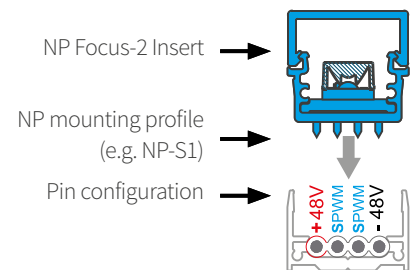
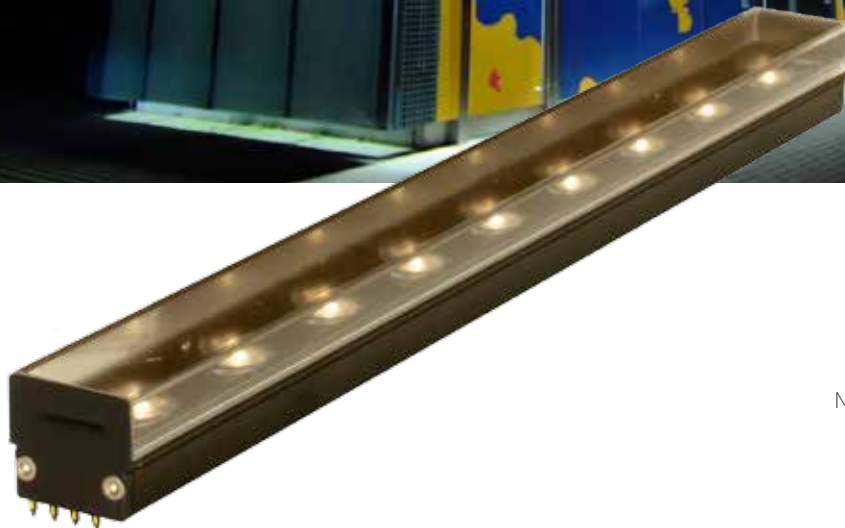


Focus-2 1Channel

4400 Lumen, präzise auf den Punkt
4,400 lumen, precisely to the point



22 m per feed-in (dimmed) || 4000 lm/m || CRI > 80 || 2700 – 6500°K

Mit bis zu 4400 lm/m Lichtstrom und Präzisionslinsen über jeder High Power LED wird der Focus-2 1Channel Leuchteinsatz hohen Anforderungen an Helligkeit und Lichtverteilung gerecht. Die optimale Wahl also für Beleuchtungen mit UGR-Vorgaben. 48 V Betriebs- spannung sorgen für hohe Effizienz und Lebensdauer und machen die Focus auch für Verkehrsprojekte und Installationsorte mit weiten Zuleitungen interessant. Das Dimmen der LEDs erfolgt per SPWM-Signal.

With a luminous flux of up to 4,400 lumen per metre and precision lenses on each high power LED, the Focus-2 1Channel light insert satisfies the high demands that are made on brightness and light distribution. It is therefore the optimum choice for lighting that must meet UGR specifications. Operating voltages of 48 volts ensure high efficiencies and lifespans and make the Focus also interesting for traffic projects and installation locations with long supply lines. The LEDs are dimmed on the circuit board using an SPWM signal.



Eigenschaften *Characteristics*



Dimmbar *Dimming*



Optional *Optional*



Montage *Mounting*

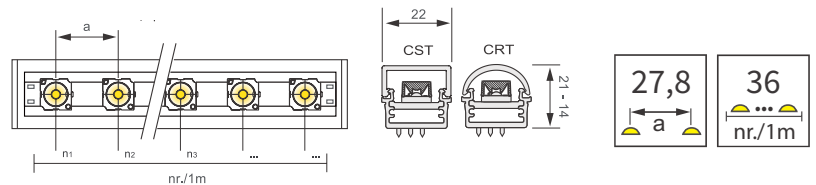
Technische Daten

Technical Data

Operating voltage: 48 V (Range: 36 V to 48 V)
 Nominal wattage, white: 42 W/m
 Photometric code: 8XX/449
 LED service life: L80/B50 50 000 h
 Dimmable: separate pulse width modulation (SPWM)
 Length dividing matrix: 250 mm
 LED pitch: 27,8 mm, 36 LEDs / m
 Max. length per feed-in: **L(max) DIMMED = 22 m (depending on light colour; max. 960W)**. With separately infedded PWM signal, according to cabling scheme D/SPWM/1. **L(max) NOT DIMMED = 44 m (depending on light colour; max. 1910W)**. According to cabling scheme S/SPWM/1. (+ - - +) PIN configuration

