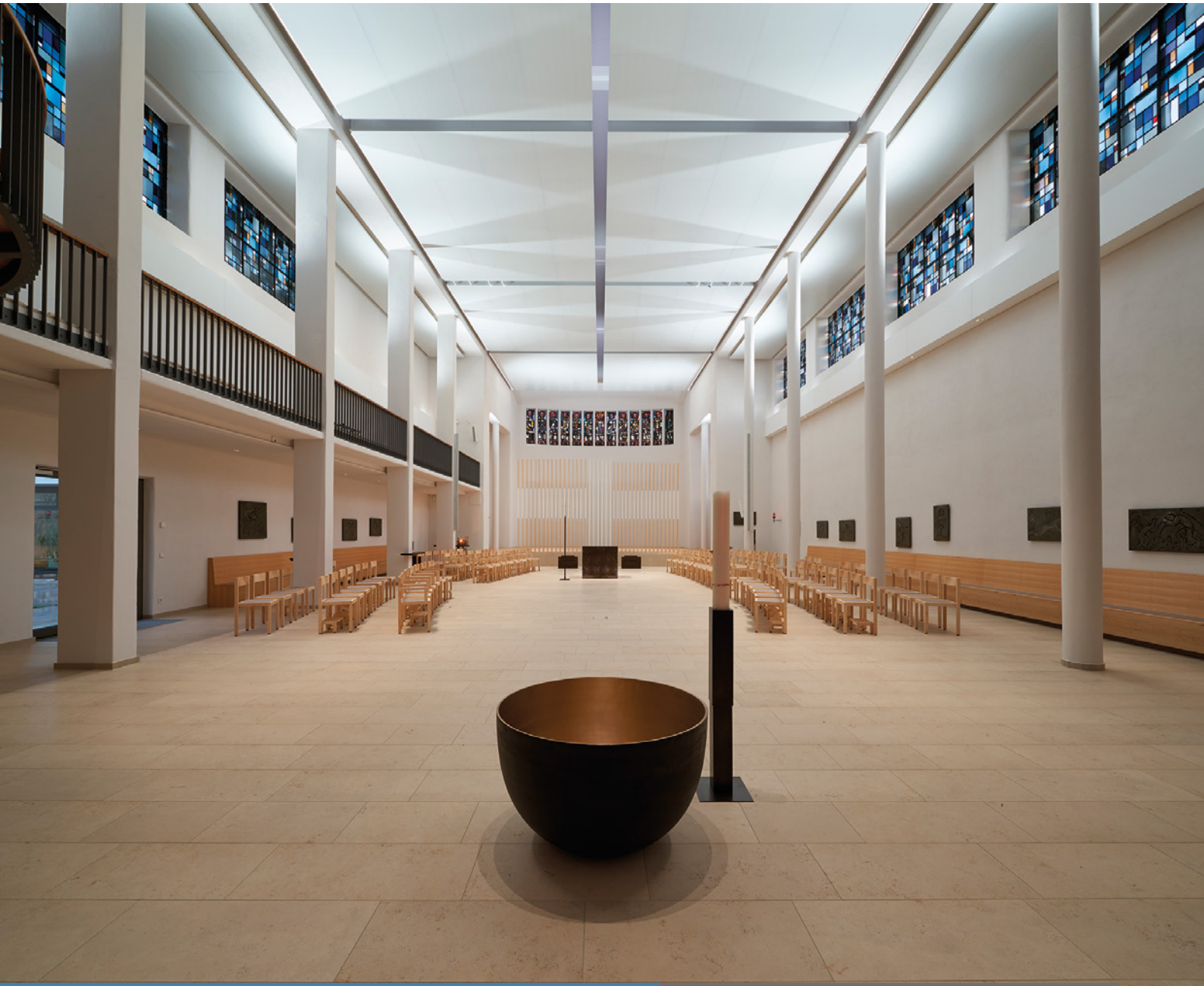


NP Focus-3 4CH Darklight



DATENBLATT
DATASHEET

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

MADE IN **GERMANY**



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

NauticProfil® Focus-3 4CH Darklight

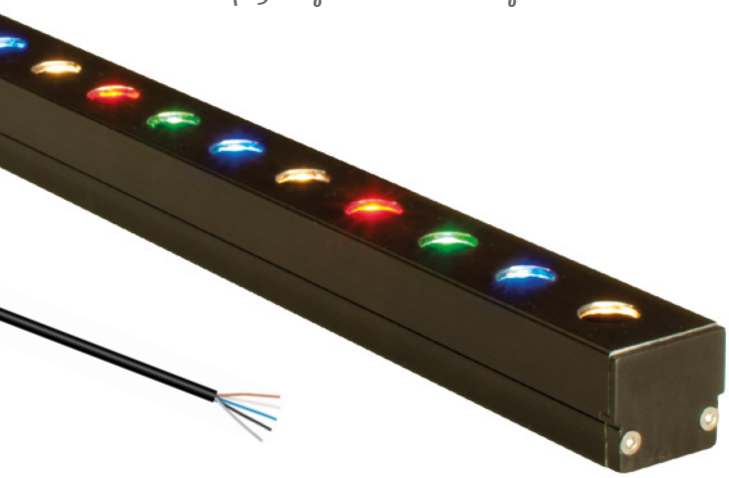
Gerichtete Lichteffekte in RGBW

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

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



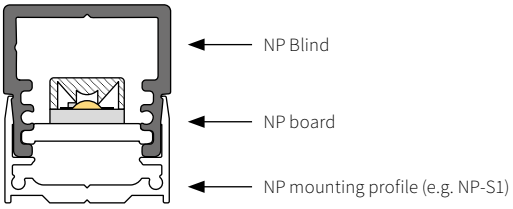


UGR < 19

Kabel 5 x 0,25 mm² BK, als Standard an NP Focus-3 konfektioniert, 2m, 5-polig, offenes Ende
cable 5 x 0.25 mm² BK, assembled to NP Focus-3 as standard, 2m, 5-pin, open end

ALA (Standard)





typ. 350mA | g/m 535 | -20 +35 | IP40 — characteristics

SPWM dimmable — dimming

IK10 | RAL optional — optional

mounting

* Alle Angaben zum Lumenstrom beziehen sich auf das Leuchtmittel. In Kombination mit Abdeckungen / 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

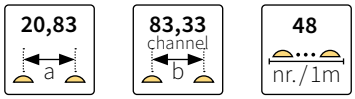
NP/DL/F4C/G1/27C / F1C/G1/0103 / G1/ALA / XXR / XXR / 927 / 927 / LSNT/10770 / CRT

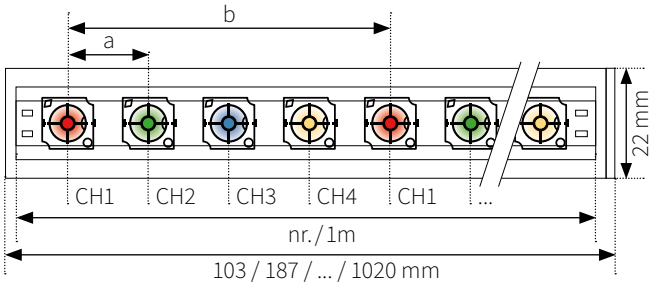
CH 1 CH 2 CH 3 CH 4

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

Technische Daten
technical data

nominal voltage:	**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
dimmable:	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						
product-nr.	**L (mm)***	**C1** red	**C2** green	**C2** blue	**C2** white	**total**
NP/F4C/G1/27C/F4C/G1/0103/G1/ALA/##R/##G/##B/927/...	**0103**	0,67 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/F1C/G1/26D/F1C/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/F1C/G1/26D/F1C/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/F1C/G1/26D/F1C/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/F1C/G1/26D/F1C/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/F1C/G1/26D/F1C/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/F1C/G1/26D/F1C/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/F1C/G1/26D/F1C/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/F1C/G1/26D/F1C/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/F1C/G1/26D/F1C/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/F1C/G1/26D/F1C/G1/1020/G1/ALA/##R/##G/##B/927/...	**1020**	9,12 W	13,56 W	13,20 W	12,84 W	48,72 W

