



NP Focus-4 1CH Darklight



DATENBLATT
DATASHEET

NP Focus-4 1CH Darklight



15 m per feed-in (dimmed) | 4400 lm/m*
CRI > 90 | 2200 K-4000 K + RGB



edler Blickfang, mit
nahezu blendfreiem
Licht

noble eye-catcher, with
almost glare-free light

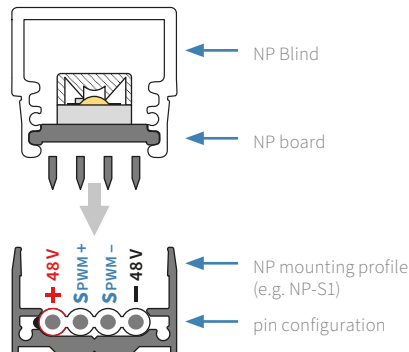
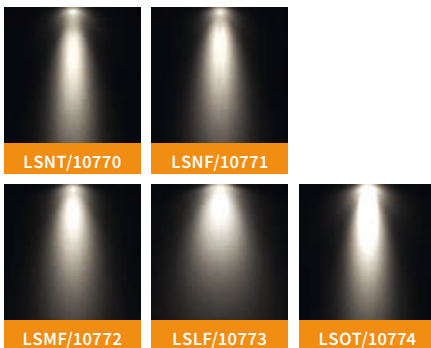
Licht ohne Blendung Light without glare

DE Der **NP Focus-4 1CH Darklight** Leuchteneinsatz verfügt über die gleichen Präzisionslinsen und High Power LEDs wie die Standardversion, ist aber zusätzlich mit einem Aluminiumcover zur bestmöglichen Endblendung ausgestattet. Die gesamte Helligkeit ist nur auf der Beleuchtungsfläche wahrnehmbar, während die nahezu blendfreie Leuchte zum edlen und hochwertigen Blickfang an der Decke wird. Unsere NP Focus-4 1CH Darklight ist optional auch mit einem Schutzglas für die Linsen lieferbar.

EN The **NP Focus-4 1CH Darklight** light insert comes with the same precision lenses and high-power LEDs as the standard version but equipped with an additional aluminium cover to provide the best possible protection against glare. Because the entire brightness is only visible on the illuminated area, the luminaire becomes an almost glare-free luminaire that is a noble high-quality eye-catching ceiling fixture. Our NP Focus-4 1CH Darklight is also optionally available with a protective glass for the lenses.



UGR < 19



characteristics



dimming



optional



mounting



* 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/DL/F1C/G1/26D

/ DL/F1C/G1/ 0258

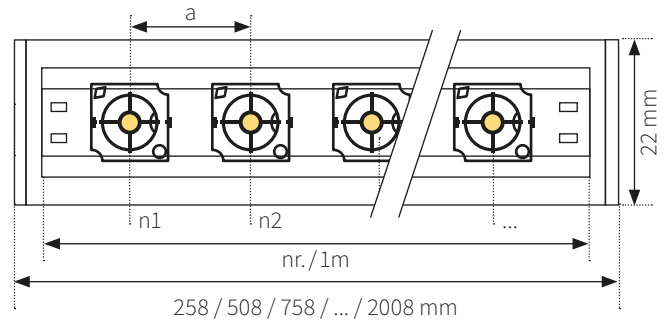
/ G1/ ALA

/ 9 27

/ LSNT/10770 BA

Technische Daten technical data

nominal voltage: 48VDC (Range: 36 to 48VDC)
 nominal wattage, white: 42,4W/m (350 mA)
 photometric code: 822/339, 927/339, 930/339, 840/339
 LED service life: L80/B10 > 54000h
 L90/B10 > 54000h
 dimmable: signal pulse width modulation (SPWM)
 length dividing matrix: 250 mm
 LED pitch: 27,75 mm, 36 LEDs/m
 L(max) DIMMED = 15m (depending on light colour, max. 654W)
 with separately infeeded PWM signal, according to cabling
 scheme D/SPWM/1
 PIN configuration: +48VDC | SPWM+ | SPWM- | -48VDC
 L(max) NOT DIMMED = 39m (depending on light colour,
 max. 1920W). According to cabling scheme S/SPWM/1a.
 PIN configuration: + - + (48VDC)