Maße
 ohne Montageprofil,
 Cover Square

Dimensions
 without mounting profile,
 Cover Square

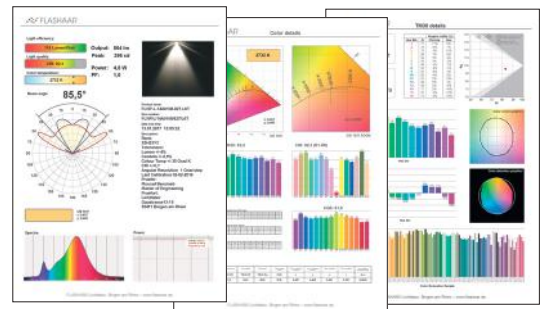


Lichtverteilung

Light distribution

Alle lichttechnischen Daten - vermessen im FLASHAAR Lichtlabor - finden Sie unter www.flashaar.com

Light-distribution curves for all light inserts - measured in FLASHAAR's light laboratory - at www.flashaar.com



Bestellnummer

Item number

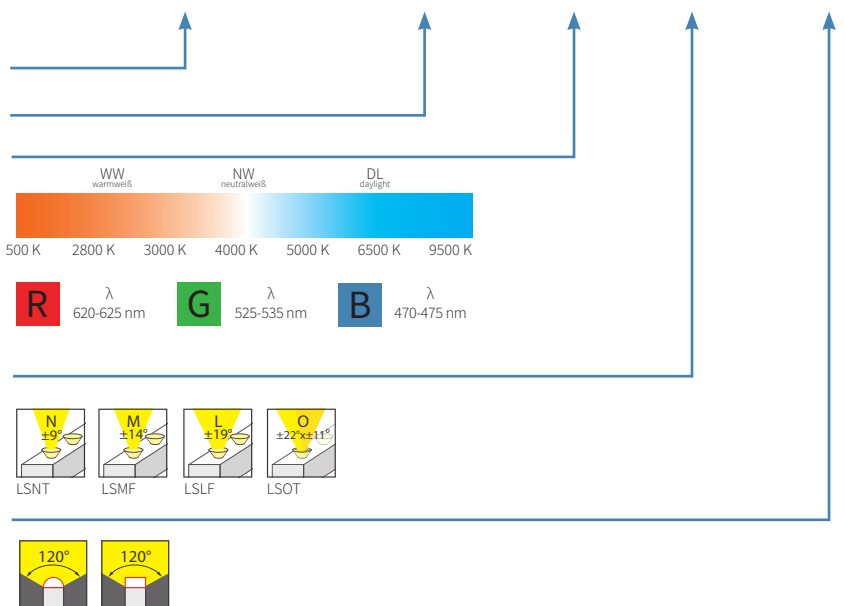
Produkt Product
 Länge Length (mm)*

Lichtfarbe/-strom Luminous colour/flux**
 WW 2700°K ca. 3620 lm/m - 42 W/m.....927
 WW 3000°K ca. 3620 lm/m - 42 W/m.....830
 NW 4000°K ca. 4000 lm/m - 42 W/m.....840

Präzisionslinsen Precision lenses
 Narrow transparent 19°.....LSNT
 Medium frosted 27°.....LSMF
 Large frosted 38°.....LSLF
 Oval transparent 21°x45°.....LSOT

Schutzcover Cover
 Cover round transparent.....CRT
 Cover Square transparent.....CST

F L N P / F 1 C / B | 0 2 5 8 | | 8 2 7 | / L S N T | C R T |



* Länge der Leuchteneinsätze ab 258 mm (4-6 W) bis max. 2008 mm (35-51 W), Außenbereich bis max 1008 mm. Teilungsraster in 250 mm-Schritten. Übersicht der Längen und Wattagen siehe S. 80/81 *Light inserts from 258 mm long (4-6 W) up to a maximum length of 2,008 mm (35-51 W) and up to 1,008 mm long for outdoor areas. The grid uses 250 mm increments. Please refer to Page 80/81 for an overview of lengths and wattages*
 ** Alle Angaben zum Lumenstrom beziehen sich auf das Leuchtmittel. In Kombination mit Cover/Linsen kommt es zu materialbedingtem Lichtverlust. Eulumdats aller Varianten unter www.flashaar.com ** *All information about the luminous flux refers to the lamp. Covers and lenses on luminaires will naturally result in the material causing a little of loss lighting. Eulumdats for all versions at www.flashaar.com*