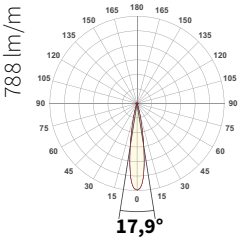
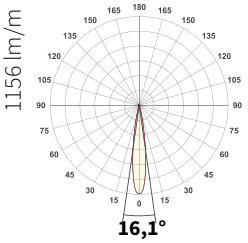
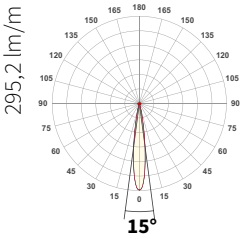
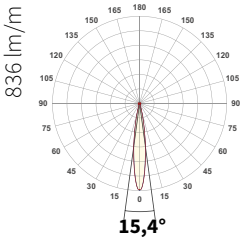
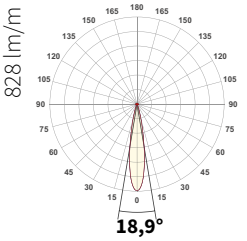
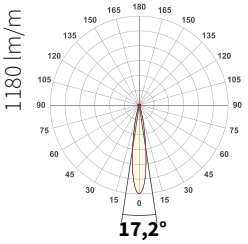
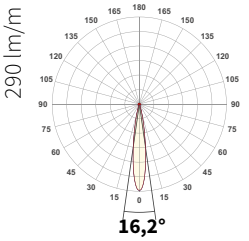
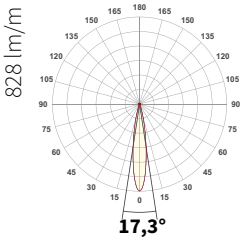
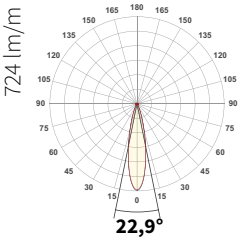
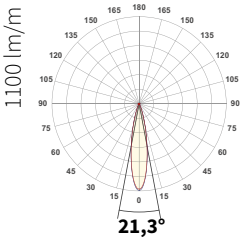
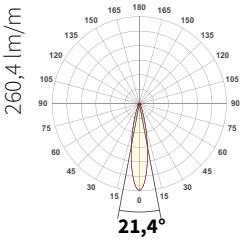
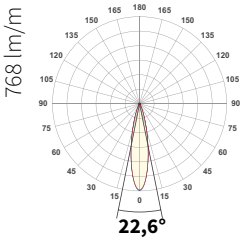
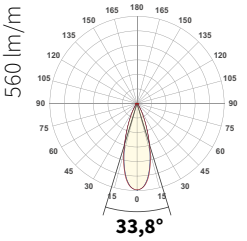
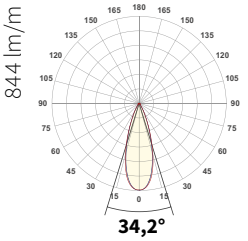
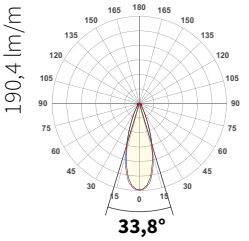
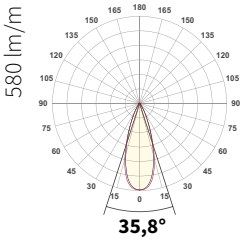
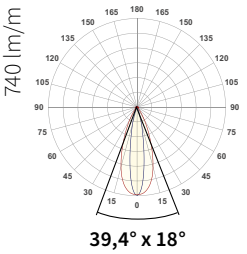
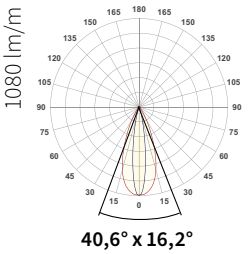
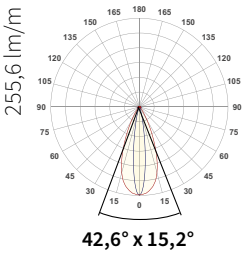
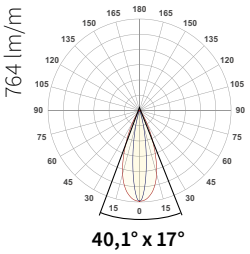
⚠ Aus thermischen Gründen beträgt die zulässige Leistung aller Kanäle 25 W/m, wenn auch die nominelle, elektronische Gesamtleistung 48,72 W/m ist.
Wir empfehlen zum Betrieb des Leuchteneinsatzes einen Lunatone DALI DT8 4-Kanal Dimmer 700 mA.
For thermal reasons, the permissible power of all channels 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 und Außenbereich (IP65) von 103 mm (nominal 4,06 W) bis max. 1020 mm (nominal 48,72 W), Teilungsraster ist 83,3 mm.
Light inserts for indoor and outdoor (IP65) 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.