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

Farbtemperatur und Lumenstrom colour temperature and luminous flux

(350 mA)

	WW 2200 K	WW 2700 K	WW 3000 K	NW 4000 K	Red	Green	Blue
Farbtemperatur colour temperature	WW 2200 K	WW 2700 K	WW 3000 K	NW 4000 K	Red	Green	Blue
CRI typ.	85	93	93	85			
Lumenstrom* 350 mA luminous flux* 350 mA	2492lm/m	2740lm/m	2988lm/m	4228lm/m	2012lm/m	3632lm/m	751lm/m
	822	927	930	840	XXR	XXG	XXB

* 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.



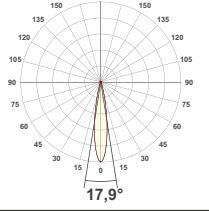


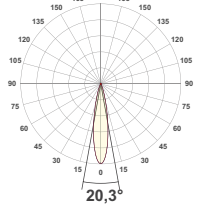


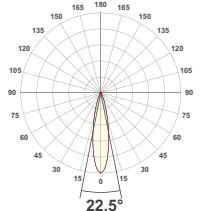


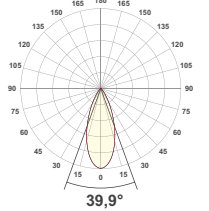


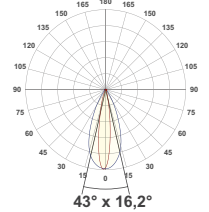
Übersicht Standardlängen & Wattagen overview standard lengths & wattages

(350 mA)

IP40, IP65, IP65 Premium		
product-nr.	L (mm)*	Watt (350 mA)
NP/DL/F1C/G1/26D/DL/F1C/G1/0258/###/...	0253	10,60
NP/DL/F1C/G1/26D/DL/F1C/G1/0508/###/...	0503	21,20
NP/DL/F1C/G1/26D/DL/F1C/G1/0758/###/...	0753	31,80
NP/DL/F1C/G1/26D/DL/F1C/G1/1008/###/...	1003	42,40
NP/DL/F1C/G1/26D/DL/F1C/G1/1258/###/...	1253	53,00
NP/DL/F1C/G1/26D/DL/F1C/G1/1508/###/...	1503	63,60
NP/DL/F1C/G1/26D/DL/F1C/G1/1758/###/...	1753	74,20
NP/DL/F1C/G1/26D/DL/F1C/G1/2008/###/...	2003	84,80

* Länge der Leuchteneinsätze im Innenbereich von 258 mm (10,6W) bis max. 2008 mm (84,8W). LED-Teilungsraster ist 250 mm. Bei einer Länge von 1258 mm bis 2008 mm sind Piercings in beiden Stirnseiten erforderlich.
 Light inserts for indoor use from 258 mm (10,6W) up to a maximum length of 2008 mm (84,8W). The grid uses 250mm increments. With a length of 1258 to 2008 mm piercings are needed on both ends.

⚠ Piercing beidseitig/double-side piercing

Lichtfarbe/-strom luminous colour/flux	Linsen lenses	Lichtverteilungskurve light distribution curve	
WW 3000 K 3024 lm/m CRI 92,9	  precision lens symmetric narrow transparent 16°	 17,9°	Die Focus-4 1CH Darklight ist optional auch mit einem Schutzglas für die Linsen lieferbar. The Focus-4 1CH Darklight is also optionally available with a protective glass for the lenses.
WW 3000 K 2960 lm/m CRI 92,7	  precision lens symmetric narrow frosted 18°	 20,3°	
WW 3000 K 2864 lm/m CRI 93,1	  precision lens symmetric medium frosted 22°	 22,5°	Alle Werte in der Tabelle gemessen bei 3000 K mit Cover square transparent. Messwerte unterliegen den typischen Toleranzen. Andere Konfigurationen erhalten Sie auf Anfrage. All values in the table measured at 3000 K with cover square transparent. Measured values are subject to the typical tolerances. Other configurations are available on request.
WW 3000 K 2652 lm/m CRI 93,4	  precision lens symmetric large frosted 40°	 39,9°	Alle lichttechnischen Daten – vermessen im FLAS-HAAR® 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%.
WW 3000 K 2844 lm/m CRI 93,2	  precision lens symmetric oval transparent 42° x 18°	 43° x 16,2°	Messdaten für IP65 auf Anfrage. Measurement data for IP65 on request.

