



NP Focus-3 4CH Darklight

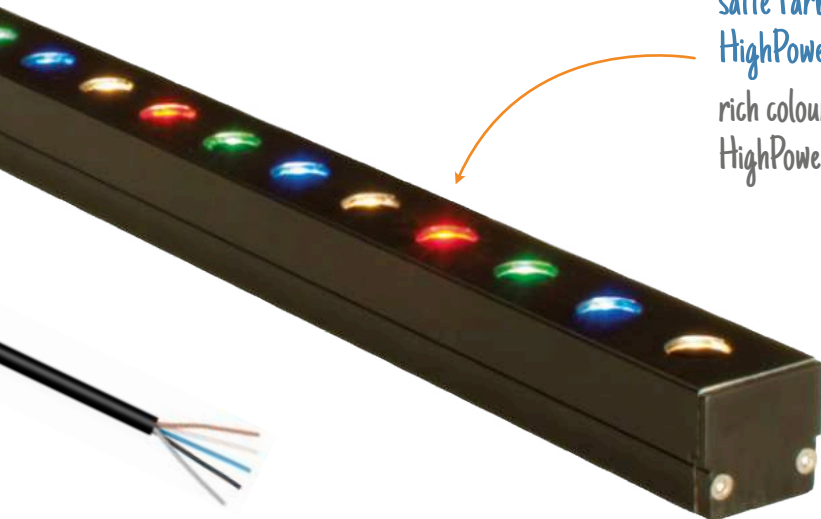


DATENBLATT
DATASHEET

NP Focus-3 4CH Darklight



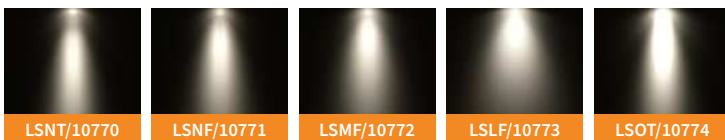
3028 lm/m* | CRI > 90 | 2700 K+ RGB



satte Farben, dank
HighPower LEDs
rich colours, thanks to
HighPowerLEDs

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

8m
475g

-20
+35

IP40

characteristics

SPWM
dimmable

dimming

IK10

RAL
optional

optional



mounting



RGBW Lichteffekte ohne Blendung RGBW light effects without glare

Lichteffekte sind mit dem Leuchteneinsatz **NauticProfil® Focus-3 4CH Darklight** nur auf der Beleuchtungsfläche wahrnehmbar – die LEDs selbst bleiben nahezu blendfrei hinter dem Cover aus hochwertigem Aluminium verborgen. Die HighPowerLEDs sorgen für ausreichend Helligkeit und satte Farben.

Auch für Installationsorte mit langen Zuleitungen ist der Leuchteneinsatz, der mit einem Konstantstrom von typ. 350 mA betrieben wird, perfekt geeignet.

With the **NauticProfil® Focus-3 4CH Darklight** luminaire insert, lighting effects are only perceptible on the lighting surface – the LEDs themselves remain concealed almost glare-free behind the cover made of high-quality aluminium.

The high-power LEDs deliver sufficient brightness and rich colours. The light insert, which is operated with a constant current of typ. 350 mA, is also perfectly suited for installation locations that are associated with long feed lines.



UGR<19

* Alle Angaben zum Lumenstrom beziehen sich auf das Leuchtmedium. 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/DL/F4C/G1/27C

/ DL/F4C/G1/

0103

/ G1/ ALA

/ XXR

/ XXG

/ XXB

/ 927

/ LSNT/10770

/ BA

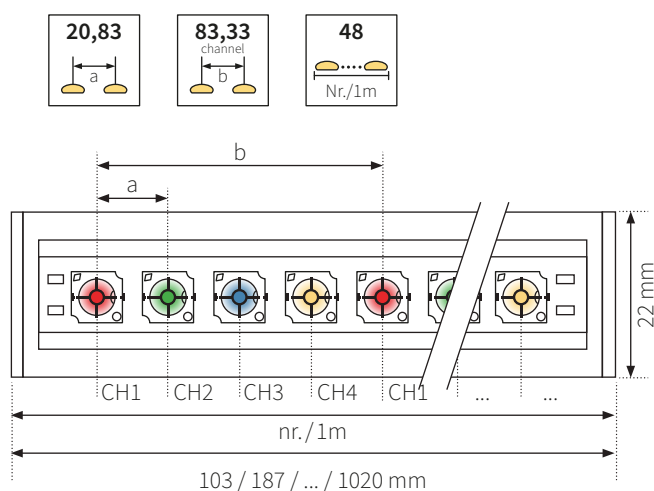
CH1 CH2 CH3 CH4

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 > 92 000 h
L90/B10 > 46 000 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%



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/DL/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/DL/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/DL/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/DL/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/DL/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/DL/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/DL/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/DL/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/DL/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/DL/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/DL/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/DL/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.


