

VERLICHTING

Frensch LED verlichting



Reken op ons.

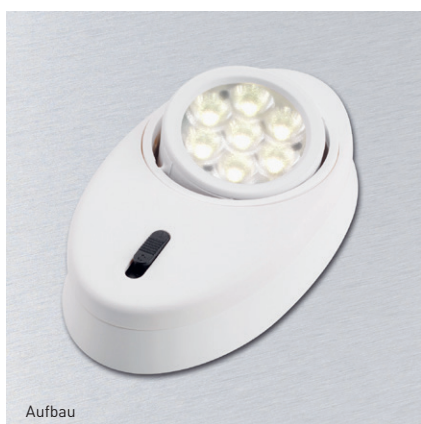
Auerhaan Lelystad is een bedrijf met een zeer lange historie; opgericht in 1885, is het bedrijf een bekende en betrouwbare toeleverancier van producten voor de carrosseriebouw, busbouw, machinebouw, scheepsbouw en jachtbouw. Vele vertegenwoordigingen van gerenommeerde fabrikanten in Europa en daarbuiten maken het productassortiment van Auerhaan tot een zeer breed programma. Het mag u dan ook duidelijk zijn dat de informatie die wij u geven via deze website nooit compleet kan zijn.



F-1

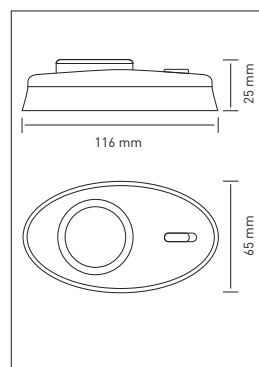
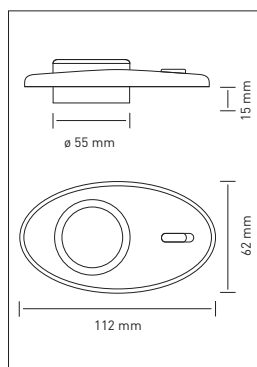
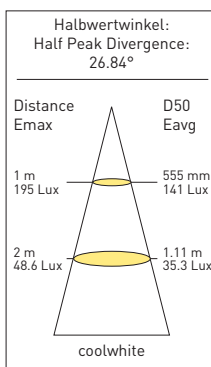


Einbau



Aufbau

Gehäuse Housing	Polycarbonat/ABS Polycarbonate/ABS
Befestigung Mounting	Schrauben Screw
Lichtquelle Light source	7 SMD LED, warm- oder kaltweiß warm- or coolwhite
Schalter Switch	ja yes
Dimmbar Dimmable	nein no
Klasse Class	 
Besonderheiten Features	Dreh- und schwenkbar Revolving and swivelling



Farben | Colors



Technische Daten | Technical Data

Voltage	Watt	Φ-lm	IP
10-30	2	75	IP40

Typ		Switch	Housing Color	Order No.
	F-1 LED 2 Watt Recessed/Surface mount			
	F-1 Recessed 10-30 Volt/DC LED coolwhite	yes	white	4472
	F-1 Recessed 10-30 Volt/DC LED coolwhite	yes	black	4476
	F-1 Recessed 10-30 Volt/DC LED warmwhite	yes	white	5428
	F-1 Recessed 10-30 Volt/DC LED warmwhite	yes	black	5429
	F-1 Surface mount 10-30 Volt/DC LED coolwhite	yes	white	4452
	F-1 Surface mount 10-30 Volt/DC LED coolwhite	yes	black	4456
	F-1 Surface mount 10-30 Volt/DC LED warmwhite	yes	white	5438
	F-1 Surface mount 10-30 Volt/DC LED warmwhite	Yes	black	5439

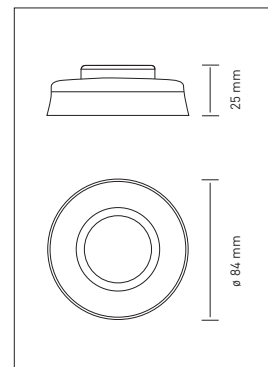
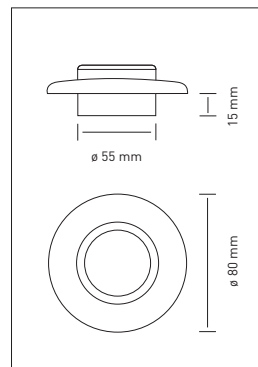
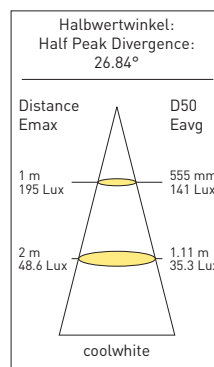


Einbau



Aufbau

Gehäuse Housing	Polycarbonat/ABS Polycarbonate/ABS
Befestigung Mounting	Schrauben oder Klemmen Screw or Snap in
Lichtquelle Light source	7 SMD LED, warm- oder kaltweiß, rot warm- or coolwhite, red
Schalter Switch	nein no
Dimmbar Dimmable	nein no
Klasse Class	
Besonderheiten Features	Dreh- und schwenkbar Revolving and swivelling
Energy Efficiency	
Artikelnr. Part Number	



Farben | Colors



Technische Daten | Technical Data

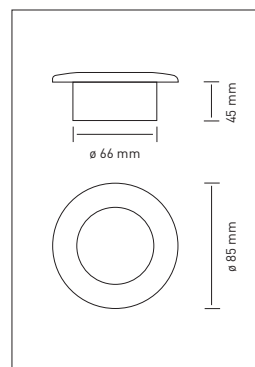
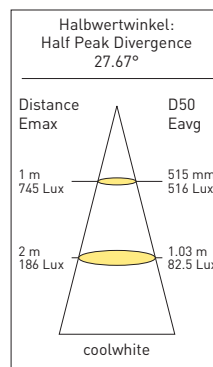
Voltage 10-30	Watt 2	Φ-lm 75	IP40
NIGHT	NIGHT	NIGHT	ECO PLUS

Typ	Switch	Housing Color	Order No.
F-2 LED 2 Watt Recessed/Surface mount			
F-2 Recessed 10-30 Volt/DC LED coolwhite	No	white	4591
F-2 Recessed 10-30 Volt/DC LED coolwhite	No	black	4592
F-2 Recessed 10-30 Volt/DC LED warmwhite	No	white	5448
F-2 Recessed 10-30 Volt/DC LED warmwhite	No	black	5449
F-2 Surface mount 10-30 Volt/DC LED coolwhite	No	white	4611
F-2 Surface mount 10-30 Volt/DC LED coolwhite	No	black	4612
F-2 Surface mount 10-30 Volt/DC LED warmwhite	No	white	5458
F-2 Surface mount 10-30 Volt/DC LED warmwhite	No	black	5459

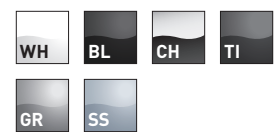
F-19



Gehäuse Housing	Polycarbonat Polycarbonate
Befestigung Mounting	Federn oder Schrauben Spring or Screw
Lichtquelle Light source	1 High Output PowerLED, warm- oder kaltweiß, 2 SMD LED 1 High Output PowerLED, warm- or coolwhite, 2 SMD LED
Schalter Switch	nein no
Dimmbar Dimmable	ja, via externes PWM Signal yes, via external PWM signal
Klasse Class	▽F ◇
Besonderheiten Features	Patenterte Präzisionsoptik Patented high precision optic
Energy Efficiency	A++
Artikelnr. Part Number	siehe Seite 58 see Page 58



Dekorringfarben | Trim ring Colors



Technische Daten | Technical Data



Dekorring bitte separat bestellen.
Trim ring has to be ordered separate.

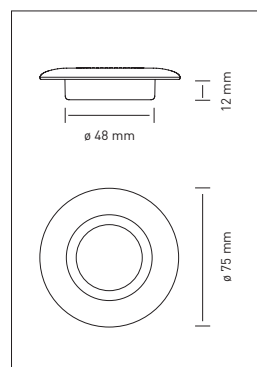
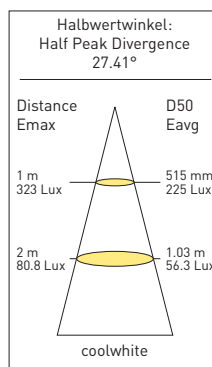
Typ	Switch	Housing Color	Order No.
F-19 LED 6 Watt Recessed			
F-19 basic module recessed 10-30 Volt/DC warmwhite	No		6815
F-19 basic module recessed 10-30 Volt/DC warmwhite Signaldim	No		6816
F-19 basic module recessed 10-30 Volt/DC coolwhite	No		6820
F-19 basic module recessed 10-30 Volt/DC coolwhite Signaldim	No		6821
F-19 LED 6 Watt dimmable + Nightlight Recessed			
F-19 basic module recessed 10-30 Volt/DC warmwhite dim./red	No		6817
F-19 basic module recessed 10-30 Volt/DC coolwhite dim./red	No		6822
F-19 basic module recessed 10-30 Volt/DC warmwhite dim./blue	No		6818
F-19 basic module recessed 10-30 Volt/DC coolwhite dim./blue	No		6823
F-19 basic module recessed 10-30 Volt/DC warmwhite dim./green	No		6819
F-19 basic module recessed 10-30 Volt/DC coolwhite dim./green	No		6824
Dimmable and dimmable/ Nightlight F-19 modules work via third line on ground (Nightlight) or to dimmer R-570.			
F-19 Trim ring			
F-19 Trim ring round Polycarbonate	No	white	6797
F-19 Trim ring round Polycarbonate	No	black	6798
F-19 Trim ring round Polycarbonate	No	grey	6799
F-19 Trim ring round Polycarbonate	No	chrome	6800
F-19 Trim ring round Polycarbonate	No	titanium	6801
F-19 Trim ring round AISI316	No	stainless steel	7125
F-19 Trim ring Quattro Polycarbonate	No	white	6802
F-19 Trim ring Quattro Polycarbonate	No	black	6803
F-19 Trim ring Quattro Polycarbonate	No	grey	6804
F-19 Trim ring Quattro Polycarbonate	No	chrome	6805
F-19 Trim ring Quattro Polycarbonate	No	titanium	6806

F-19Mini

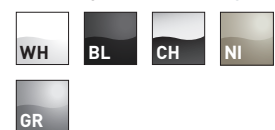


F-19 Mini kaltweiß | Dekorring schwarz
F-19 Mini coolwhite | Trim ring black

Gehäuse Housing	Polycarbonat Polycarbonate
Befestigung Mounting	Edelstahl Schrauben Stainless Steel Screws
Lichtquelle Light source	1 High PowerLED, warm- oder kaltweiß warm- or coolwhite
Schalter Switch	nein no
Dimmbar Dimmable	ja, via externes PWM Signal yes, via external PWM signal
Klasse Class	
Besonderheiten Features	Nachtlicht via 2.+Leitung Nightlight via 2 positive line
Energy Efficiency	
Artikelnr. Part Number	siehe Seite 59 see Page 59