— 0/180°
— 90/270°

Linsen lenses



precision lens
symmetric
narrow transparent
16°



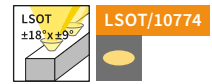
precision lens
symmetric
narrow frosted
18°



precision lens
symmetric
medium frosted
22°



precision lens
symmetric
large frosted
40°



precision lens
symmetric
oval transparent
42° x 18°

Gehäusefarben* housing colours*

Die Focus-4 1CH Darklight ist wahlweise in folgenden Gehäusefarben erhältlich:
The Focus-4 1CH Darklight is available in the following housing colours:



alu anodized (standard)
E6EV1



black anodized
E6C14



RAL9016 traffic white
fine structure (powdered)

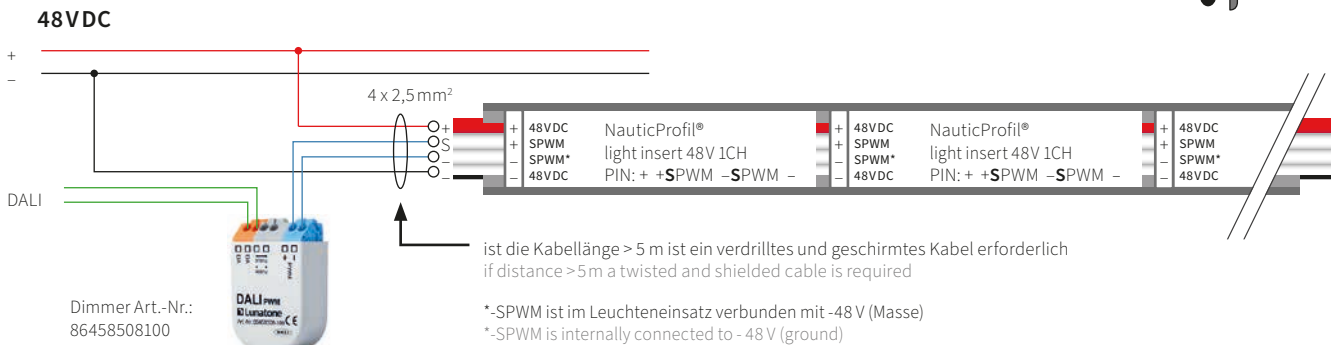
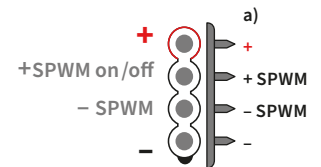
* Beachten Sie bitte bei der Planung / Bestellung der ergänzenden Montageprofile eine passende Farbe.
When planning/ordering the supplementary mounting profiles, please make sure you choose a suitable colour.

Verdrahtungsschemata wiring diagrams

Beispiel für max. Länge mit einer elektrischen Einspeisung*
example for max. length with one electrical feed*