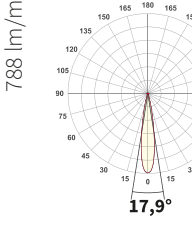
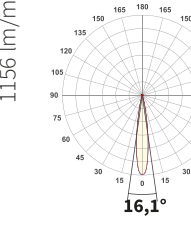
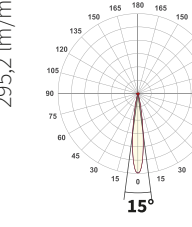
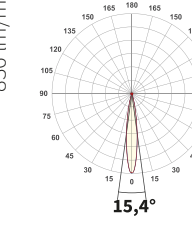

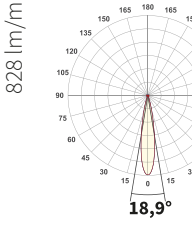
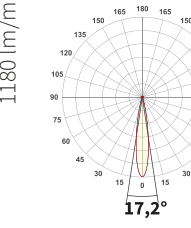
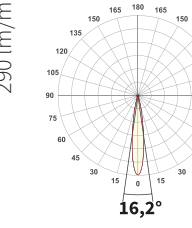
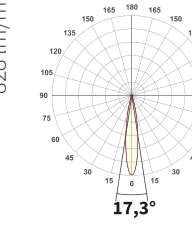

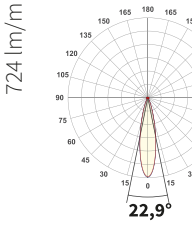
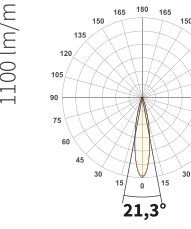
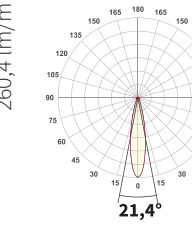
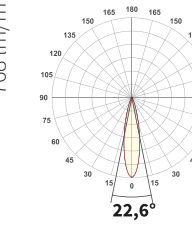

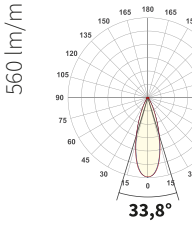
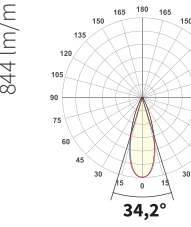
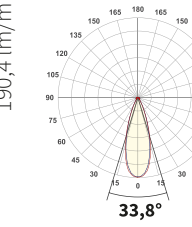
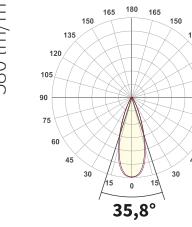

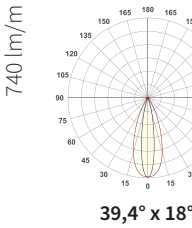
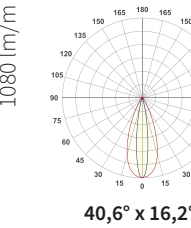
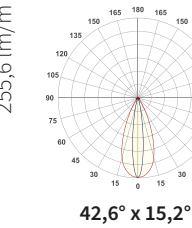
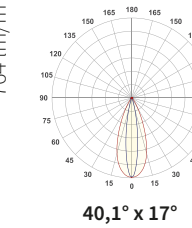
We recommend a Lunatone DALI DT8 4-channel dimmer 700 mA for operating the luminaire insert.

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 von 103 mm (nominal 4,06 W) bis max. 1020 mm (nominal 48,72 W), Teilungsraster ist 83,3 mm.