Dekorringfarben | Trim ring colors



Technische Daten | Technical Data

Voltage 10-30	Watt 3	Φ-lm 200	IP50
NIGHT	NIGHT	NIGHT	ECO PLUS

Dekorring bitte separat bestellen
Trim ring has to be ordered separate



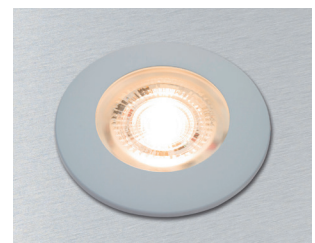
F-19 Mini kaltweiß | Dekorring chrom
F-19 Mini coolwhite | Trim ring chrome



F-19 Mini kaltweiß | Dekorring weiß
F-19 Mini coolwhite | Trim ring white



F-19 Mini warmweiß | Dekorring nickel
F-19 Mini warmwhite | Trim ring nickel



F-19 Mini warmweiß | Dekorring grau
F-19 Mini warmwhite | Trim ring grey

Wasserdichter Einbauspot F-190 | Waterproof Recessed Spot F-190



Lightcolor: coolwhite
Trimring: white



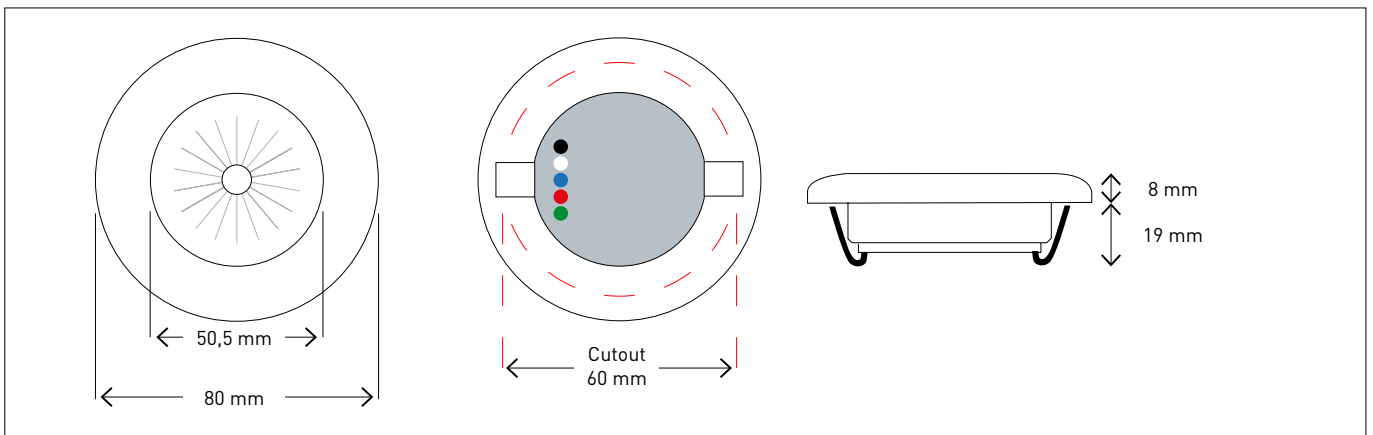
Lightcolor: warmwhite
Trimring: grey



Lightcolor: warmwhite
Trimring: black



Lightcolor: RGB

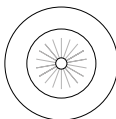


Technische Daten | Technical Data

Typ	F-190
Spannung Voltage	12 or 24 Volt
Leistung Power consumption	2,5 W - Nachtlicht 0,25 je Farbe, Nightlight 0,25 each color
Lichtstrom Luminous flux	ca. 220 Lm
Temperaturbereich Temperature range	-30° - +60°C -22 - +140°F
Abmessungen Dimension	80 mm, cutout 60 mm
Gewicht weight	75 gr
Schutzart Protection class	IP67
Lichtfarbe Light color	kalt- oder warmweiß cool- or warmwhite
Nachtlicht Nightlight	RGB einzeln anwählbar RGB can be selected individually
CRI (Color Rendering Index)	typisch > 70 typically > 70
Lebensdauer Lifetime	> 50.000 Stunden/L70 hours/L70
Schalter Switch	nein no
Dimmbar Dimmable	nein no
Gehäuse Housing	Polycarbonat Polycarbonate
Montage Mounting	zwei Rastnasen, Wandstärke bis 10 mm two locking lugs, wall thickness up to 10 mm
Anschlusskabel Connecting Cord	Länge: ca. 30 cm Length: ca. 19,69 inch
Steuerung Control	Analogsteuerung analog control Transientenschutz transient protection Verpolungsschutzdiode reverse polarity protection diode
Besonderheiten Features	

Montage

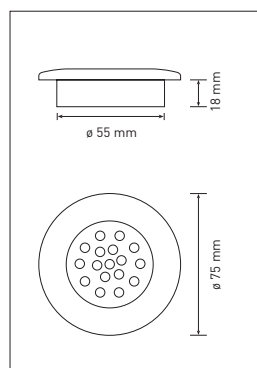
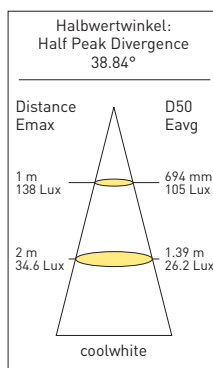


	Typ		Switch	Housing Color	Order No.
	F-190	12 Volt coolwhite 3 Watt IP67	no	white	0575
	F-190	12 Volt warmwhite 3 Watt IP67	no	white	0576
	F-190	12 Volt coolwhite/NL-RGB 3 Watt IP67	no	white	0577
	F-190	12 Volt warmwhite/NL-RGB 3 Watt IP67	no	white	0578
	F-190	24 Volt coolwhite 3 Watt IP67	no	white	0579
	F-190	24 Volt warmwhite 3 Watt IP67	no	white	0580
	F-190	24 Volt coolwhite/NL-RGB 3 Watt IP67	no	white	0581
	F-190	24 Volt warmwhite/NL-RGB 3 Watt IP67	no	white	0582
	F-190	12 Volt coolwhite 3 Watt IP67	no	black	0583
	F-190	12 Volt warmwhite 3 Watt IP67	no	black	0584
	F-190	12 Volt coolwhite/NL-RGB 3 Watt IP67	no	black	0585
	F-190	12 Volt warmwhite/NL-RGB 3 Watt IP67	no	black	0586
	F-190	24 Volt coolwhite 3 Watt IP67	no	black	0587
	F-190	24 Volt warmwhite 3 Watt IP67	no	black	0588
	F-190	24 Volt coolwhite/NL-RGB 3 Watt IP67	no	black	0589
	F-190	24 Volt warmwhite/NL-RGB 3 Watt IP67	no	black	0590
	F-190	12 Volt coolwhite 3 Watt IP67	no	grey	0591
	F-190	12 Volt warmwhite 3 Watt IP67	no	grey	0592
	F-190	12 Volt coolwhite/NL-RGB 3 Watt IP67	no	grey	0593
	F-190	12 Volt warmwhite/NL-RGB 3 Watt IP67	no	grey	0594
	F-190	24 Volt coolwhite 3 Watt IP67	no	grey	0595
	F-190	24 Volt warmwhite 3 Watt IP67	no	grey	0596
	F-190	24 Volt coolwhite/NL-RGB 3 Watt IP67	no	grey	0597
	F-190	24 Volt warmwhite/NL-RGB 3 Watt IP67	no	grey	0598

F-14



Gehäuse Housing	Polycarbonat Polycarbonate
Befestigung Mounting	Federn und Klemmen Spring and Snap in
Lichtquelle Light source	17 SMD LED, warm- oder kaltweiß warm- or coolwhite
Schalter Switch	nein no
Dimmbar Dimmable	nein no
Klasse Class	
Besonderheiten Features	Nachtlicht via 2.+Leitung Nightlight via 2 positive line



Farben | Colors



Technische Daten | Technical Data

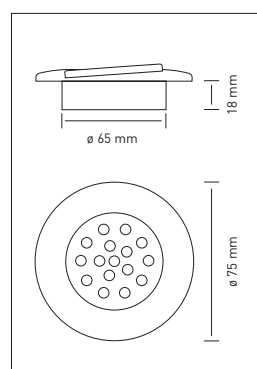
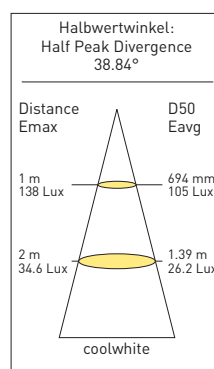
Voltage	Watt	Φ - lm	IP40
10-30	2	100	
NIGHT	NIGHT	NIGHT	

Typ		Switch	Housing Color	Order No.
	F-14 LED 2 Watt Recessed			
	F-14 10-30 Volt/DC coolwhite	no	white	6366
	F-14 10-30 Volt/DC coolwhite	no	black	6367
	F-14 10-30 Volt/DC coolwhite	no	grey	6368
	F-14 10-30 Volt/DC warmwhite	no	white	6369
	F-14 10-30 Volt/DC warmwhite	no	black	6370
	F-14 10-30 Volt/DC warmwhite	no	grey	6371
	F-14 LED Nightlight 2 Watt Recessed			
	F-14 10-30 Volt/DC coolwhite/blue	no	white	6372
	F-14 10-30 Volt/DC coolwhite/blue	no	black	6373
	F-14 10-30 Volt/DC coolwhite/blue	no	grey	6374
	F-14 10-30 Volt/DC warmwhite/blue	no	white	6375
	F-14 10-30 Volt/DC warmwhite/blue	no	black	6376
	F-14 10-30 Volt/DC warmwhite/blue	no	grey	6377
	F-14 10-30 Volt/DC coolwhite/red	no	white	6378
	F-14 10-30 Volt/DC coolwhite/red	no	black	6379
	F-14 10-30 Volt/DC coolwhite/red	no	grey	6380
	F-14 10-30 Volt/DC warmwhite/red	no	white	6381
	F-14 10-30 Volt/DC warmwhite/red	no	black	6382
	F-14 10-30 Volt/DC warmwhite/red	no	grey	6383
	F-14 with Nightlight green on request. F-14 Nightlight connection via third positive line.			