Lichtverteilungskurven mit verschiedenen Linsen NP/DL/F4C/G1/27C

light distribution curves with different lenses NP/DL/F4C/G1/27C

350 mA IP40

Linsen lenses	**Lichtverteilungskurve** light distribution curve **Kanal 1 Rot** channel 1 red	**Lichtverteilungskurve** light distribution curve **Kanal 1 Grün** channel 1 green	**Lichtverteilungskurve** light distribution curve **Kanal 1 Blau** channel 1 blue	**Lichtverteilungskurve** light distribution curve **Kanal 1 Weiß** channel 1 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

Alle lichttechnischen Daten – vermessen im FLASHAAR® Lichtlabor – finden Sie unter flashaar.de im Download-Bereich.
Alle optischen und elektrischen Daten haben eine Toleranz von ±10 %.
All 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 %

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 anodised (standard)
E6EV1



BA

black anodised
E6C14



TWP

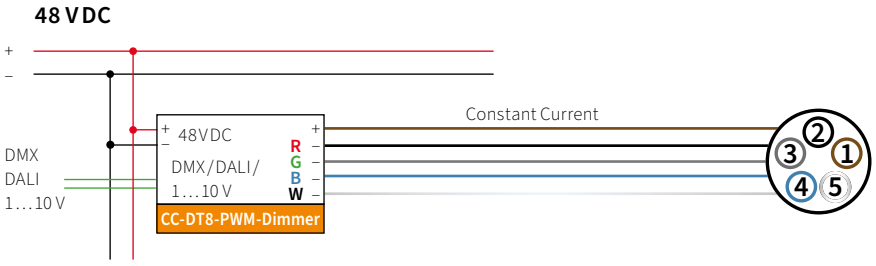
RAL 9016 traffic white
fine structure
(powdered)

Verdrahtungsschemata
wiring diagrams

WD/F/4CH/48V/1D/DT8

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

Kabel 5 x 0,25 mm² BK, als Standard an Solaris konfektioniert, 2m, 5-polig, offenes Ende
cable 5 x 0.25 mm² BK, assembled to Solaris as standard, 2m, 5-pin, open end



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.

Weitere Verdrahtungsschemata in unserem aktuellen Katalog.
Further Cabling Scheme in our current catalogue.

Konfigurationen 4CH
configurations 4CH

NP/DL/F4C/G1/27C / F1C/G1/ 0103 / G1/ ALA / XXR / XXR / 927 / 927 / LSNT/10770 CRT

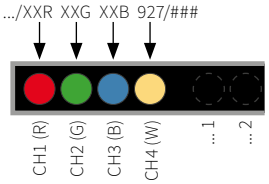
CH 1 CH 2 CH 3 CH 4

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/CH	green 520-525 nm, 1212 lm/CH	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

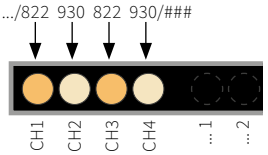
Konfigurationen für eine Leuchte mit 270 mm Länge, RGB + 4000 K, symmetrischer Linse schmal 8° transparent.
Configurations for a luminaire with 270 mm length, RGB + 4000 K, symmetrical lens narrow 8° transparent