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

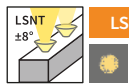
Präzisionslinse precision lense	Lichtverteilungskurve light distribution curve Kanal 1 Rot channel 1 red	Lichtverteilungskurve light distribution curve Kanal 2 Grün channel 2 green	Lichtverteilungskurve light distribution curve Kanal 3 Blau channel 3 blue	Lichtverteilungskurve light distribution curve Kanal 4 Weiß channel 4 white
 LSNT/10770 precision lens symmetric narrow transparent 16°	788 lm/m  17,9°	1156 lm/m  16,1°	295,2 lm/m  15°	836 lm/m  15,4°
 LSNF/10771 precision lens symmetric narrow frosted 18°	828 lm/m  18,9°	1180 lm/m  17,2°	290 lm/m  16,2°	828 lm/m  17,3°
 LSMF/10772 precision lens symmetric medium frosted 22°	724 lm/m  22,9°	1100 lm/m  21,3°	260,4 lm/m  21,4°	768 lm/m  22,6°
 LSLF/10773 precision lens symmetric large frosted 40°	560 lm/m  33,8°	844 lm/m  34,2°	190,4 lm/m  33,8°	580 lm/m  35,8°
 LSOT/10774 precision lens symmetric oval transparent 42° x 18°	740 lm/m  39,4° x 18°	1080 lm/m  40,6° x 16,2°	255,6 lm/m  42,6° x 15,2°	764 lm/m  40,1° x 17°

— 0/180°
— 90/270°

UGR < 19

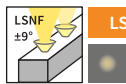


Linsen lenses



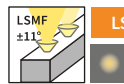
LSNT/10770

precision lens
symmetric
narrow transparent
16°



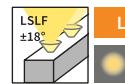
LSNF/10771

precision lens
symmetric
narrow frosted
18°



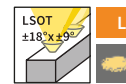
LSMF/10772

precision lens
symmetric
medium frosted
22°



LSLF/10773

precision lens
symmetric
large frosted
40°



LSOT/10774

precision lens
symmetric oval
transparent
42° x 18°

Gehäusefarben* housing colours*

Die Focus-3 4CH Darklight ist wahlweise
in folgenden Gehäusefarben erhältlich:
The Focus-3 4CH Darklight is available in
the following housing colours:



ALA

alu anodized (standard)
E6EV1



BA

black anodized
E6C14



TWP

RAL9016 traffic white
fine structure
(powdered)

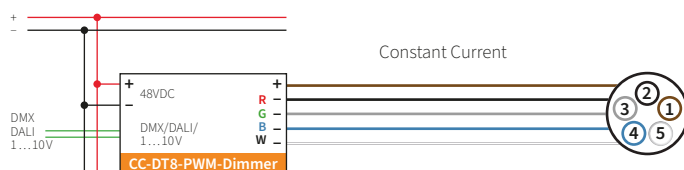
Verdrahtungsschemata wiring diagrams

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 8x0,25 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 Darklight configurations 4CH Darklight



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
	XXR	XXG	XXB	840
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
	XXR	XXG	XXB	927
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
	822	930	822	930
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
	927	840	927	840

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.

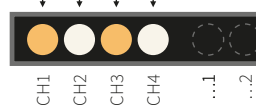
Beispiel Art.Nr für NP Focus 4CH RGBW
example item nr. for NP Focus 4CH RGBW

.../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 Darklight e-Zoom special version Focus-3 4CH Darklight e-Zoom

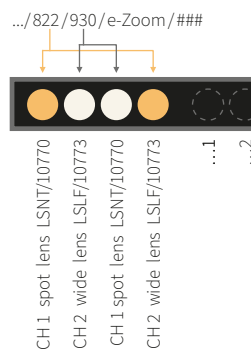
NP/DL/F4C/G1/27C / DL/F4C/G1/ 0103 / G1/ ALA / 822 / 840 / e-Zoom / BA
CH1&4 CH2&3

Die NP Focus-3 4CH DL **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 DL **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 Darklite e-Zoom
mit Kelvinshifting 2200 + 3000 K
example Item Nr. Focus-3 4CH Darklite 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

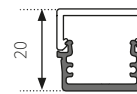
overview dimensions and installation dimensions with base profile G1

covers and lenses ▶

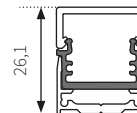
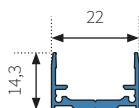


NP mounting profiles ▼

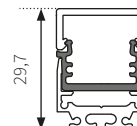
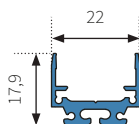
cover CS