F-15



Gehäuse Housing	Polycarbonat Polycarbonate
Befestigung Mounting	Klemmen Snap in
Lichtquelle Light source	17 SMD LED, warm- oder kaltweiß warm- or coolwhite
Schalter Switch	nein no
Dimmbar Dimmable	nein no
Klasse Class	VF
Besonderheiten Features	Dreh- und schwenkbar, Nachtlicht via 2.+Leitung Revolving and swivelling, Nightlight via 2 positive line



Farben | Colors



Technische Daten | Technical Data

Voltage	Watt	Φ-lm	IP
10-30	2	100	40
NIGHT	NIGHT	NIGHT	

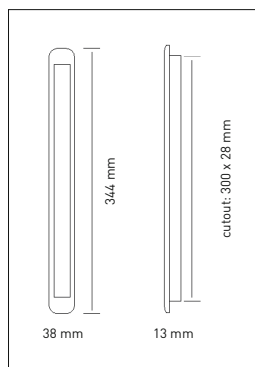
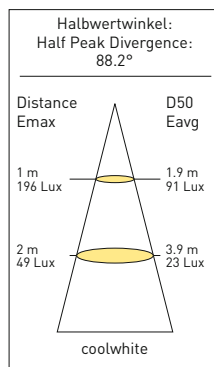
Typ		Switch	Housing Color	Order No.
	F-15 LED 2 Watt Recessed			
	F-15 10-30 Volt/DC coolwhite	no	white	6384
	F-15 10-30 Volt/DC coolwhite	no	black	6385
	F-15 10-30 Volt/DC coolwhite	no	grey	6386
	F-15 10-30 Volt/DC warmwhite	no	white	6387
	F-15 10-30 Volt/DC warmwhite	no	black	6388
	F-15 10-30 Volt/DC warmwhite	no	grey	6389
	F-15 LED Nightlight 2 Watt Recessed			
	F-15 10-30 Volt/DC coolwhite/blue	no	white	6390
	F-15 10-30 Volt/DC coolwhite/blue	no	black	6391
	F-15 10-30 Volt/DC coolwhite/blue	no	grey	6392
	F-15 10-30 Volt/DC warmwhite/blue	no	white	6393
	F-15 10-30 Volt/DC warmwhite/blue	no	black	6394
	F-15 10-30 Volt/DC warmwhite/blue	no	grey	6395
	F-15 10-30 Volt/DC coolwhite/red	no	white	6396
	F-15 10-30 Volt/DC coolwhite/red	no	black	6397
	F-15 10-30 Volt/DC coolwhite/red	no	grey	6398
	F-15 10-30 Volt/DC warmwhite/red	no	white	6399
	F-15 10-30 Volt/DC warmwhite/red	no	black	6400
	F-15 10-30 Volt/DC warmwhite/red	no	grey	6401
	F-15 with Nightlight green on request. F-15 Nightlight connection via third positive line.			

F-20 LED



Gehäuse Housing	Polycarbonat Polycarbonate
Befestigung Mounting	Schrauben Screw
Lichtquelle Light source	24 MidPower LED, warm oder kaltweiß warm- or coolwhite
Schalter Switch	ja (beleuchteter Touchsensor) / nein yes (illuminated Touchsensor) / no
Dimmbar Dimmable	ja, via externes PWM Signal yes, via external PWM signal
Klasse Class	
Besonderheiten Features	RGB+W Version erhältlich RGB-W version available

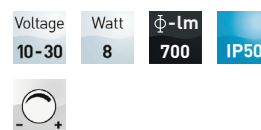
Dekorring in verschiedenen Farben erhältlich. Bitte separat bestellen.
Trim ring in different colors available. Please order separately.



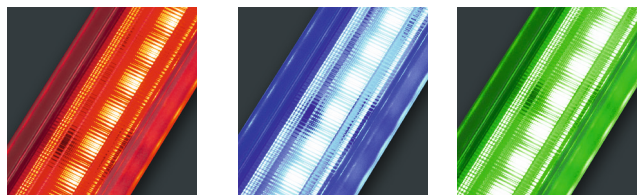
Dekorringfarben | Trim ring colors



Technische Daten | Technical Data

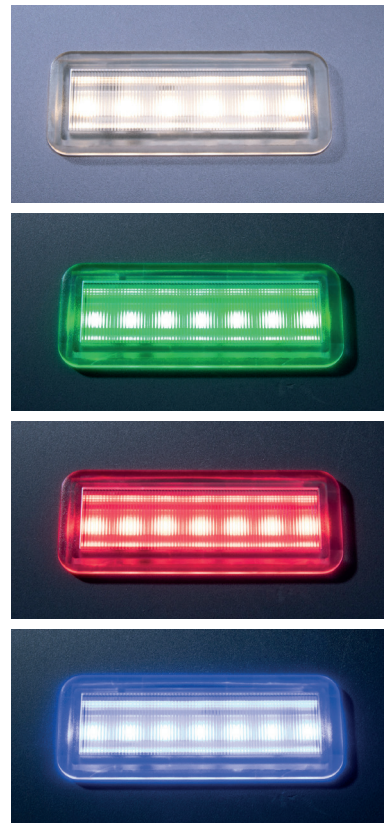


Auch als RGB+W Version lieferbar.
Also available as RGB+W version.



Typ	Switch	Housing Color	Order No.
F-20 LED 8 Watt Recessed			
F-20 10-30 Volt/DC coolwhite	no	clear	7165
F-20 10-30 Volt/DC warmwhite	no	clear	7174
F-20 10-30 Volt/DC warmwhite Signaldim	no	clear	7173
F-20 10-30 Volt/DC coolwhite Signaldim	no	clear	7164
For all F-20 are trim rings in various colors as option available. Dimmable via third line.			
F-20 Trim ring			
F-20 Trim ring Polycarbonate	no	white	7193
F-20 Trim ring Polycarbonate	no	black	7194
F-20 Trim ring Polycarbonate	no	grey	7252
F-20 Trim ring Polycarbonate	no	chrome	7197
F-20 Trim ring Polycarbonate	no	chrome matt	7302
F-20 Trim ring Polycarbonate	no	nickel	7196

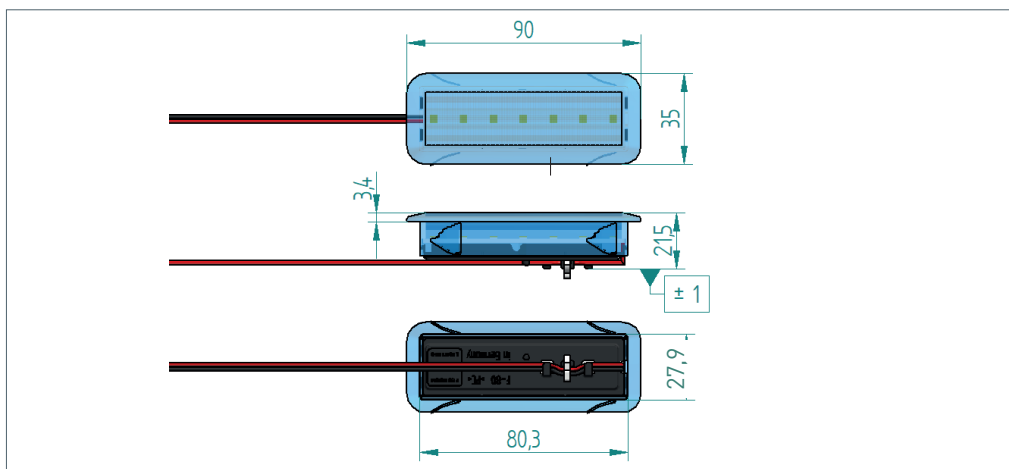
F-80 LED



Technische Daten | Technical Data

Typ	F-80
Spannung Voltage	12 oder 24 Volt
Spannungsbereich Voltage range	10,5 – 18 V 22 – 28 V
Leistung Power consumption	2,5 Watt
Lichtstrom Luminous flux	ca. 250 Lumen
Temperaturbereich Temperature range	-40° – +60°C -40° – +140°F
Abmessungen Dimension	90 x 35 x 21,5 mm, Cutout: 81 x 28 mm
Gewicht weight	34 gramm
Schalter switch	nein / no
Schutzart Protection class	IP50
Lichtfarbe Light color	coolwhite ca. 6.000 K, neutralwhite ca. 4.000 K, warmwhite ca. 3.000 K
CRI (Color Rendering Index)	> 80
Lebensdauer Lifetime	> 50.000 Stunden/L70 hours/L70
Dimmbar Dimmable	ja, mit PWM-Signal yes, with PWM-signal
Gehäuse Housing	Polycarbonat, UV-stabilisiert, selbstverlöschend Polycarbonate, UV-stabilized, self-extinguishing
Anschlusskabel Connecting Cord	ca. 14 cm (AWG20)
Steuerung Control	analog, transientenschutz, verpolungsschutz Analog, transient protection, reverse polarity
Montage Montage	Klemmen snap in

Abmessungen | Dimensions:



Einbauinformationen:

- Für ausreichende Luftzirkulation ist zu sorgen
- Montagefläche muss den Wärmeabtransport sicherstellen können.
- Bitte beachten Sie die Absicherung der Kabelzuleitung (externe Vorsicherung)

Installation Information:

- Sufficient air circulation must be ensured.
- Mounting surface must be able to guarantee heat dissipation.
- Please consider securing the cable supply line (external fuse protection).

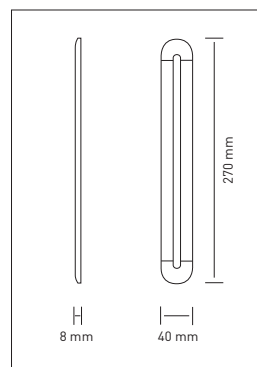
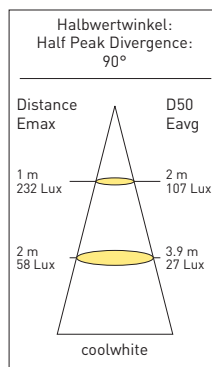
Technische Änderungen vorbehalten - Subject to technical modifications.

	Typ	Switch	Housing Color	Order No.
	F-180			
	F-80 LED 12 Volt DC, warmwhite	no	transparent/clear	1185
	F-80 LED 12 Volt DC, coolwhite	no	transparent/clear	1186
	F-80 LED 12 Volt DC, neutralwhite	no	transparent/clear	1187
	F-80 LED 12 Volt DC, RGB-W	no	transparent/clear	1188
	F-80 LED 12 Volt DC, red	no	transparent/clear	1189
	F-80 LED 12 Volt DC, green	no	transparent/clear	1190
	F-80 LED 12 Volt DC, blue	no	transparent/clear	1191
	F-80 LED 24 Volt DC, warmwhite	no	transparent/clear	1192
	F-80 LED 24 Volt DC, coolwhite	no	transparent/clear	1193
	F-80 LED 24 Volt DC, neutralwhite	no	transparent/clear	1194
	F-80 LED 24 Volt DC, RGB-W	no	transparent/clear	1195
	F-80 LED 24 Volt DC, red	no	transparent/clear	1196
	F-80 LED 24 Volt DC, green	no	transparent/clear	1197
	F-80 LED 24 Volt DC, blue	no	transparent/clear	1198

F-22



Gehäuse Housing	Polycarbonat Polycarbonate
Befestigung Mounting	Schrauben Screw
Lichtquelle Light source	24 MidPower LED, warm- oder kaltweiß warm- or coolwhite
Schalter Switch	ja/nein yes/no
Dimmbar Dimmable	nein no
Klasse Class	
Besonderheiten Features	beleuchteter Touchsensor-Schalter Illuminated Touchsensor switch



Farben | Colors



Technische Daten | Technical Data

Voltage	Watt	Φ-lm	IP67
10-30	8	600	
NIGHT	NIGHT	NIGHT	

Typ	Switch	Housing Color	Order No.
F-22 LED 8 Watt Surface mount			
F-22 10-30 Volt/DC coolwhite	no	clear/white	7319
F-22 10-30 Volt/DC coolwhite	TouchSensor	clear/white	7321
F-22 10-30 Volt/DC warmwhite	no	clear/white	7320
F-22 10-30 Volt/DC warmwhite	TouchSensor	clear/white	7322
F-22 LED 8 Watt Nightlight Surface mount			
F-22 10-30 Volt/DC coolwhite/red	no	clear/white	7324
F-22 10-30 Volt/DC coolwhite/red	TouchSensor	clear/white	7326
F-22 10-30 Volt/DC coolwhite/blue	no	clear/white	7323
F-22 10-30 Volt/DC coolwhite/blue	TouchSensor	clear/white	7327
F-22 10-30 Volt/DC coolwhite/green	no	clear/white	7325
F-22 10-30 Volt/DC coolwhite/green	TouchSensor	clear/white	7328
F-22 10-30 Volt/DC warmwhite/red	no	clear/white	7329
F-22 10-30 Volt/DC warmwhite/red	TouchSensor	clear/white	7333
F-22 10-30 Volt/DC warmwhite/blue	no	clear/white	7330
F-22 10-30 Volt/DC warmwhite/blue	TouchSensor	clear/white	7334
F-22 10-30 Volt/DC warmwhite/green	no	clear/white	7331
F-22 10-30 Volt/DC warmwhite/green	TouchSensor	clear/white	7335
F-22 Nightlight connection via third positive line.			
F-22 LED 8 Watt Doubletouch Nightlight Surface mount			
F-22 DT 10-30 Volt/DC coolwhite/red	2x TouchSensor	clear/white	7366
F-22 DT 10-30 Volt/DC coolwhite/blue	2x TouchSensor	clear/white	7367
F-22 DT 10-30 Volt/DC coolwhite/green	2x TouchSensor	clear/white	7368
F-22 DT 10-30 Volt/DC warmwhite/red	2x TouchSensor	clear/white	7353
F-22 DT 10-30 Volt/DC warmwhite/blue	2x TouchSensor	clear/white	7354
F-22 DT 10-30 Volt/DC warmwhite/green	2x TouchSensor	clear/white	7355
F-22 DT with 2 TouchSensor = 1 for white main light and 1 for Nightlight. Connecting via two (+/-) wires.			

