



Focus-4 1CH Darklite

Datenblatt
Datasheet

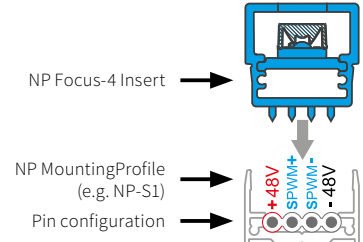
LICHT auf ganzer Linie
LIGHTING all along the line

NP Focus-4 1CH Darklite

Licht ohne Blendung
Light without Glare



UGR < 19



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

Der Focus-4 1CH Darklite LeuchtenEinsatz verfügt über die gleichen Präzisionslinsen und High Power LEDs wie die Standardversion, ist aber zusätzlich mit einem Aluminiumcover zur bestmöglichen Endblendung ausgestattet.

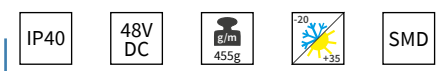
Die gesamte Helligkeit ist nur auf der Beleuchtungsfläche wahrnehmbar, während die nahezu blendfreie Leuchte zum edlen und hochwertigen Blickfang an der Decke wird.

Die Focus-4 1CH Darklite ist optional auch mit einem Schutzglas für die Linsen lieferbar.

The Focus-4 1CH Darklite LightInsert 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.

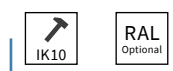
The Focus-4 1CH Darklite is also optionally available with a protective glass for the lenses.



Eigenschaften Characteristics



Dimmbar Dimming



Optional Optional



Montage 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

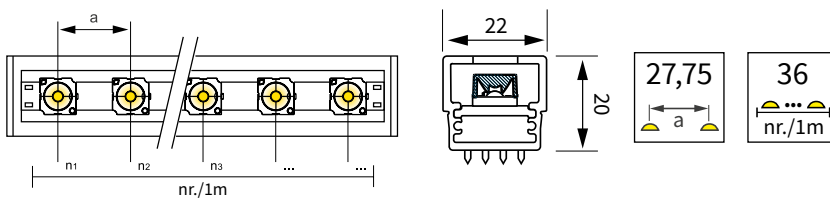
FLDL/F1C/D 0258 / 927 / LSNT/10770 / BA

Technische Daten Technical Data

Operating voltage: 48VDC (Range: 36V to 48VDC)
 Nominal wattage, white: 42,4 W/m
 Photometric code: 822/339, 927/339, 930/339, 840/339
 LED service life: L80/B10 72 000 h, L90/B10 34 000 h
 Dimmable: Signal Pulse-Width Modulation (SPWM)
 Length dividing matrix: 250 mm
 LED pitch: 27,75 mm, 36 LEDs/m

Max. length per feed:
 L(max) DIMMED = 15 m (depending on light colour, max. 645 W).
 With separately infeeded PWM signal, according to cabling scheme D/SPWM/1.
 PIN configuration: +48VDC | SPWM+ | SPWM- | -48VDC
 L(max) NOT DIMMED = 39 m (depending on light colour, max. 1920 W). According to cabling scheme S/SPWM/1a.
 PIN configuration: + - - + (48VDC)

Maße ohne Montageprofil, cover Square Dimensions without Mounting Profile, cover Square



optional:
 inkl. Schutzglas
 z.Bsp. für hohe Brand-
 schutzanforderungen
 incl. protective glass
 e.g. for high fire
 protection
 requirements



Zubehör Accessories

FL/PGB
 Schutzglas Schwarz für Focus Darklite
 Protection Glass Black for Focus Darklite

FL/PGW
 Schutzglas Weiß für Focus Darklite
 Protection Glass White for Focus Darklite

Übersicht Längen & Wattagen Overview Lengths & Wattages

(350 mA)