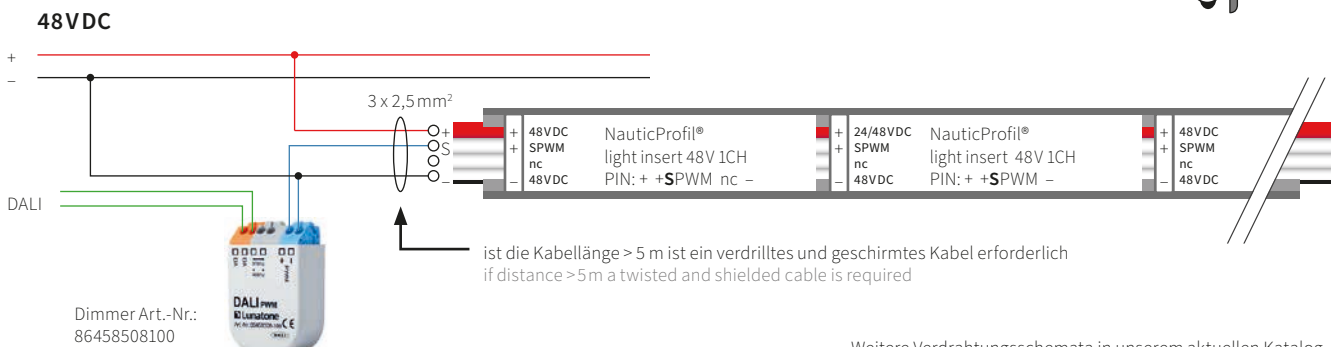
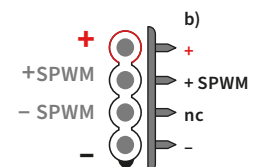
D/SPWM/1a (1x1CH)

Dimmbar über SPWM, System mit 1 Kanal, 48VDC /
1CH Leuchteneinsatz / Dimmart: Steuerungs-PWM (SPWM)
dimmable via SPWM, 48VDC single channel system /
1CH light insert (monochrome) / dimming: Signal-PWM
+SPWM short to: -SPWM / -48 V / GND=ON; +SPWM open or short to +48V=OFF



D/SPWM/1b (1x1CH)

Dimmbar über SPWM, System mit 1 Kanal, 48VDC /
1CH Leuchteneinsatz / Dimmart: Steuerungs-PWM (SPWM)
dimmable via SPWM, 48VDC single channel system /
1CH light insert (monochrome) / dimming: Signal-PWM
+SPWM short to: -SPWM / -48 V / GND=ON; +SPWM open or short to +48V=OFF



Weitere Verdrahtungsschemata in unserem aktuellen Katalog
further cabling scheme in our current catalogue

Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

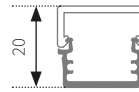
overview dimensions and installation dimensions with base profile G1

covers and lenses ▶

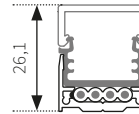
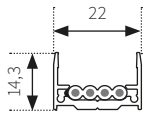


NP mounting profiles ▼

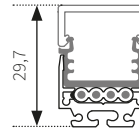
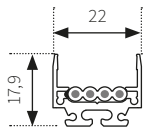
cover CS



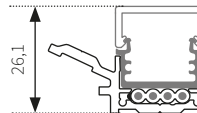
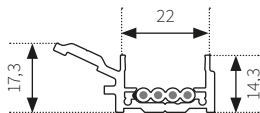
NP-S1



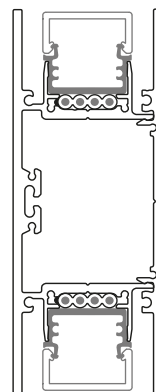
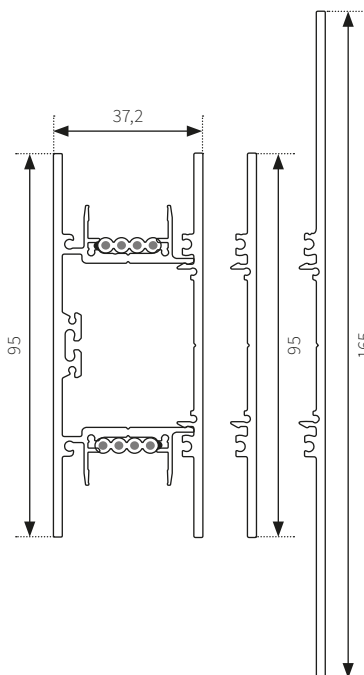
NP-S2