SERIE F-110

F-110.3

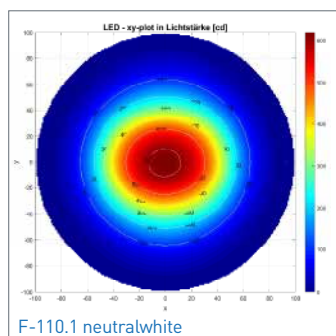
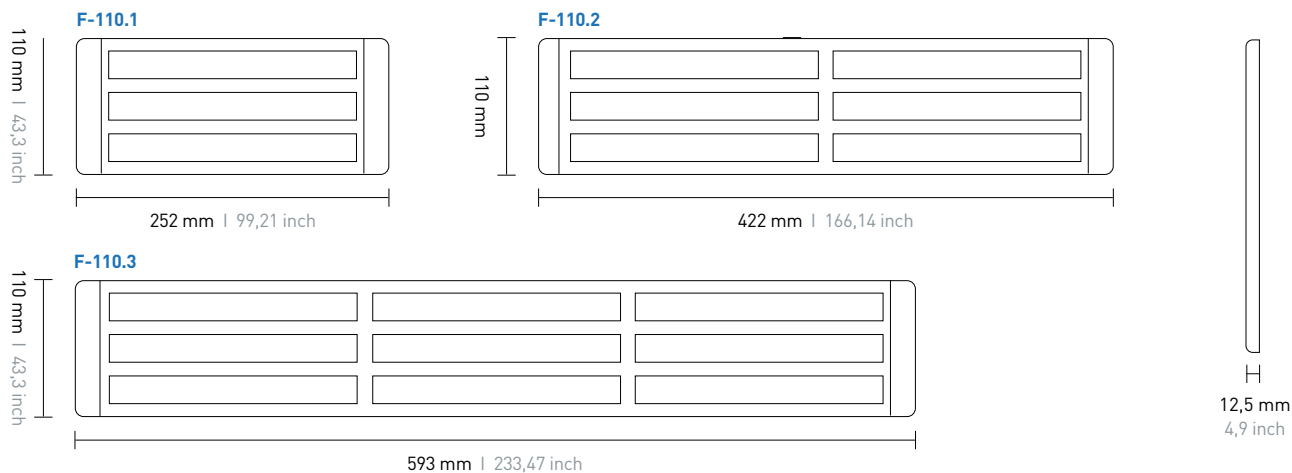
F-110.2

F-110.1



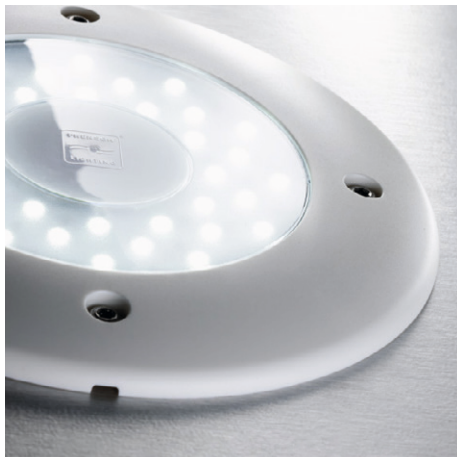
Technische Daten | Technical Data

Typ	F-110.1	F-110.2	F-110.3
Spannung Voltage	12 + 24 Volt	12 + 24 Volt	12 + 24 Volt
Spannungsbereich Voltage range	11,6 – 16 V 22 – 28 V	11,6 – 16 V 22 – 28 V	11,6 – 16 V 22 – 28 V
Leistung Power consumption	14 W	28 W	41 W
Lichtstrom Luminous flux	ca. 1.500 Lm	ca. 3.000 Lm	ca. 4.500 Lm
Temperaturbereich Temperature range	-30° – +60°C -22° – +140°F	-30° – +60°C -22° – +140°F	-30° – +60°C -22° – +140°F
Abmessungen Dimension	252 x 110 x 12,5 mm	422 x 110 x 12,5 mm	593 x 110 x 12,5 mm
Gewicht weight	370 gramm	650 gramm	950 gramm
Schutzart Protection class	IP67		
Lichtfarbe Light color	neutral- oder kaltweiß neutral- or coolwhite (ca. 4.000 K, 5.700 K)		
CRI (Color Rendering Index)	> 80		
Lebensdauer Lifetime	> 50.000 Stunden/L70 hours/L70		
Dimmbar Dimmable	nein no		
Gehäuse Housing	Aluminium eloxiert, PC Aluminum anodized, PC		
Anschlusskabel Connecting Cord	separat erhältlich in 1–5 mtr. available separately in 393,70 – 1968,50 inch		
Besonderheiten Features	erweiterbar zu einem Lichtband über Connector expandable to a light band via connector		

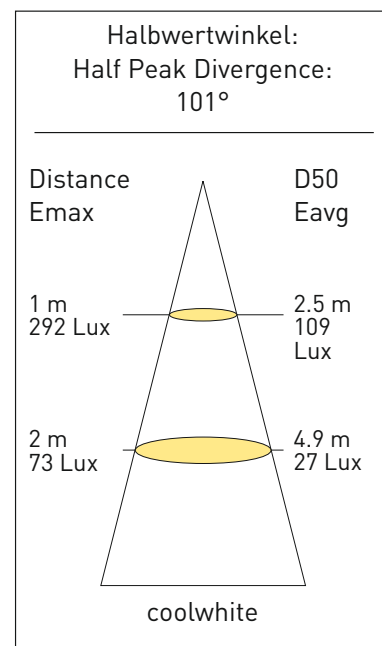
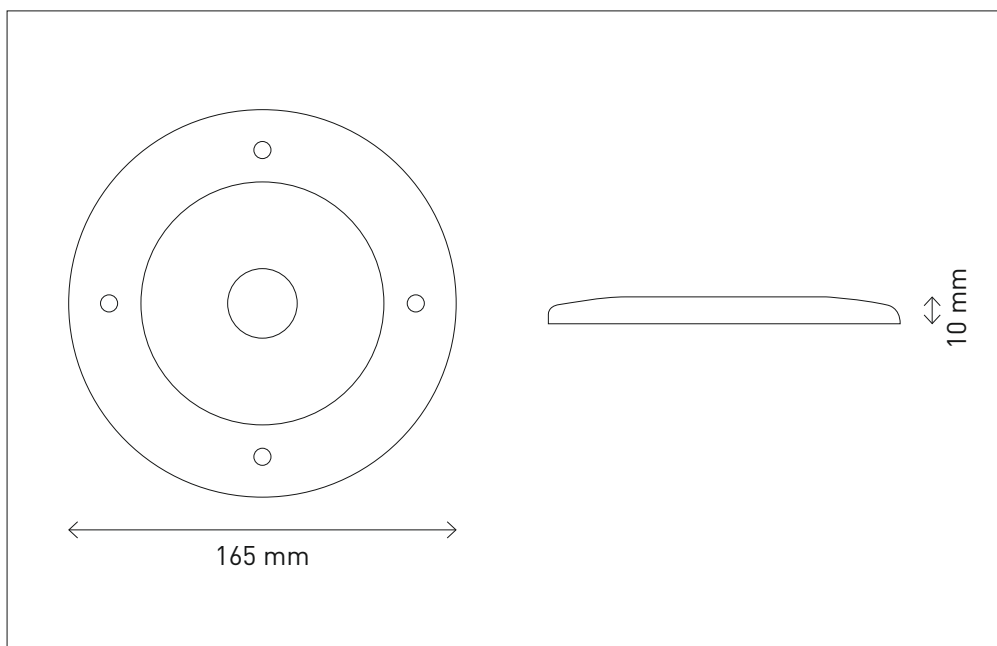


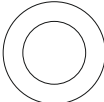
	Typ	Housing Color	Order No.
	F-110.1 - 252 mm		
	F-110.1 12 Volt/DC 14 W coolwhite IP67	aluminum/grey	1300
	F-110.1 24 Volt/DC 14 W coolwhite IP67	aluminum/grey	1301
	F-110.1 12 Volt/DC 14 W neutralwhite IP67	aluminum/grey	1302
	F-110.1 24 Volt/DC 14 W neutralwhite IP67	aluminum/grey	1303
	F-110.2 - 422 mm		
	F-110.2 12 Volt/DC 28 W coolwhite IP67	aluminum/grey	1308
	F-110.2 24 Volt/DC 28 W coolwhite IP67	aluminum/grey	1309
	F-110.2 12 Volt/DC 28 W neutralwhite IP67	aluminum/grey	1310
	F-110.2 24 Volt/DC 28 W neutralwhite IP67	aluminum/grey	1311
	F-110.3 - 593 mm		
	F-110.3 12 Volt/DC 41 W coolwhite IP67	aluminum/grey	1315
	F-110.3 24 Volt/DC 41 W coolwhite IP67	aluminum/grey	1316
	F-110.3 12 Volt/DC 41 W neutralwhite IP67	aluminum/grey	1317
	F-110.3 24 Volt/DC 41 W neutralwhite IP67	aluminum/grey	1318
	Connection cord and accessories		
	F-110 Connecting cord 1.000 mm 393,70 inch	grey	1326
	F-110 Connecting cord 2.000 mm 787,40 inch	grey	1327
	F-110 Connecting cord 3.000 mm 1181,10 inch	grey	1328
	F-110 Connecting cord 4.000 mm 1574,80 inch	grey	1329
	F-110 Connecting cord 5.000 mm 1968,50 inch	grey	1330
	F-110 Connector for lightband	grey	1344