Product-Nr.:	L (mm)*	Watt
FLDL/F1C/D0258/###/####/#####/###	0258	10,6 W
FLDL/F1C/D0508/###/####/#####/###	0508	21,2 W
FLDL/F1C/D0758/###/####/#####/###	0758	31,8 W
FLDL/F1C/D1008/###/####/#####/###	1008	42,4 W
FLDL/F1C/D1258/###/####/#####/### (Piercing beidseitig double-sided piercing)	1258	53,0 W
FLDL/F1C/D1508/###/####/#####/### (Piercing beidseitig double-sided piercing)	1508	63,6 W
FLDL/F1C/D1758/###/####/#####/### (Piercing beidseitig double-sided piercing)	1758	74,2 W
FLDL/F1C/D2008/###/####/#####/### (Piercing beidseitig double-sided piercing)	2008	84,8 W

Farbtemperatur und Lumenstrom Colour Temperature and Luminous Flux


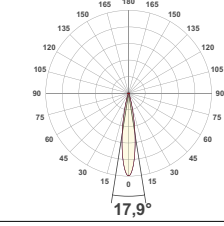

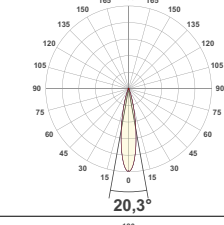

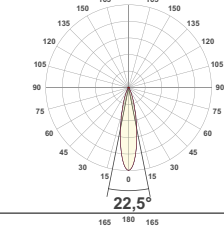

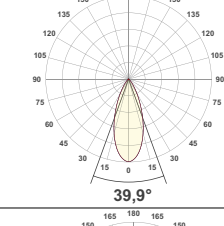

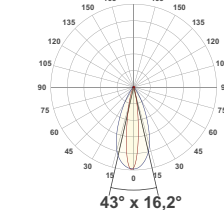
(350 mA)

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

* Länge der Leuchten-Einsätze im Innenbereich von 258 mm (10,6 W) bis max. 2008 mm (84,8 W). Im Außenbereich (IP65) Länge von 258 mm (10,6 W) bis max. 1008 mm (42,4 W). 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 (10,6 W) up to a maximum length of 2008 mm (84,8 W). Outdoor (IP65) length from 256 mm (10,6 W) to max. 1008 mm (42,4 W). The grid uses 250 mm increments. With a length of 1258 to 2008 mm piercings are needed on both ends.

Übersicht Lichtfarbe/-strom, Cover & Linsen und Lichtverteilungskurven (350 mA)

Overview Luminous Colour/Flux, Lengths & Wattages and Light Distribution Curves

Lichtfarbe/-strom Luminous Colour/Flux	Präzisionslinse Precision Lens	Lichtverteilungskurve Light Distribution Curve	
WW 3000 K 3220 lm/m CRI 93,6	 LSNT/10770 Precision Lens Symmetric Narrow Transparent 18°		<p>Die Focus-4 1CH Darklite ist optional auch mit einem Schutzglas für die Linsen lieferbar. The Focus-4 1CH Darklite is also optionally available with a protective glass for the lenses.</p>
WW 3000 K 3200 lm/m CRI 93,2	 LSNF/10771 Precision Lens Symmetric Narrow Frosted 20°		
WW 3000 K 2752 lm/m CRI 93,5	 LSMF/10772 Precision Lens Symmetric Medium Frosted 23°		
WW 3000 K 2350 lm/m CRI 93,7	 LSLF/10773 Precision Lens Symmetric Large Frosted 40°		
WW 3000 K 2656 lm/m CRI 93,6	 LSOT/10774 Precision Lens Symmetric Oval Transparent 43° x 16°		

— 0/180°
 — 90/270°



Alle lichttechnischen Daten – vermessen im FLASHAAR® Lichtlabor – finden Sie unter flashaar.de im Download-Bereich. Alle Messwerte unterliegen den typischen Toleranzen.
 All photometric data – measured in FLASHAAR's light laboratory – available at flashaar.de/en in the download area. All measured values are subject to the typical tolerances.