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



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



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

NP/DL/F4C/G1/27C / F1C/G1/ 0103 / G1/ ALA / 822 / 840 / e-Zoom / BA

CH 1&4 CH 2&3

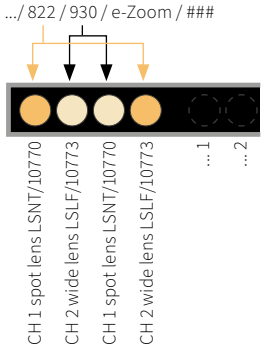
Die NP Focus-3 4CH DL **e-Zoom** ist eine Sonderausführung, bei der die vier Kanäle abwechselnd mit einer 16° Spotlinse LSNT/10770 und einer 40° Breit-Linse LSLF/10773 bestückt sind. Durch gezielte Ansteuerung dieser Kanäle kann die Leuchte elektronisch Zoomen und Sie den Abstrahlwinkel per Steuerung 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 SNT/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.

type	CH1&4*	CH2&3*
4CH, 822 + 930	2200 K, CRI > 80, 832 lm/m 822	3000 K, CRI > 90, 996 lm/m 930
4CH, 927 + 840	2700 K, CRI > 90, 912 lm/m 927	4000 K, CRI > 80, 1408 lm/m 840
4CH, 927	2700 K, CRI > 90, 912 lm/m 927	2700 K, CRI > 90, 912 lm/m 927
4CH, 840	4000 K, CRI > 80, 1408 lm/m 840	4000 K, CRI > 80, 1408 lm/m 840

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

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

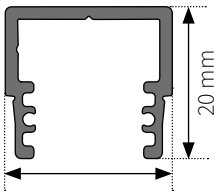
Übersicht Abmessungen und Einbaumaße
overview dimensions and installation dimensions

cover ►

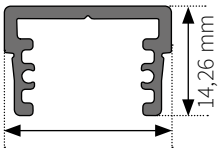
NP mounting profiles

▼

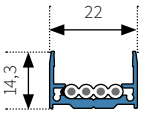
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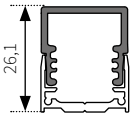


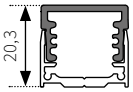
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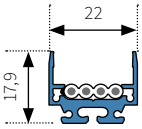
NP-S1

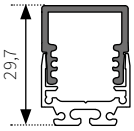


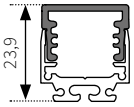




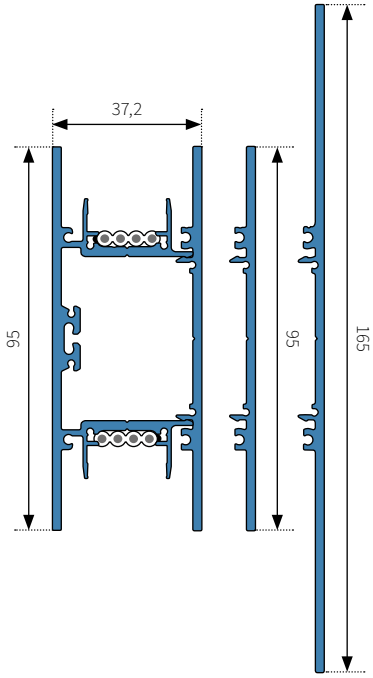
NP-S2

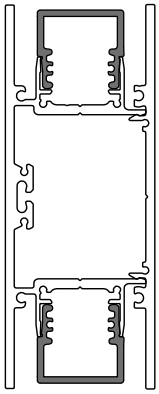


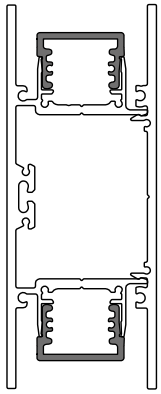




NP-H1 / H2







Alle Maßangaben in mm.
All dimensions in mm

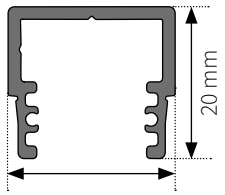
Übersicht Abmessungen und Einbaumaße
overview dimensions and installation dimensions

cover ►

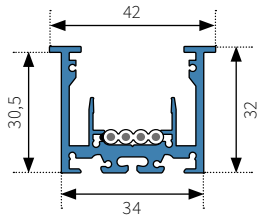
NP mounting profiles

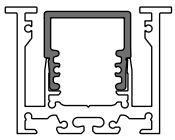
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cover CS