F-21

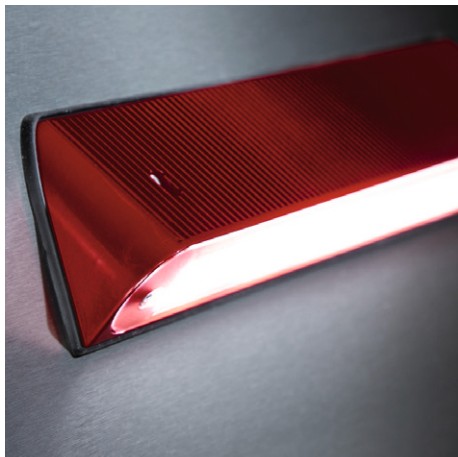


Technische Daten Technical Data	
Typ	F-21
Spannung Voltage	10 – 30 Volt (Multivolt)
Leistung Power consumption	10 W
Lichtstrom Luminous flux	ca. 800 Lm
Temperaturbereich Temperature range	-30° – +60°C -22 – +140°F
Abmessungen Dimension	ø 165 mm, Höhe 10 mm Height 10 mm
Gewicht weight	220 gramm
Schutzart Protection class	IP67
Lichtfarbe Light color	kalt- oder warmweiß cool- or warmwhite (ca. 6.500 K, 3.000 K)
Nachtlicht Nightlight	ja, optional (rot, blau, grün) yes, optional (red, blue, green)
CRI (Color Rendering Index)	> 80
Lebensdauer Lifetime	> 50.000 Stunden/L70 hours/L70
Schalter Switch	mit Tochsensor oder ohne with Touchsensor or without
Dimmbar Dimmable	nein no
Gehäuse Housing	Polycarbonat Polycarbonate
Anschlusskabel Connecting Cord	2-adrig, Länge: 50 cm 2-wire, Length: 50 cm
Besonderheiten Features	Beleuchteter Touchsensor-Schalter Illuminated Touchsensor

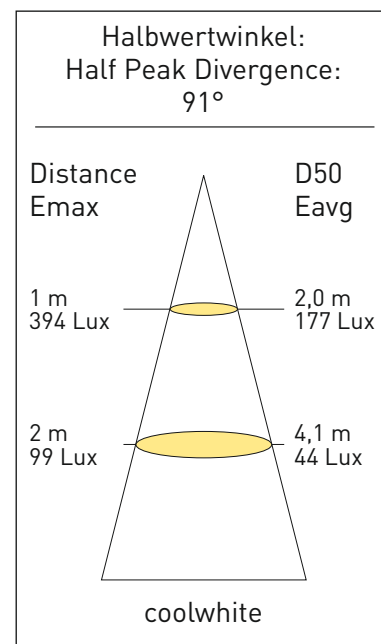
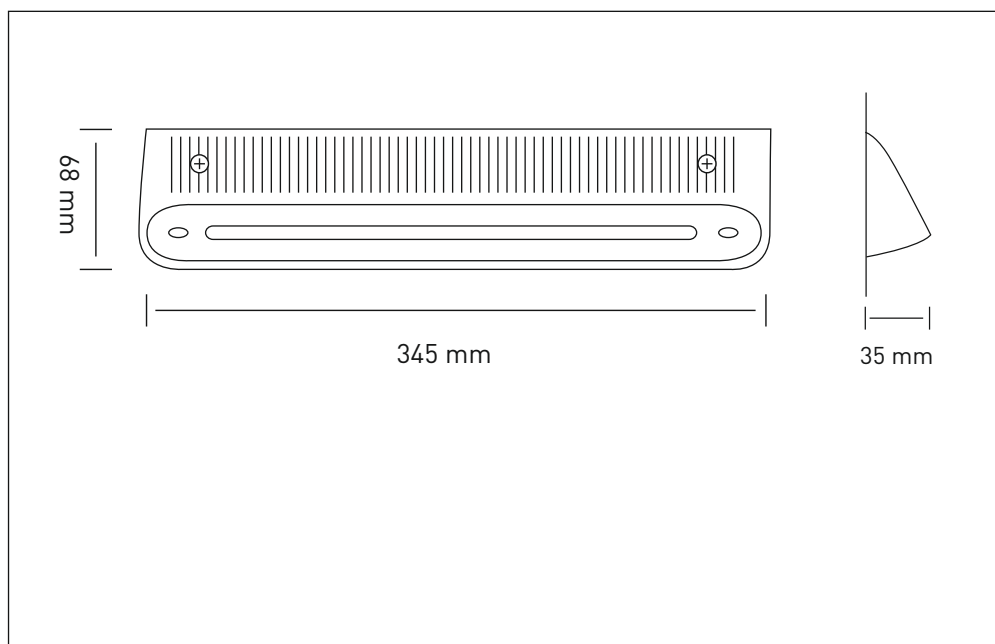


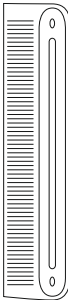
	Typ		Switch	Housing-Color	Order-No.
	F-21 LED 10 Watt Surface mont	Nachtlicht			
	F-21 10-30 Volt/DC coolwhite		no	white	7600
	F-21 10-30 Volt/DC coolwhite		TouchSensor	white	7601
	F-21 10-30 Volt/DC warmwhite		no	white	7602
	F-21 10-30 Volt/DC warmwhite		TouchSensor	white	7603
	F-21 LED Nightlight 10 Watt Surface mount				
	F-21 10-30 Volt/DC coolwhite	red	no	white	7604
	F-21 10-30 Volt/DC coolwhite	red	TouchSensor	white	7610
	F-21 10-30 Volt/DC coolwhite	blue	no	white	7606
	F-21 10-30 Volt/DC coolwhite	blue	TouchSensor	white	7612
	F-21 10-30 Volt/DC coolwhite	green	no	white	7608
	F-21 10-30 Volt/DC coolwhite	blue	TouchSensor	white	7614
	F-21 10-30 Volt/DC warmwhite	red	no	white	7605
	F-21 10-30 Volt/DC warmwhite	red	TouchSensor	white	7611
	F-21 10-30 Volt/DC warmwhite	blue	no	white	7607
	F-21 10-30 Volt/DC warmwhite	blue	TouchSensor	white	7613
	F-21 10-30 Volt/DC warmwhite	blue	no	white	7609
	F-21 10-30 Volt/DC warmwhite	blue	TouchSensor	white	7615
	F-21 Nightlight connection via third positive line.				

F-25S



Technische Daten Technical Data	
Typ	F-25S
Spannung Voltage	10 – 30 Volt (Multivolt)
Leistung Power consumption	17 W
Lichtstrom Luminous flux	ca. 1.200 Lm
Temperaturbereich Temperature range	-30° – +60°C -22 – +140°F
Abmessungen Dimension	345 x 68 mm
Gewicht weight	675 gramm
Schutzart Protection class	IP67
Lichtfarbe Light color	kalt- oder warmweiß cool- or warmwhite (ca. 6.500 K, 3.000 K)
Nachtlicht Nightlight	nein no
CRI (Color Rendering Index)	> 80
Lebensdauer Lifetime	> 50.000 Stunden/L70 hours/L70
Schalter Switch	nein no
Dimmbar Dimmable	nein no
Gehäuse Housing	Aluminium Aluminum
Anschlusskabel Connecting Cord	2-adrig, Länge: 50 cm 2-wire, Length: 50 cm
Besonderheiten Features	

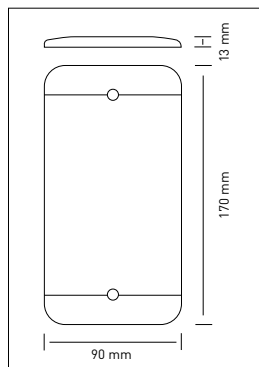
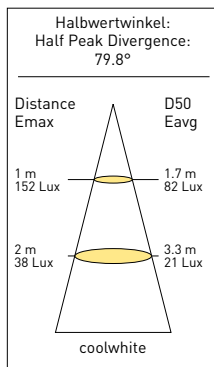


Type		Switch	Housing Color	Order No.
	F-25S LED 17 Watt Surface mount			
	F-25S 10-30 Volt/DC coolwhite	no	white	7663
	F-25S 10-30 Volt/DC warmwhite	no	white	7664
	F-25S 10-30 Volt/DC coolwhite	no	red	7443
	F-25S 10-30 Volt/DC warmwhite	no	red	7444
	F-25S 10-30 Volt/DC coolwhite	no	anthra	7463
	F-25S 10-30 Volt/DC warmwhite	no	anthra	7464
	Dimmable F-25 S work via third wire to dimmer R-570			

F-28



Gehäuse Housing	Polycarbonat Polycarbonate
Befestigung Mounting	Schrauben Screw
Lichtquelle Light source	28 MidPower LED, warm- oder kaltweiß 28 MidPower LED, warm- or coolwhite
Schalter Switch	nein oder Touchsensor no or Touchsensor
Dimmbar Dimmable	auf Anfrage on request
Klasse Class	VF III
Besonderheiten Features	Doppel-Touchsensor bei Nachtlicht-Version Double-Touchsensor by Nightlight-Version Zulassung in USA, explosionsgeschützt Ignition protected, ISO 8846/NMMA
Energy Efficiency	A++
Artikelnr. Part Number	siehe Seite 64 see Page 64



Farben | Colors



Technische Daten | Technical Data

Voltage	Watt	Φ-lm	IP67	Ex
10-30	7	600	IP67	Ex
NIGHT	NIGHT	NIGHT	ECO PLUS	

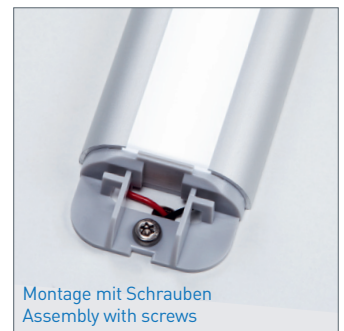
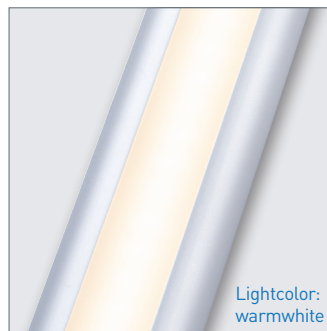
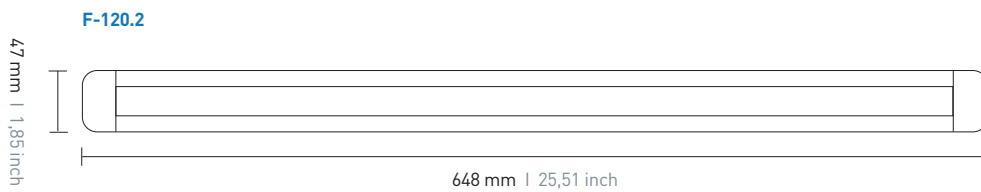
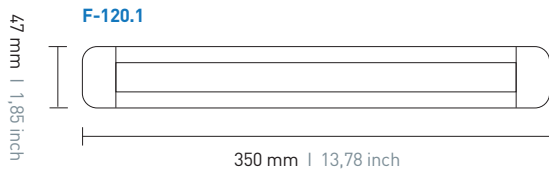
Typ	Switch	Housing Color	Order No.
F-28 LED 7 Watt Surface mount			
F-28 10-30 Volt/DC LED coolwhite	No	clear	8040
F-28 10-30 Volt/DC LED coolwhite	TouchSensor	clear	8041
F-28 10-30 Volt/DC LED warmwhite	No	clear	8050
F-28 10-30 Volt/DC LED warmwhite	TouchSensor	clear	8051
F-28 10-30 Volt/DC LED red	No	clear	8036
F-28 10-30 Volt/DC LED blue	No	clear	8037
F-28 10-30 Volt/DC LED green	No	clear	8038
F-28 LED 7 Watt Nightlight red Surface mount			
F-28 10-30 Volt/DC LED coolwhite/red	No	clear	8042
F-28 10-30 Volt/DC LED warmwhite/red	No	clear	8052
F-28 LED 7 Watt Nightlight blue Surface mount			
F-28 10-30 Volt/DC LED coolwhite/blue	No	clear	8043
F-28 10-30 Volt/DC LED warmwhite/blue	No	clear	8053
F-28 LED 7 Watt Nightlight green Surface mount			
F-28 10-30 Volt/DC LED coolwhite/green	No	clear	8044
F-28 10-30 Volt/DC LED warmwhite/green	No	clear	8054
F-28 Nightlight connection via third positive line.			
F-28 LED 7 Watt Doubletouch Nightlight red Surface mount			
F-28 10-30 Volt/DC LED coolwhite/red	2x TouchSensor	clear	8045
F-28 10-30 Volt/DC LED warmwhite red	2x TouchSensor	clear	8055
F-28 LED 7 Watt Doubletouch Nightlight blue Surface mount			
F-28 10-30 Volt/DC LED coolwhite/blue	2x TouchSensor	clear	8046
F-28 10-30 Volt/DC LED warmwhite/blue	2x TouchSensor	clear	8056
F-28 LED 7 Watt Doubletouch Nightlight green Surface mount			
F-28 10-30 Volt/DC LED coolwhite/green	2x TouchSensor	clear	8047
F-28 10-30 Volt/DC LED warmwhite/green	2x TouchSensor	clear	8057