NauticProfil Line / Focus: Übersicht Längen & Wattagen

NauticProfil Line / Focus: Overview lengths & wattages

Produkt / Product: NP Line Sta. Maria-4	L (mm)*	Watt
FLNP/L/01C0108/###/###	108	0,48
FLNP/L/01C0208/###/###	208	0,96
FLNP/L/01C0308/###/###	308	1,44
FLNP/L/01C0408/###/###	408	1,92
FLNP/L/01C0508/###/###	508	2,40
FLNP/L/01C0608/###/###	608	2,88
FLNP/L/01C0708/###/###	708	3,36
FLNP/L/01C0808/###/###	808	3,84
FLNP/L/01C0908/###/###	908	4,32
FLNP/L/01C1008/###/###	1008	4,80
FLNP/L/01C1108/###/###	1108	5,28
FLNP/L/01C1208/###/###	1208	5,76
FLNP/L/01C1308/###/###	1308	6,24
FLNP/L/01C1408/###/###	1408	6,72
FLNP/L/01C1508/###/###	1508	7,20
FLNP/L/01C1608/###/###	1608	7,68
FLNP/L/01C1708/###/###	1708	8,16
FLNP/L/01C1808/###/###	1808	8,64
FLNP/L/01C1908/###/###	1908	9,12
FLNP/L/01C2008/###/###	2008	9,60
Produkt / Product: NP Line Victory-4	L (mm)*	Watt
FLNP/L/03C0058/###/###	58	0,45
FLNP/L/03C0108/###/###	108	0,89
FLNP/L/03C0158/###/###	158	1,34
FLNP/L/03C0208/###/###	208	1,78
FLNP/L/03C0258/###/###	258	2,23
FLNP/L/03C0308/###/###	308	2,67
FLNP/L/03C0358/###/###	358	3,12
FLNP/L/03C0408/###/###	408	3,56
FLNP/L/03C0458/###/###	458	4,01
FLNP/L/03C0508/###/###	508	4,45
FLNP/L/03C0558/###/###	558	4,90
FLNP/L/03C0608/###/###	608	5,34
FLNP/L/03C0658/###/###	658	5,79
FLNP/L/03C0708/###/###	708	6,23
FLNP/L/03C0758/###/###	758	6,68
FLNP/L/03C0808/###/###	808	7,12
FLNP/L/03C0858/###/###	858	7,57
FLNP/L/03C0908/###/###	908	8,01
FLNP/L/03C0958/###/###	958	8,46
FLNP/L/03C1008/###/###	1008	8,90
FLNP/L/03C1058/###/###	1058	9,35
FLNP/L/03C1108/###/###	1108	9,79
FLNP/L/03C1158/###/###	1158	10,24
FLNP/L/03C1208/###/###	1208	10,68
FLNP/L/03C1258/###/###	1258	11,13
FLNP/L/03C1308/###/###	1308	11,57
FLNP/L/03C1358/###/###	1358	12,02
FLNP/L/03C1408/###/###	1408	12,46
FLNP/L/03C1458/###/###	1458	12,91

