desired light colour and housing colour type, as well as the order note „**e-Zoom**“.

\* Beispiele, beliebige Zweier-Kombinationen der Farben XXR, XXG, XXB, 822, 927, 939, 840 möglich, Werte siehe Konfigurationen 4Channel.  
Examples, any combinations of two colors XXR, XXG, XXB, 822, 927, 939, 840 possible, for values see configurations 4Channel.

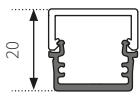
Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1  
overview dimensions and installation dimensions with base profile G1

covers and lenses ▶

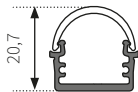


NP mounting profiles ▼

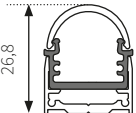
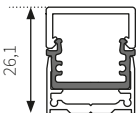
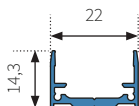
cover CS



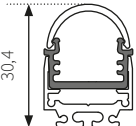
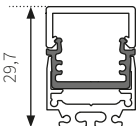
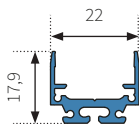
cover CR



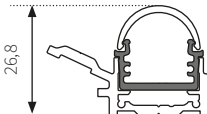
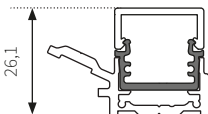
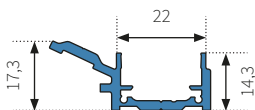
NP S1



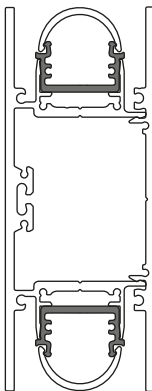
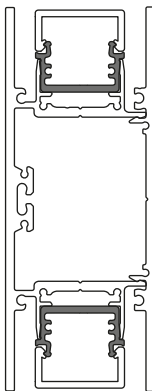
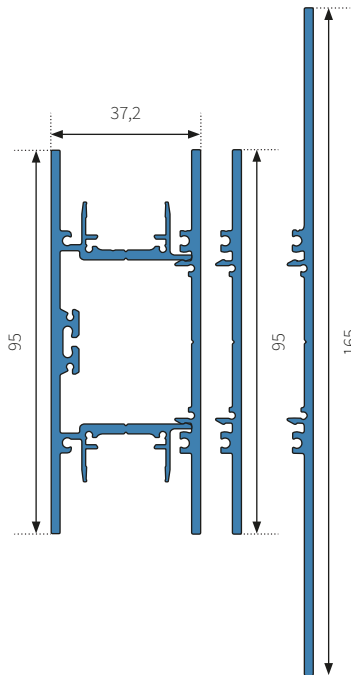
NP S2



NP S3



NP H1/H2





## Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

overview dimensions and installation dimensions with base profile G1

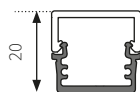
covers and lenses ▶



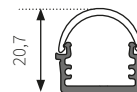
NP mounting profiles



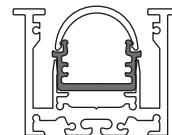
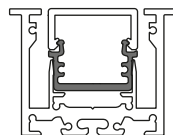
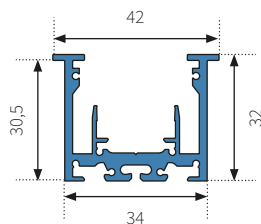
cover CS



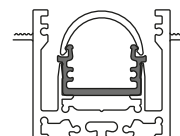
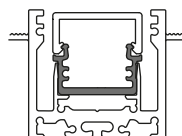
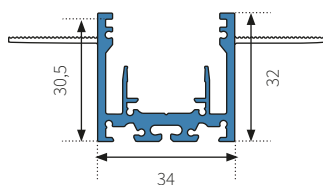
cover CR



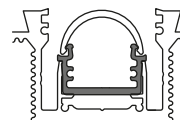
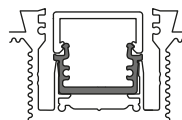
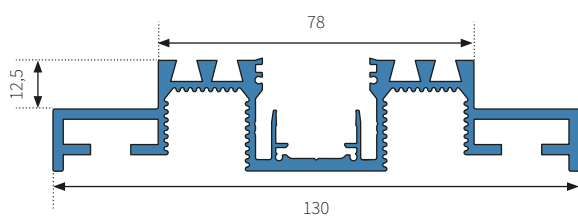
NP R1



NP R2/R4



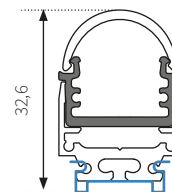
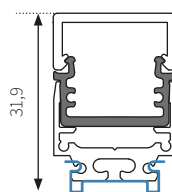
NP R3



## 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

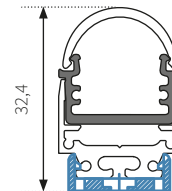
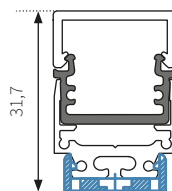
### FL/SCLIP-0/0

Federclip 0°  
spring clip 0°



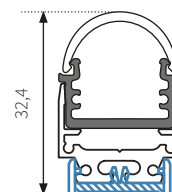
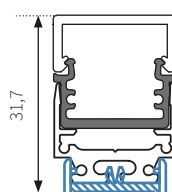
### FL/CLIP-0/0

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



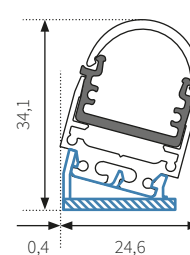
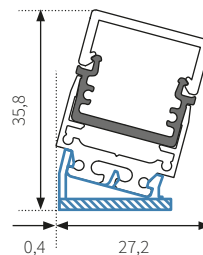
### FL/CLIP-1/0

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



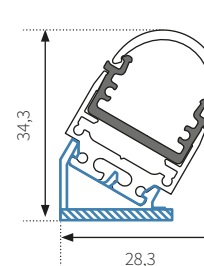
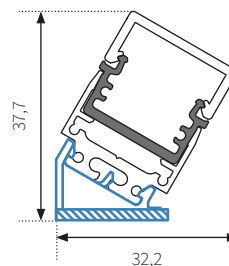
### FL/CLIP-1/15

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



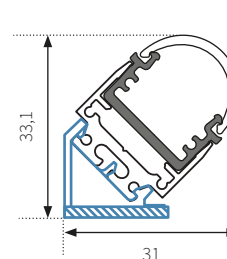
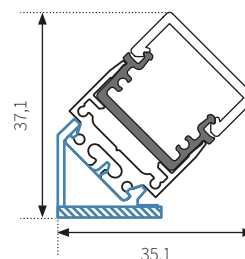
### FL/CLIP-1/30

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



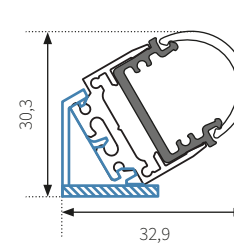
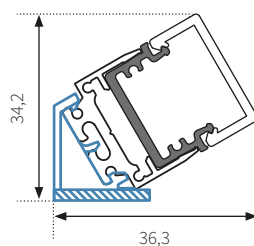
### FL/CLIP-1/45

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/agb/>

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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](mailto: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.

## delivery information

### 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  
[order@ledlight.flashaar.com](mailto:order@ledlight.flashaar.com)  
<https://flashaar.de/en>

### indicative value of shipping costs

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

## Ausgabe

### Stand: KW 24, 2025

Druckfehler, Irrtum und technische Änderungen sind vorbehalten.

## edition

### last status: week 24, 2025

Technical changes, errors and printing mistakes are reserved.