Linsen Lenses



LSNT/10770

Precision Lens
Symmetric
Narrow Transparent
18°



LSNF/10771

Precision Lens
Symmetric
Narrow Frosted
20°



LSMF/10772

Precision Lens
Symmetric
Medium Frosted
23°



LSLF/10773

Precision Lens
Symmetric
Large Frosted
40°



LSOT/10774

Precision Lens
Symmetric Oval
Transparent
43° x 16°

Gehäusefarben Housing Colours *

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



ALA

Alu anodized
E6EVI



TWP

Traffic white fine powdered
RAL 9016



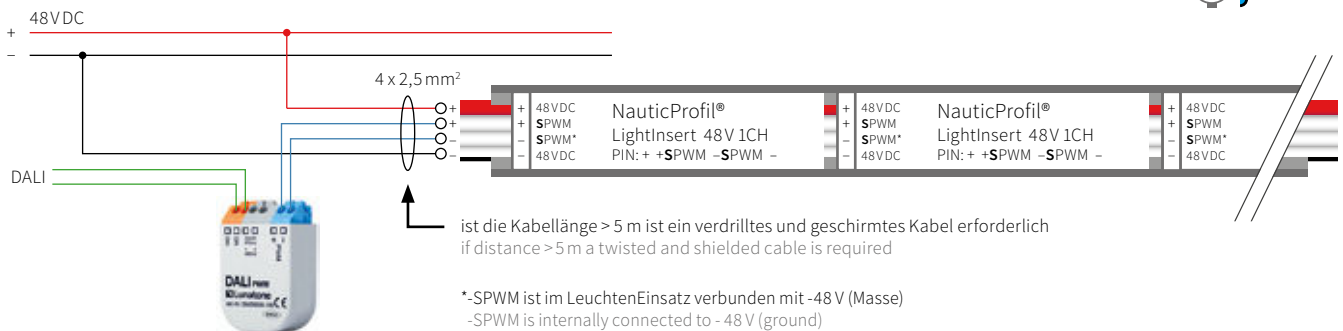
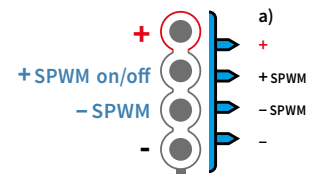
BA

Black anodized
E6C14

Verdrahtungsschema Wiring Diagram

D/SPWM/1a
(1x1CH)

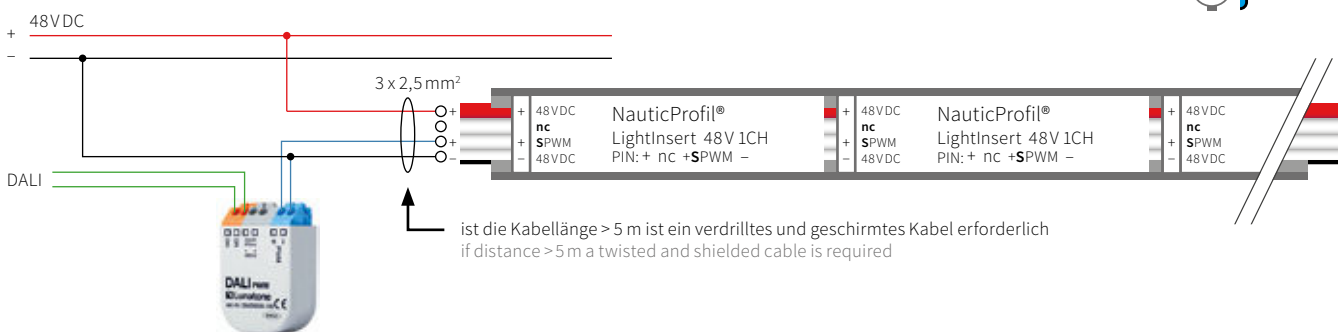
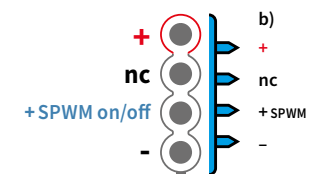
Dimmbar über SPWM, System mit 1 Kanal, 48VDC /
1-CH LeuchtenEinsatz / Dimmart: Steuerungs-PWM (SPWM)
Dimmable via SPWM, 48V DC single channel system /
1CH LightInsert (monochrome) / Dimming: Signal-PWM
+SPWM short to: -SPWM / -48 V / GND=ON; +SPWM open or short to +48V=OFF