SERIE F-120



Technische Daten | Technical Data

Typ	F-120.1	F-120.2
Spannung Voltage	12 24 Volt (Dualvolt)	12 24 Volt (Dualvolt)
Leistung Power consumption	7 W	14 W
Lichtstrom Luminous flux	ca. 500 Lm	ca. 1.000 Lm
Temperaturbereich Temperature range	-30° – +60°C -22 – +140°F	-30° – +60°C -22 – +140°F
Abmessungen Dimension	350 x 47 x 15 mm	654 x 47 x 15 mm
Gewicht weight	195 gr	385 gr
Schutzart Protection class	IP50	
Lichtfarbe Light color	kalt- oder warmweiß cool- or warmwhite (ca. 5.700 K, 3.000 K)	
CRI (Color Rendering Index)	> 80	
Lebensdauer Lifetime	> 50.000 Stunden/L70 hours/L70	
Schalter Switch	mit und ohne with or without	
Dimmbar Dimmable	nein no	
Gehäuse Housing	Aluminium eloxiert, PC Aluminum anodized, PC	
Anschlusskabel Connecting Cord	2-adrig, Länge: 50 cm 2-wire, Length: 19,69 inch	



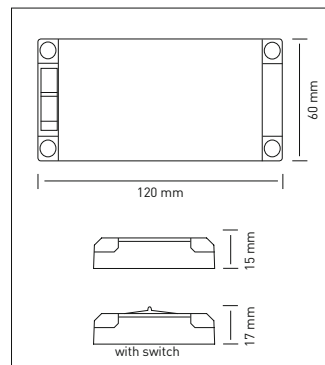
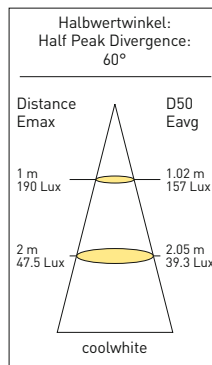
	Typ	Switch	Housing Color	Order No.
	F-120.1 - 350 mm			
	F-120.1 Dualvolt 12 24 V, coolwhite	no	aluminum/grey	1350
	F-120.1 Dualvolt 12 24 V, coolwhite	yes	aluminum/grey	1351
	F-120.1 Dualvolt 12 24 V, warmwhite	no	aluminum/grey	1352
	F-120.1 Dualvolt 12 24 V, warmwhite	yes	aluminum/grey	1353
	F-120.2 - 648 mm			
	F-120.2 Dualvolt 12 24 V, coolwhite	no	aluminum/grey	1363
	F-120.2 Dualvolt 12 24 V, coolwhite	yes	aluminum/grey	1364
	F-120.2 Dualvolt 12 24 V, warmwhite	no	aluminum/grey	1365
	F-120.2 Dualvolt 12 24 V, warmwhite	yes	aluminum/grey	1366

F-70



Auch mit Magnet-schalter lieferbar.
Also available with magnetic switch.

Gehäuse Housing	Polycarbonat Polycarbonate
Befestigung Mounting	Schrauben Screw
Lichtquelle Light source	24 MidPower LED, kaltweiß coolwhite
Schalter Switch	ja beleuchtet / nein yes illuminated / no
Klasse Class	
Dimmbar Dimmable	nein no
Besonderheiten Features	



Farben | Colors



Technische Daten | Technical Data

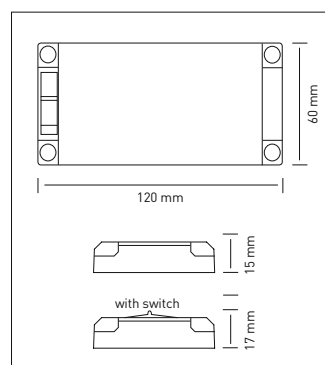
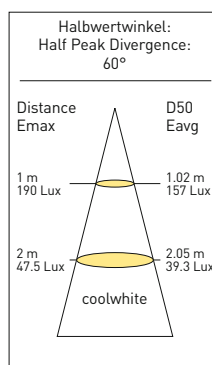
Voltage	Watt	Φ-lm	IP
12 24	5	400	IP50

F-70 Heavy Duty



Auch mit Magnet-schalter lieferbar.
Also available with magnetic switch.

Gehäuse Housing	Polycarbonat HT Polycarbonate HT
Befestigung Mounting	Schrauben Screw
Lichtquelle Light source	24 MidPower LED, kaltweiß coolwhite
Schalter Switch	ja beleuchtet / nein yes illuminated / no
Klasse Class	
Dimmbar Dimmable	nein no
Besonderheiten Features	erweiterter Temperaturbereich -40 – +100 °C, 3 m. Anschlussleitung extended temperature range -40 – +100 °C, 3 m. connecting cord



Farben | Colors



Technische Daten | Technical Data

Voltage	Watt	Φ-lm	IP
12 24	5	400	IP67

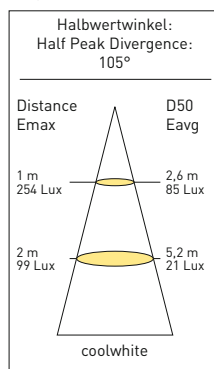
Typ	Switch	Housing Color	Order No.
F-70 Standard			
F-70 12 24 Volt/DC coolwhite	yes illuminated	clear	0518
F-70 12 24 Volt/DC coolwhite	no	clear	0519
F-70 Heavy Duty			
F-70 HD 12 24 Volt/DC coolwhite	yes illuminated	clear	0516
F-70 HD 12 24 Volt/DC coolwhite	no	clear	0517

F-40 LED Line

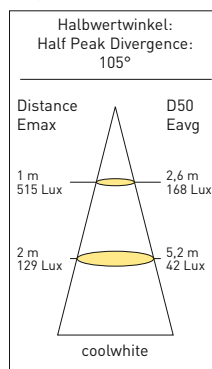


Gehäuse Housing	Aluminium eloxiert, Polycarbonat Aluminum anodized, Polycarbonate
Befestigung Mounting	Edelstahlschrauben stainless steel Screw
Lichtquelle Light source	42/84/126/168 MidPower LED, warm- or coolwhite
Schalter Switch	ja/nein yes/no
Dimmbar Dimmable	nein no
Klasse Class	F III
Besonderheiten Features	Sonderlängen bis 3000 mm auf Anfrage, Dualvolt 12 + 24 Vdc Custom length up to 3000 mm on request, Dualvolt 12 + 24 Vdc

F-40.1



F-40.2

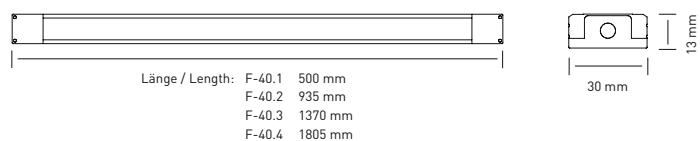


Farben | Colors



Technische Daten | Technical Data

V-Dual			
12+24		IP50	
Watt	Watt	Watt	Watt
9	18	27	36
Φ-lm	Φ-lm	Φ-lm	Φ-lm
700	1400	2100	2800



Typ	Switch	Housing Color	Order No.
F-40.1 LED 9 Watt 500 mm Surface mount			
F-40.1 12+24 Volt/DC coolwhite	no	anodized/black	4001
F-40.1 12+24 Volt/DC coolwhite	Yes	anodized/black	4002
F-40.1 12+24 Volt/DC warmwhite	no	anodized/black	4003
F-40.1 12+24 Volt/DC warmwhite	Yes	anodized/black	4004
F-40.2 LED 18 Watt 935 mm Surface mount			
F-40.2 12+24 Volt/DC coolwhite	no	anodized/black	4008
F-40.2 12+24 Volt/DC coolwhite	Yes	anodized/black	4009
F-40.2 12+24 Volt/DC warmwhite	no	anodized/black	4010
F-40.2 12+24 Volt/DC warmwhite	Yes	anodized/black	4011
F-40.3 LED 27 Watt 1370 mm Surface mount			
F-40.3 12+24 Volt/DC coolwhite	no	anodized/black	4015
F-40.3 12+24 Volt/DC coolwhite	Yes	anodized/black	4016
F-40.3 12+24 Volt/DC warmwhite	no	anodized/black	4017
F-40.3 12+24 Volt/DC warmwhite	Yes	anodized/black	4018
F-40.4 LED 36 Watt 1805 mm Surface mount			
F-40.4 12+24 Volt/DC coolwhite	no	anodized/black	4022
F-40.4 12+24 Volt/DC coolwhite	Yes	anodized/black	4023
F-40.4 12+24 Volt/DC warmwhite	no	anodized/black	4024
F-40.4 12+24 Volt/DC warmwhite	Yes	anodized/black	4025
F-40 Dualvolt: 11-16 and 17-29 Volt DC			

F-100



Gehäuse Housing	Aluminium / Polycarbonat Aluminum / Polycarbonate
Befestigung Mounting	Schrauben Screw
Lichtquelle Light source	24/48/72/96 MidPower LED, warm- und kaltweiß, rot, grün, blau 24/48/72/96 MidPower LED, warm- and coolwhite red, green, blue
Schalter Switch	nein no
Dimmbar Dimmable	nein no
Klasse Class	⚡ ⚡
Besonderheiten Features	Anschlussleitung 1500 mm Connection cord 1500 mm
Artikelnr. Part Number	siehe Seite 78-79 see Page 79-79