↑ Base code ↑ Light colour ↑ Cover & Lens

Produkt / Product: NP Line Victory-4	L (mm)*	Watt
FLNP/L/03C1508/###/###	1508	13,35
FLNP/L/03C1558/###/###	1558	13,80
FLNP/L/03C1608/###/###	1608	14,24
FLNP/L/03C1658/###/###	1658	14,69
FLNP/L/03C1708/###/###	1708	15,13
FLNP/L/03C1758/###/###	1758	15,58
FLNP/L/03C1808/###/###	1808	16,02
FLNP/L/03C1858/###/###	1858	16,47
FLNP/L/03C1908/###/###	1908	16,91
FLNP/L/03C1958/###/###	1958	17,36
FLNP/L/03C2008/###/###	2008	17,80
Produkt / Product: NP Line Navigator	L (mm)*	Watt
FLNP/L/14A0108/###/###	108	0,96
FLNP/L/14A0208/###/###	208	1,92
FLNP/L/14A0308/###/###	308	2,88
FLNP/L/14A0408/###/###	408	3,84
FLNP/L/14A0508/###/###	508	4,80
FLNP/L/14A0608/###/###	607	5,76
FLNP/L/14A0708/###/###	708	6,72
FLNP/L/14A0808/###/###	808	7,68
FLNP/L/14A0908/###/###	908	8,64
FLNP/L/14A1008/###/###	1008	9,60
FLNP/L/14A1108/###/###	1108	10,56
FLNP/L/14A1208/###/###	1208	11,52
FLNP/L/14A1308/###/###	1308	12,48
FLNP/L/14A1408/###/###	1408	13,44
FLNP/L/14A1508/###/###	1508	14,40
FLNP/L/14A1608/###/###	1608	15,36
FLNP/L/14A1708/###/###	1708	16,32
FLNP/L/14A1808/###/###	1808	17,28
FLNP/L/14A1908/###/###	1908	18,24
FLNP/L/14A2008/###/###	2008	19,20
Produkt / Product: NP LineRadiant	L (mm)*	Watt
FLNP/L/15A0108/###/###	108	2,4
FLNP/L/15A0208/###/###	208	4,8
FLNP/L/15A0308/###/###	308	7,2
FLNP/L/15A0408/###/###	408	9,6
FLNP/L/15A0508/###/###	508	12,0
FLNP/L/15A0608/###/###	608	14,4
FLNP/L/15A0708/###/###	708	16,8
FLNP/L/15A0808/###/###	808	19,0
FLNP/L/15A0908/###/###	908	21,6
FLNP/L/15A1008/###/###	1008	24,0
FLNP/L/15A1108/###/###	1108	26,4
FLNP/L/15A1208/###/###	1208	28,8
FLNP/L/15A1308/###/###	1308	31,2
FLNP/L/15A1408/###/###	1408	33,6
FLNP/L/15A1508/###/###	1508	36,0
FLNP/L/15A1608/###/###	1608	38,4
FLNP/L/15A1708/###/###	1708	40,8

↑ Base code ↑ Light colour ↑ Cover & Lens

Bitte bei Bestellung die Art.Nr. um die gewünschte Lichtfarbe und Cover / Linse ergänzen. Please complete the item nr. with the desired light colour and cover / lens type.
 * für Außenbereich: max. 1008 mm / for outdoor area: max. 1008 mm

Produkt / Product: NP LineRadiant

Produkt / Product	L (mm)*	Watt
FLNP/L/15A1808/###/###	1808	43,2
FLNP/L/15A1908/###/###	1908	45,6
FLNP/L/15A2008/###/###	2008	48,0

Produkt / Product: NP Line Nova-4

Produkt / Product	L (mm)*	Watt
FLNP/L/06D0108/###/###	108	2,4
FLNP/L/06D0208/###/###	208	4,8
FLNP/L/06D0308/###/###	308	7,2
FLNP/L/06D0408/###/###	408	9,6
FLNP/L/06D0508/###/###	508	12,0
FLNP/L/06D0608/###/###	608	14,4
FLNP/L/06D0708/###/###	708	16,8
FLNP/L/06D0808/###/###	808	19,2
FLNP/L/06D0908/###/###	908	21,6
FLNP/L/06D1008/###/###	1008	24,0
FLNP/L/06D1108/###/###	1108	26,4
FLNP/L/06D1208/###/###	1208	28,8
FLNP/L/06D1308/###/###	1308	31,2
FLNP/L/06D1408/###/###	1408	33,6
FLNP/L/06D1508/###/###	1508	36,0
FLNP/L/06D1608/###/###	1608	38,4
FLNP/L/06D1708/###/###	1708	40,8
FLNP/L/06D1808/###/###	1808	43,2
FLNP/L/06D1908/###/###	1908	45,6
FLNP/L/06D2008/###/###	2008	48,0

Produkt / Product: NP Line Pegasus-3

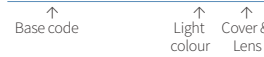
Produkt / Product	L (mm)*	Watt
FLNP/L/09C0108/XKS/###	108	2x2,4
FLNP/L/09C0208/XKS/###	208	2x4,8
FLNP/L/09C0308/XKS/###	308	2x7,2
FLNP/L/09C0408/XKS/###	408	2x9,6
FLNP/L/09C0508/XKS/###	508	2x12,0
FLNP/L/09C0608/XKS/###	608	2x14,4
FLNP/L/09C0708/XKS/###	708	2x16,8
FLNP/L/09C0808/XKS/###	808	2x19,2
FLNP/L/09C0908/XKS/###	908	2x21,6
FLNP/L/09C1008/XKS/###	1008	2x24