Dimmer Art.-Nr.: 86458508100

D/SPWM/1b
(1x1CH)

Dimmbar über SPWM, System mit 1 Kanal, 48VDC /
1CH LeuchtenEinsatz / Dimmart: Steuerungs-PWM (SPWM)
Dimmable via SPWM, 48V DC single channel system /
1CH LightInsert (monochrome) / Dimming: Signal-PWM



Dimmer Art.-Nr.: 86458508100

Weitere Verdrahtungsschemata im Katalog.
Further Cabling Scheme in our current catalogue.

* 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.

Übersicht Abmessungen und Einbaumaße

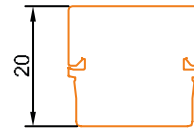
Overview dimensions and installation dimensions

Covers And Lenses ▶

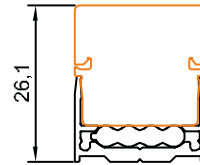
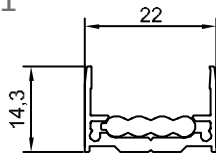


NP Mounting Profiles ▼

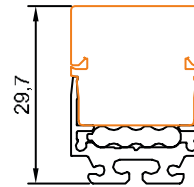
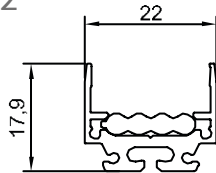
CSB



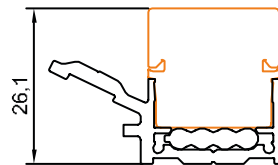
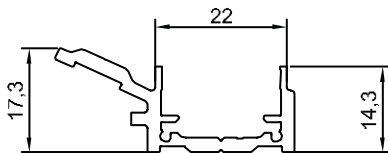
NP-S1



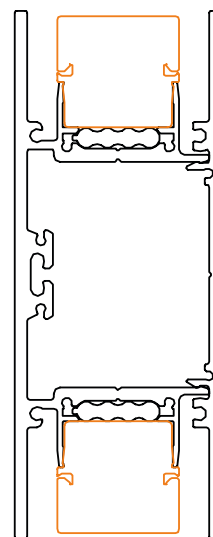
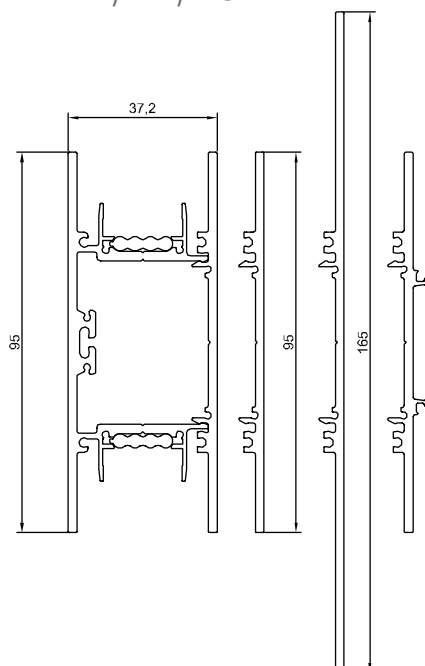
NP-S2



NP-S3



NP-H1/H2/H3



Übersicht Abmessungen und Einbaumaße

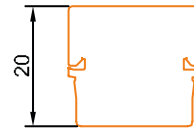
Overview dimensions and installation dimensions