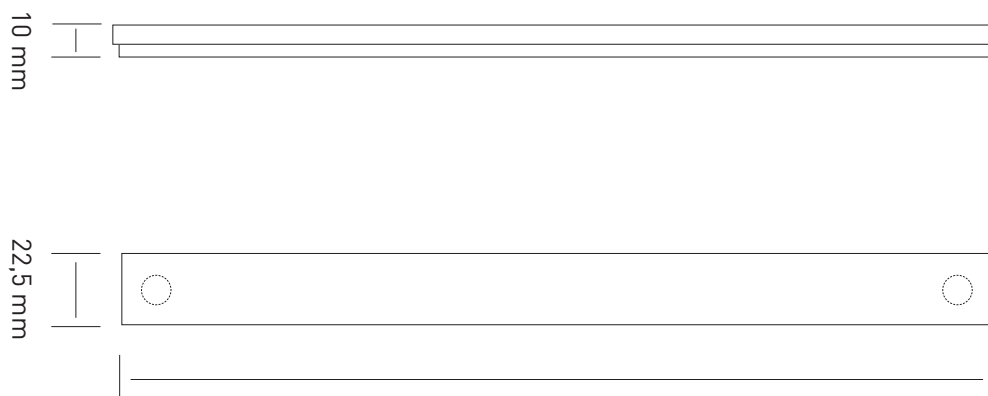


Farben | Colors



Technische Daten | Technical Data

V-Dual	Watt	Watt	Watt	Watt
12+24	6	12	18	24
IP50	Φ-Lm	Φ-Lm	Φ-Lm	Φ-Lm
	400	800	1200	1600



F-100.1 = 500 mm
F-100.2 = 955 mm
F-100.3 = 1410 mm
F-100.4 = 1865 mm

	F-100 Standard with cover IP 50 Singlevolt - 500 mm	Switch	Housing Color	Order No.
	F-100.1 coolwhite 12VDC 6 Watt - 500 mm with cover IP50	no	anodized/white	0104
	F-100.1 coolwhite 24VDC 6 Watt - 500 mm with cover IP50	no	anodized/white	0105
	F-100.1 warmwhite 12VDC 6 Watt - 500 mm with cover IP50	no	anodized/white	0106
	F-100.1 warmwhite 24VDC 6 Watt - 500 mm with cover IP50	no	anodized/white	0107
	F-100.1 rot 12VDC 6 Watt - 500 mm with cover IP50	no	anodized/white	0108
	F-100.1 rot 24VDC 6 Watt - 500 mm with cover IP50	no	anodized/white	0109
	F-100.1 grün 12VDC 6 Watt - 500 mm with cover IP50	no	anodized/white	0110
	F-100.1 grün 24VDC 6 Watt - 500 mm with cover IP50	no	anodized/white	0111
	F-100.1 blau 12VDC 6 Watt - 500 mm with cover IP50	no	anodized/white	0112
	F-100.1 blau 24VDC 6 Watt - 500 mm with cover IP50	no	anodized/white	0113
	F-100 Standard with cover IP 50 Singlevolt - 955 mm			
	F-100.2 coolwhite 12VDC 12 Watt - 955 mm with cover IP50	no	anodized/white	0115
	F-100.2 coolwhite 24VDC 12 Watt - 955 mm with cover IP50	no	anodized/white	0116
	F-100.2 warmwhite 12VDC 12 Watt - 955 mm with cover IP50	no	anodized/white	0117
	F-100.2 warmwhite 24VDC 12 Watt - 955 mm with cover IP50	no	anodized/white	0118
	F-100.2 rot 12VDC 12 Watt - 955 mm with cover IP50	no	anodized/white	0119
	F-100.2 rot 24VDC 12 Watt - 955 mm with cover IP50	no	anodized/white	0120
	F-100.2 grün 12VDC 12 Watt - 955 mm with cover IP50	no	anodized/white	0121
	F-100.2 grün 24VDC 12 Watt - 955 mm with cover IP50	no	anodized/white	0122
	F-100.2 blau 12VDC 12 Watt - 955 mm with cover IP50	no	anodized/white	0123
	F-100.2 blau 24VDC 12 Watt - 955 mm with cover IP50	no	anodized/white	0124
	F-100 Standard with cover IP 50 Singlevolt - 1410 mm			
	F-100.3 coolwhite 12VDC 18 Watt - 1410 mm with cover IP50	no	anodized/white	0126
	F-100.3 coolwhite 24VDC 18 Watt - 1410 mm with cover IP50	no	anodized/white	0127
	F-100.3 warmwhite 12VDC 18 Watt - 1410 mm with cover IP50	no	anodized/white	0128
	F-100.3 warmwhite 24VDC 18 Watt - 1410 mm with cover IP50	no	anodized/white	0129
	F-100.3 rot 12VDC 18 Watt - 1410 mm with cover IP50	no	anodized/white	0130
	F-100.3 rot 24VDC 18 Watt - 1410 mm with cover IP50	no	anodized/white	0131
	F-100.3 grün 12VDC 18 Watt - 1410 mm with cover IP50	no	anodized/white	0132
	F-100.3 grün 24VDC 18 Watt - 1410 mm with cover IP50	no	anodized/white	0133
	F-100.3 blau 12VDC 18 Watt - 1410 mm with cover IP50	no	anodized/white	0134
	F-100.3 blau 24VDC 18 Watt - 1410 mm with cover IP50	no	anodized/white	0135
	F-100 Standard with cover IP 50 Singlevolt 1865 mm			
	F-100.4 coolwhite 12VDC 24 Watt - 1865 mm with cover IP50	no	anodized/white	0137
	F-100.4 coolwhite 24VDC 24 Watt - 1865 mm with cover IP50	no	anodized/white	0138
	F-100.4 warmwhite 12VDC 24 Watt - 1865 mm with cover IP50	no	anodized/white	0139
	F-100.4 warmwhite 24VDC 24 Watt - 1865 mm with cover IP50	no	anodized/white	0140
	F-100.4 rot 12VDC 24 Watt - 1865 mm with cover IP50	no	anodized/white	0141
	F-100.4 rot 24VDC 24 Watt - 1865 mm with cover IP50	no	anodized/white	0142
	F-100.4 grün 12VDC 24 Watt - 1865 mm with cover IP50	no	anodized/white	0143
	F-100.4 grün 24VDC 24 Watt - 1865 mm with cover IP50	no	anodized/white	0144
	F-100.4 blau 12VDC 24 Watt - 1865 mm with cover IP50	no	anodized/white	0145
	F-100.4 blau 24VDC 24 Watt - 1865 mm with cover IP50	no	anodized/white	0146

F-100 HEAVY DUTY



Gehäuse Housing	Aluminium / Polycarbonat Aluminum / Polycarbonate
Befestigung Mounting	Schrauben Screw
Lichtquelle Light source	24/48/72/96 MidPower LED, warm- und kaltweiß, rot, grün, blau 24/48/72/96 MidPower LED, warm- and coolwhite red, green, blue
Schalter Switch	nein no
Dimmbar Dimmable	nein no
Klasse Class	 
Besonderheiten Features	Anschlussleitung 1500 mm Connection cord 1500 mm
Artikelnr. Part Number	siehe Seite 78-79 see Page 79-79

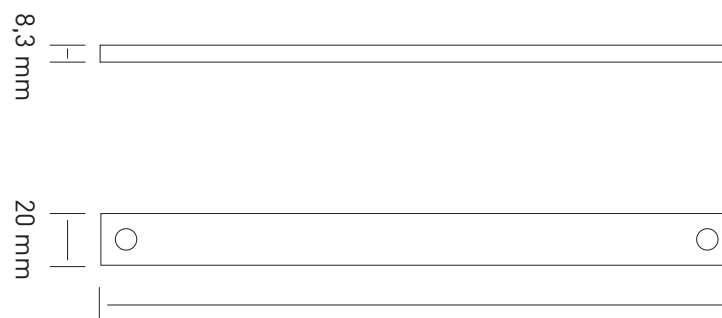


Farben | Colors



Technische Daten | Technical Data

V-Dual	Watt	Watt	Watt	Watt
12+24	6	12	18	24
IP67	Φ-lm	Φ-lm	Φ-lm	Φ-lm
IP67	400	800	1200	1600



F-100.1 = 500 mm
F-100.2 = 955 mm
F-100.3 = 1410 mm
F-100.4 = 1865 mm

F-100 HEAVY DUTY

	F-100 Heavy Duty vergossen IP 67 Singlevolt - 500 mm	Switch	Color	Order No.
	F-100.1 HD coolwhite 12VDC 6 Watt - 500 mm IP67	no	anodized	0148
	F-100.1 HD coolwhite 24VDC 6 Watt - 500 mm IP67	no	anodized	0149
	F-100.1 HD rot 12VDC 6 Watt - 500 mm IP67	no	anodized	0150
	F-100.1 HD rot 24VDC 6 Watt - 500 mm IP67	no	anodized	0151
	F-100.1 HD grün 12VDC 6 Watt - 500 mm IP67	no	anodized	0152
	F-100.1 HD grün 24VDC 6 Watt - 500 mm IP67	no	anodized	0153
	F-100.1 HD blau 12VDC 6 Watt - 500 mm IP67	no	anodized	0154
	F-100.1 HD blau 24VDC 6 Watt - 500 mm IP67	no	anodized	0155
	F-100 Heavy Duty vergossen IP 67 Singlevolt - 955 mm			
	F-100.2 HD coolwhite 12VDC 12 Watt - 955 mm IP67	no	anodized	0157
	F-100.2 HD coolwhite 24VDC 12 Watt - 955 mm IP67	no	anodized	0158
	F-100.2 HD rot 12VDC 12 Watt - 955 mm IP67	no	anodized	0159
	F-100.2 HD rot 24VDC 12 Watt - 955 mm IP67	no	anodized	0160
	F-100.2 HD grün 12VDC 12 Watt - 955 mm IP67	no	anodized	0161
	F-100.2 HD grün 24VDC 12 Watt - 955 mm IP67	no	anodized	0162
	F-100.2 HD blau 12VDC 12 Watt - 955 mm IP67	no	anodized	0163
	F-100.2 HD blau 24VDC 12 Watt - 955 mm IP67	no	anodized	0164
	F-100 Heavy Duty vergossen IP 67 Singlevolt - 1410 mm			
	F-100.3 HD coolwhite 12VDC 18 Watt - 1410 mm IP67	no	anodized	0166
	F-100.3 HD coolwhite 24VDC 18 Watt - 1410 mm IP67	no	anodized	0167
	F-100.3 HD rot 12VDC 18 Watt - 1410 mm IP67	no	anodized	0168
	F-100.3 HD rot 24VDC 18 Watt - 1410 mm IP67	no	anodized	0169
	F-100.3 HD grün 12VDC 18 Watt - 1410 mm IP67	no	anodized	0170
	F-100.3 HD grün 24VDC 18 Watt - 1410 mm IP67	no	anodized	0171
	F-100.3 HD blau 12VDC 18 Watt - 1410 mm IP67	no	anodized	0172
	F-100.3 HD blau 24VDC 18 Watt - 1410 mm IP67	no	anodized	0173
	F-100 Heavy Duty vergossen IP 67 Singlevolt - 1865 mm			
	F-100.4 HD coolwhite 12VDC 24 Watt - 1865 mm IP67	no	anodized	0175
	F-100.4 HD coolwhite 24VDC 24 Watt - 1865 mm IP67	no	anodized	0176
	F-100.4 HD rot 12VDC 24 Watt - 1865 mm IP67	no	anodized	0177
	F-100.4 HD rot 24VDC 24 Watt - 1865 mm IP67	no	anodized	0178
	F-100.4 HD grün 12VDC 24 Watt - 1865 mm IP67	no	anodized	0179
	F-100.4 HD grün 24VDC 24 Watt - 1865 mm IP67	no	anodized	0180
	F-100.4 HD blau 12VDC 24 Watt - 1865 mm IP67	no	anodized	0181
	F-100.4 HD blau 24VDC 24 Watt - 1865 mm IP67	no	anodized	0182