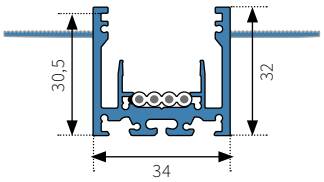


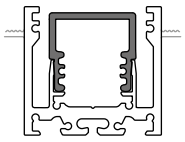
NP-R1



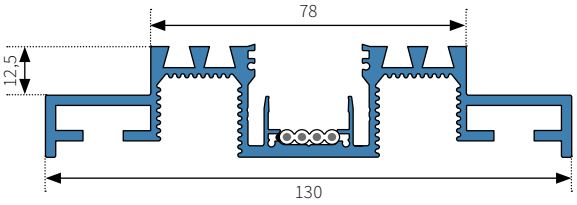


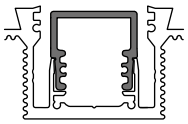
NP-R2 / R4



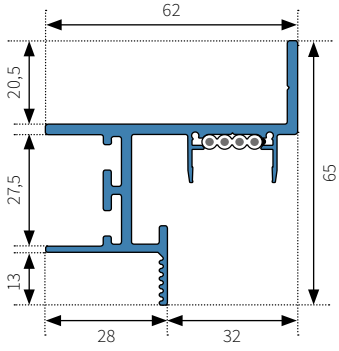


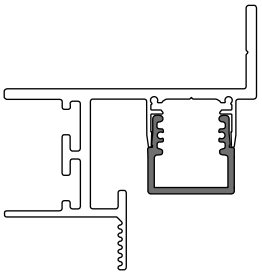
NP-R3





NP-R5



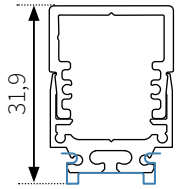


Alle Maßangaben in mm.
All dimensions in mm

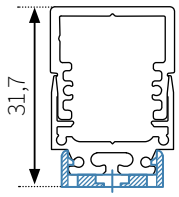
Übersicht Abmessungen und Einbaumaße NP-S2 mit Montageclips

overview dimensions and installation dimensions NP-S2 with mounting clips

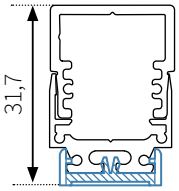
FL/SCLIP-0/0
Federclip 0°
spring clip 0°



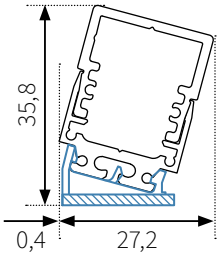
FL/CLIP-0/0
Montageclip 0°, ohne Zapfen gegen Gleiten
mounting clip 0°, without stud to prevent sliding



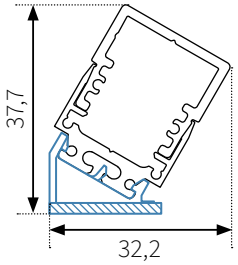
FL/CLIP-1/0
Montageclip 0°, mit Zapfen gegen Gleiten
mounting clip 0°, with stud to prevent sliding



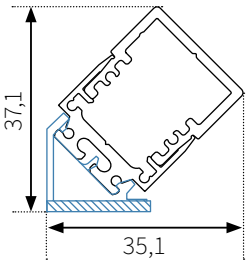
FL/CLIP-1/15
Montageclip 15°, mit Zapfen gegen Gleiten
mounting clip 15°, with stud to prevent sliding



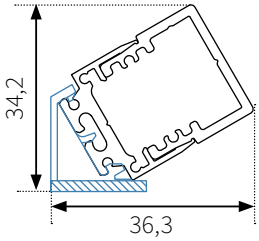
FL/CLIP-1/30
Montageclip 30°, mit Zapfen gegen Gleiten
mounting clip 30°, with stud to prevent sliding



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



Alle Maßangaben in mm.
All dimensions in mm

Allgemeine Geschäftsbedingungen

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

general terms and conditions

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.

ordering information

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

Stand: KW 38, 2026
Druckfehler, Irrtum und technische Änderungen sind vorbehalten.

edition

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