Covers And Lenses ▶

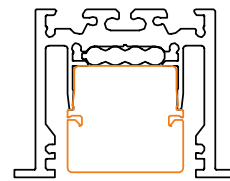
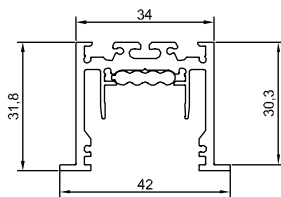


NP Mounting Profiles ▼

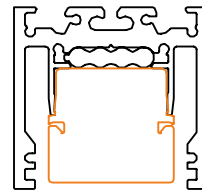
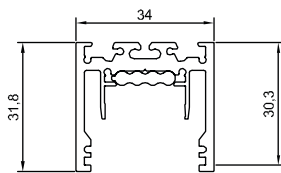
CSB



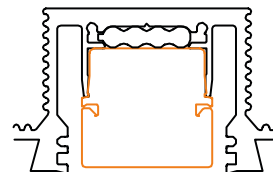
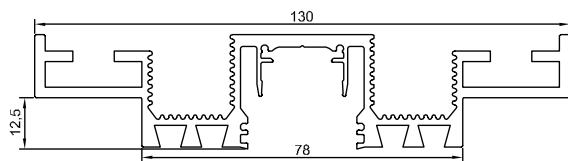
NP-R1



NP-R2

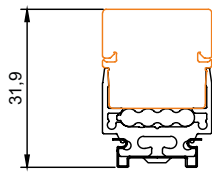


NP-R3



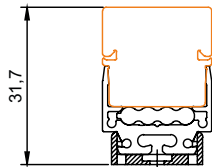
Übersicht Abmessungen und Einbaumaße NP-S2 mit MontageClips

Overview dimensions and installation dimensions NP-S2 with MountingClips



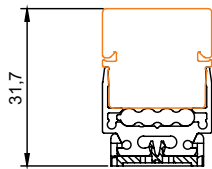
FL/SCLIP-0/0

SpringClip 0°
SpringClip 0°



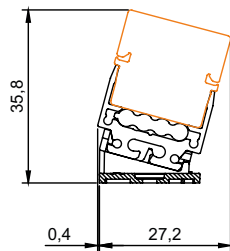
FL/CLIP-0/0

MountingClip 0°, ohne Zapfen gegen Gleiten
MountingClip 0°, without stud to prevent sliding



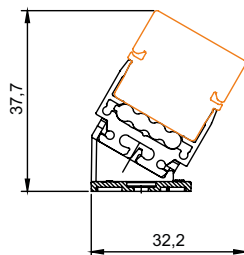
FL/CLIP-1/0

MountingClip 0°, mit Zapfen gegen Gleiten
MountingClip 0°, with stud to prevent sliding



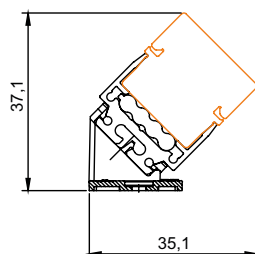
FL/CLIP-1/15

MountingClip 15°, mit Zapfen gegen Gleiten
MountingClip 15°, with stud to prevent sliding



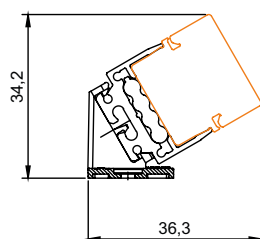
FL/CLIP-1/30

MountingClip 30°, mit Zapfen gegen Gleiten
MountingClip 30°, with stud to prevent sliding



FL/CLIP-1/45

MountingClip 45°, mit Zapfen gegen Gleiten
MountingClip 45°, with stud to prevent sliding



FL/CLIP-1/60

MountingClip 60°, mit Zapfen gegen Gleiten
MountingClip 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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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 12-03-2021
Druckfehler, Irrtum und technische Änderungen sind vorbehalten.

Last status 12-03-2021
Technical changes, errors and printing mistakes are reserved.