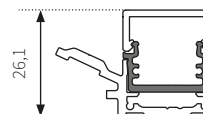
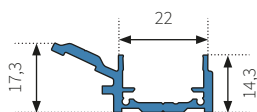
NP S1



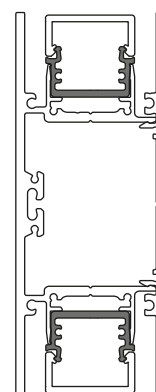
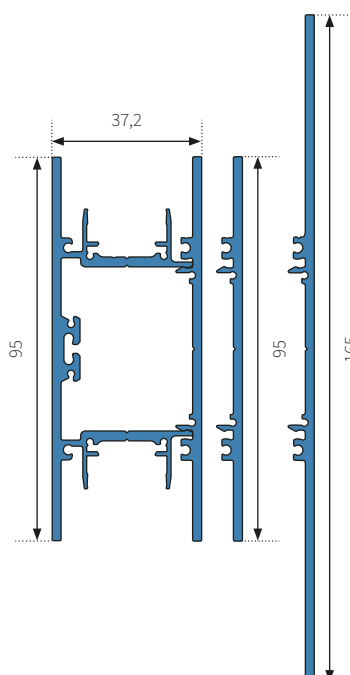
NP S2



NP S3



NP H1/H2



Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

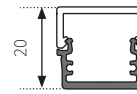
overview dimensions and installation dimensions with base profile G1

covers and lenses ▶

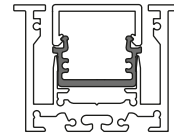
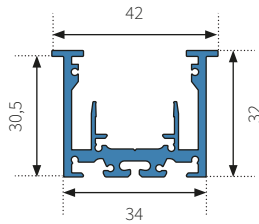


NP mounting profiles ▼

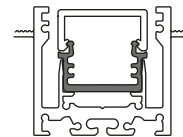
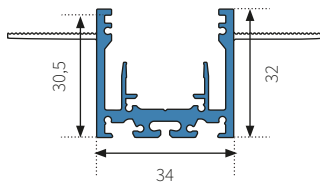
cover CS



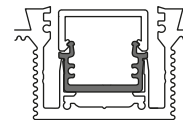
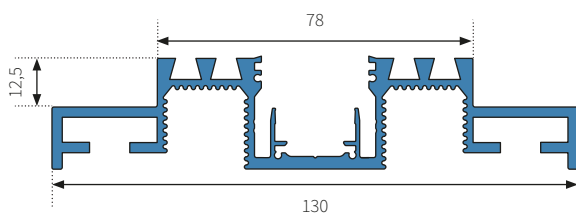
NP R1



NP R2/R4



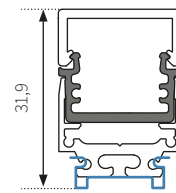
NP R3



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

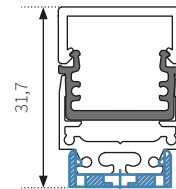
FL/SCLIP-0/0

Federclip 0°
spring clip 0°



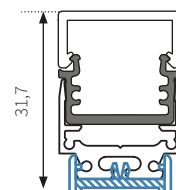
FL/CLIP-0/0

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



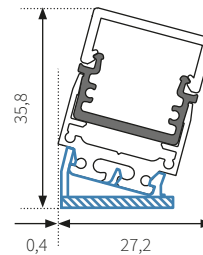
FL/CLIP-1/0

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



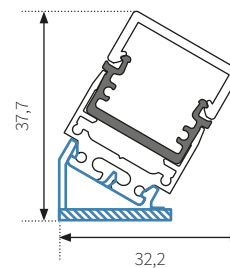
FL/CLIP-1/15

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



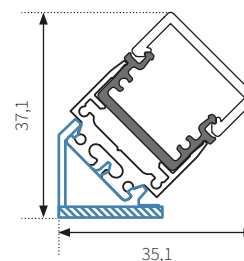
FL/CLIP-1/30

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



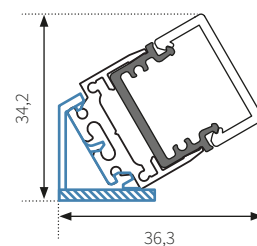
FL/CLIP-1/45

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

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

general terms and conditions of business

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

Bestellinformationen

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.

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
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Germany
FON +49 6721 9195-0
FAX +49 6721 9195-91
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.

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last status: week 24, 2025

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