Produkt / Product: NP Line Enterprise-3

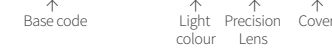
Produkt / Product	L (mm)*	Watt
FLNP/L/08B0108/RGB/###	108	1,8
FLNP/L/08B0208/RGB/###	208	3,6
FLNP/L/08B0308/RGB/###	308	5,4
FLNP/L/08B0408/RGB/###	408	7,2
FLNP/L/08B0508/RGB/###	508	9,0

**Produkt / Product: NP Line Enterprise-3**

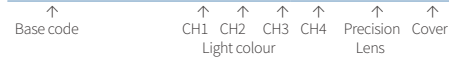
Produkt / Product	L (mm)*	Watt
FLNP/L/08B0608/RGB/###	608	10,8
FLNP/L/08B0708/RGB/###	708	12,6
FLNP/L/08B0808/RGB/###	808	14,4
FLNP/L/08B0908/RGB/###	908	16,2
FLNP/L/08B1008/RGB/###	1008	18,0
FLNP/L/08B1108/RGB/###	1108	19,8
FLNP/L/08B1208/RGB/###	1208	21,6
FLNP/L/08B1308/RGB/###	1308	23,4
FLNP/L/08B1408/RGB/###	1408	25,2
FLNP/L/08B1508/RGB/###	1508	27,0
FLNP/L/08B1608/RGB/###	1608	28,8
FLNP/L/08B1708/RGB/###	1708	30,6
FLNP/L/08B1808/RGB/###	1808	32,4
FLNP/L/08B1908/RGB/###	1908	34,2
FLNP/L/08B2008/RGB/###	2008	36,0

**Produkt / Product: NP Focus-2 1 Channel**

Produkt / Product	L (mm)*	Watt
FLNP/F1C/B0258/### / ### / ###	258	10,5
FLNP/F1C/B0508/### / ### / ###	508	21
FLNP/F1C/B0758/### / ### / ###	758	31,5
FLNP/F1C/B1008/### / ### / ###	1008	42
FLNP/F1C/B1258/### / ### / ###	1258	52,5
FLNP/F1C/B1508/### / ### / ###	1508	63
FLNP/F1C/B1758/### / ### / ###	1758	73,5
FLNP/F1C/B2008/### / ### / ###	2008	84

**Produkt / Product: NP Focus-2 4 Channel**

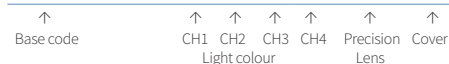
Produkt / Product	L (mm)*	Watt
FLNP/F4C/B0258/### ### ### ### / ### / ###	258	14,1
FLNP/F4C/B0508/### ### ### ### / ### / ###	508	28,2
FLNP/F4C/B0758/### ### ### ### / ### / ###	758	42,3
FLNP/F4C/B1008/### ### ### ### / ### / ###	1008	56,4

**Produkt / Product: NP Darklite 1 Channel**

Produkt / Product	L (mm)*	Watt
FLDL/F1C/B0258/### / ### / ###	258	10,5
FLDL/F1C/B0508/### / ### / ###	508	21
FLDL/F1C/B0758/### / ### / ###	758	31,5
FLDL/F1C/B1008/### / ### / ###	1008	42
FLDL/F1C/B1258/### / ### / ###	1258	52,5
FLDL/F1C/B1508/### / ### / ###	1508	63
FLDL/F1C/B1758/### / ### / ###	1758	73,5
FLDL/F1C/B2008/### / ### / ###	2008	84

**Produkt / Product: Darklite 4 Channel**

Produkt / Product	L (mm)*	Watt
FLDL/F4C/B0258/### ### ### ### / ### / ###	258	14,1
FLDL/F4C/B0508/### ### ### ### / ### / ###	508	28,2
FLDL/F4C/B0758/### ### ### ### / ### / ###	758	42,3
FLDL/F4C/B1008/### ### ### ### / ### / ###	1008	56,4



Bitte bei Bestellung die Art.Nr. um die gewünschte Lichtfarbe und Cover/Linse ergänzen. Please complete the item nr. with the desired light colour and cover/lens type.
 * für Außenbereich: max. 1008 mm / for outdoor area: max. 1008 mm