NP-S3



NP-H1/H2



Übersicht Abmessungen und Einbaumaße mit dem Basisprofil G1

overview dimensions and installation dimensions with base profile G1

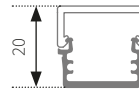
covers and lenses ▶



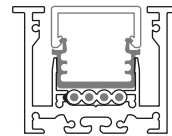
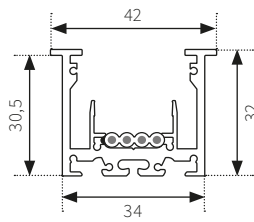
NP mounting profiles



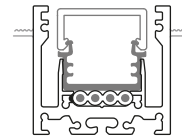
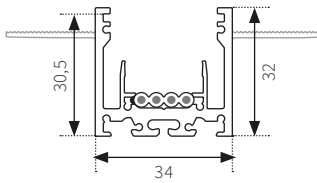
cover CS



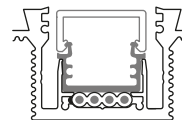
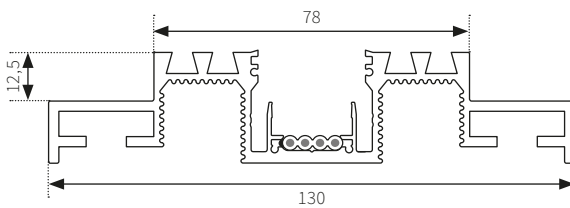
NP-R1



NP-R2/R4



NP-R3

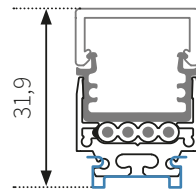


Übersicht Abmessungen und Einbaumaße NP-S2 mit Montageclips mit dem Basisprofil G1

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

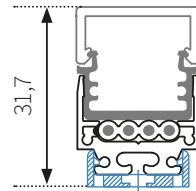
FL/SCLIP-0/0

Federclip 0°
spring clip 0°



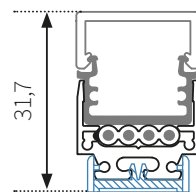
FL/CLIP-0/0

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



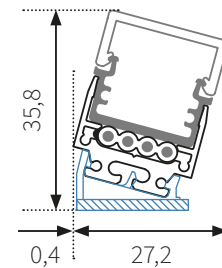
FL/CLIP-1/0

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



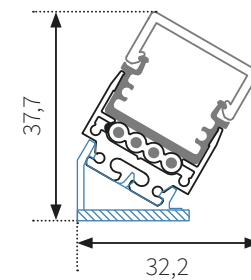
FL/CLIP-1/15

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



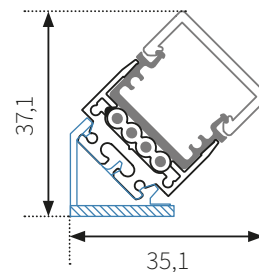
FL/CLIP-1/30

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



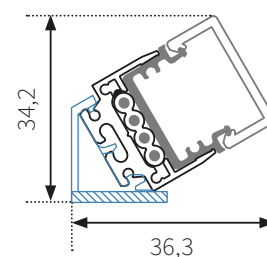
FL/CLIP-1/45

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

general terms and conditions of business

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

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

Bestellinformationen

delivery information

Erforderliche Angaben auf Ihrer Bestellung

- Produktname
- Vollständige Artikelnummer (inklusive den zu ergänzenden Angaben z. B. Lichtfarbe, Cover- oder Linsentyp usw.)
- gewünschte Lieferzeit
- Lieferadresse

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

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>

ordering address

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55411 Bingen am Rhein
Germany
FON +49 6721 9195-0
FAX +49 6721 9195-91
order@ledlight.flashaar.com
<https://flashaar.de>

Versandkosten

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

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

edition

Stand: KW 19, 2023

Druckfehler, Irrtum und technische Änderungen sind vorbehalten.

last status: week 19, 2023

Technical changes, errors and printing mistakes are reserved.