F-30 LED Stream



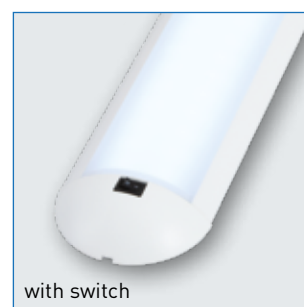
coolwhite



warmwhite



without switch



with switch



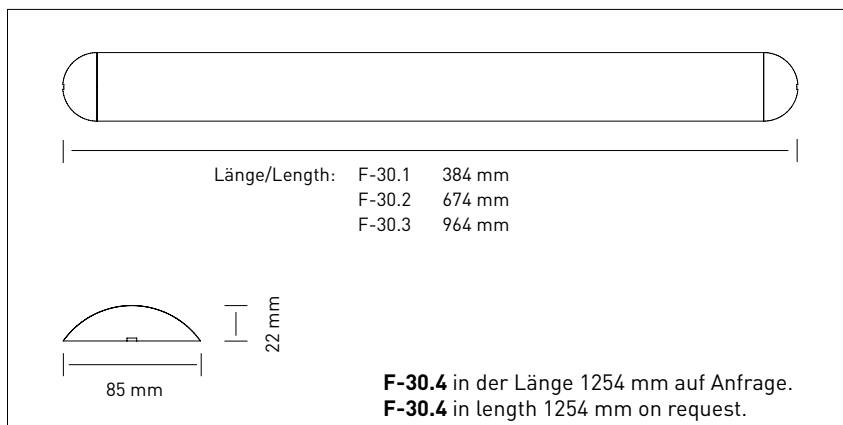
Nightlight blue



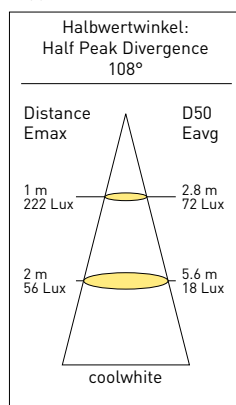
Nightlight green



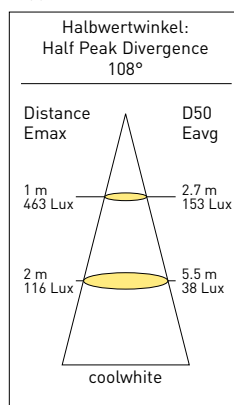
Nightlight red



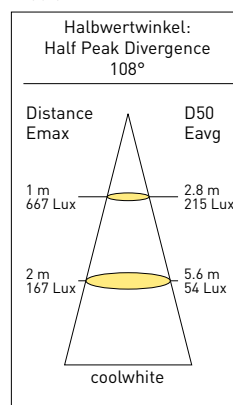
F-30.1



F-30.2



F-30.3



Technische Daten | Technical Data

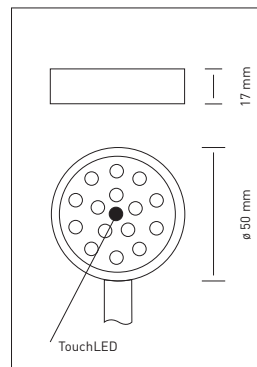
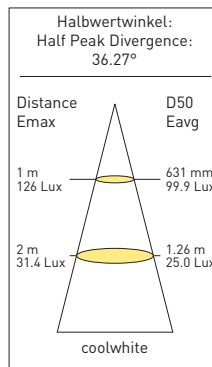
Typ	F-30.1	F-30.2	F-30.2
Spannung Voltage	12 + 24 Volt	12 + 24 Volt	12 + 24 Volt
Spannungsbereich Voltage range	11,6 – 16 V 22 – 28 V	11,6 – 16 V 22 – 28 V	11,6 – 16 V 22 – 28 V
Leistung Power consumption	8 W	16 W	24 W
Lichtstrom Luminous flux	ca. 600 Lm	ca. 1.300 Lm	ca. 1.900 Lm
Temperaturbereich Temperature range	-30° – +60°C -22° – +140°F	-30° – +60°C -22° – +140°F	-30° – +60°C -22° – +140°F
Abmessungen Dimension	384 x 85 x 22 mm	674 x 85 x 22 mm	964 x 85 x 22 mm
Gewicht weight	305 gramm	570 gramm	853 gramm
Schutzart Protection class	IP67		
Lichtfarbe Light color	warm-, kaltweiß oder RGB-W neutral-, coolwhite or RGB-W		
CRI (Color Rendering Index)	> 80		
Lebensdauer Lifetime	> 50.000 Stunden/L70 hours/L70		
Dimmbar Dimmable	ja yes		
Gehäuse Housing	Aluminium eloxiert, PC Aluminum anodized, PC		
Anschlusskabel Connecting Cord	50 cm 19,685 inch		
Besonderheiten Features			

Typ	Switch	Housing Color	Order No.
	F-30.1 LED 8 Watt 384 mm Surface mount Powerdim		
F-30.1 12 Volt/DC coolwhite	no	white	0300
F-30.1 12 Volt/DC coolwhite	yes	white	0302
F-30.1 24 Volt/DC coolwhite	no	white	0304
F-30.1 24 Volt/DC coolwhite	yes	white	0306
F-30.1 12 Volt/DC warmwhite	no	white	0301
F-30.1 12 Volt/DC warmwhite	yes	white	0303
F-30.1 24 Volt/DC warmwhite	no	white	0305
F-30.1 24 Volt/DC warmwhite	yes	white	0307
F-30.1 12 Volt/DC coolwhite/RGB Nightlight	no	white	0308
F-30.1 24 Volt/DC coolwhite/RGB Nightlight	no	white	0310
F-30.1 12 Volt/DC warmwhite/RGB Nightlight	no	white	0309
F-30.1 24 Volt/DC warmwhite/RGB Nightlight	no	white	0311
F-30.1 LED 2x 8 Watt Bi-color 384mm Surface mount Powerdim			
F-30.1 12 Volt/DC coolwhite/warmwhite	no	white	0312
F-30.1 24 Volt/DC coolwhite/warmwhite	no	white	0313
F-30.1 12 Volt/DC coolwhite/warmwhite/RGB Nightlight	no	white	0314
F-30.1 24 Volt/DC coolwhite/warmwhite/RGB Nightlight	no	white	0315
Only one color in operation! Not both colors together. Caution! Overload.			
F-30.2 LED 16 Watt 674 mm Surface mount Powerdim			
F-30.2 12 Volt/DC coolwhite	no	white	0316
F-30.2 12 Volt/DC coolwhite	yes	white	0318
F-30.2 24 Volt/DC coolwhite	no	white	0320
F-30.2 24 Volt/DC coolwhite	yes	white	0322
F-30.2 12 Volt/DC warmwhite	no	white	0317
F-30.2 12 Volt/DC warmwhite	yes	white	0319
F-30.2 24 Volt/DC warmwhite	no	white	0321
F-30.2 24 Volt/DC warmwhite	yes	white	0323
F-30.2 12 Volt/DC coolwhite/RGB Nightlight	no	white	0324
F-30.2 24 Volt/DC coolwhite/RGB Nightlight	no	white	0326
F-30.2 12 Volt/DC warmwhite/RGB Nightlight	no	white	0325
F-30.2 24 Volt/DC warmwhite/RGB Nightlight	no	white	0327
F-30.2 LED 2x 16 Watt Bi-color 674 mm Surface mount Powerdim			
F-30.2 12 Volt/DC coolwhite/warmwhite	no	white	0328
F-30.2 24 Volt/DC coolwhite/warmwhite	no	white	0329
F-30.2 12 Volt/DC coolwhite warmwhite/RGB Nightlight	no	white	0330
F-30.2 24 Volt/DC coolwhite/warmwhite/RGB Nightlight	no	white	0331
Only one color in operation! Not both colors together. Caution! Overload.			
F-30.3 LED 24 Watt 964 mm Surface mount Powerdim			
F-30.3 12 Volt/DC coolwhite	no	white	0332
F-30.3 12 Volt/DC coolwhite	yes	white	0334
F-30.3 24 Volt/DC coolwhite	no	white	0336
F-30.3 24 Volt/DC coolwhite	yes	white	0338
F-30.3 12 Volt/DC warmwhite	no	white	0333
F-30.3 12 Volt/DC warmwhite	yes	white	0335
F-30.3 24 Volt/DC warmwhite	no	white	0337
F-30.3 24 Volt/DC warmwhite	yes	white	0339
F-30.3 12 Volt/DC coolwhite/RGB Nightlight	no	white	0340
F-30.3 24 Volt/DC coolwhite/RGB Nightlight	no	white	0342
F-30.3 12 Volt/DC warmwhite/RGB Nightlight	no	white	0341
F-30.3 24 Volt/DC warmwhite/RGB Nightlight	no	white	0343
F-30.3 LED 2x 24 Watt Bi-color 964 mm Surface mount Powerdim			
F-30.3 12 Volt/DC coolwhite/warmwhite	No	white	0344
F-30.3 24 Volt/DC coolwhite/warmwhite	No	white	0345
F-30.3 12 Volt/DC coolwhite/warmwhite/RGB Nightlight	No	white	0346
F-30.3 24 Volt/DC coolwhite/warmwhite/RGB Nightlight	No	white	0347
F-30.4 LED 32 Watt 1254 mm auf Anfrage/on request			

F-4 TASK-LIGHT



Gehäuse Housing	Aluminium, Stahl Aluminum, Steel
Befestigung Mounting	Schrauben Screw
Lichtquelle Light source	15x 5 mm LED kaltweiß coolwhite, 1x 5 mm LED rot red
Schalter Switch	ja, per TouchLED yes, via TouchLED
Dimmbar Dimmable	nein no
Klasse Class	 
Besonderheiten Features	M=300 mm, L=500 mm
Energy Efficiency	
Artikelnr. Part Number	



Farben | Colors



Technische Daten | Technical Data

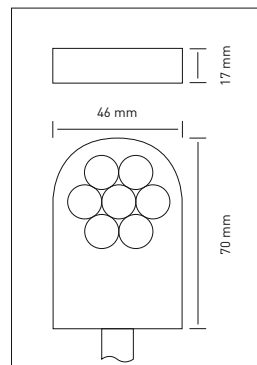
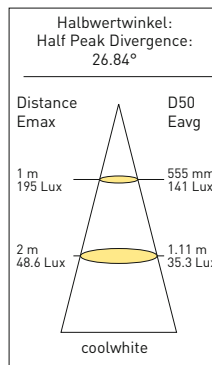
Voltage 10-30	Watt 2	Φ-Lm 85	
			

Typ	Switch	Housing Color	Order No.
F-4 TASK LIGHT TouchLED 2 Watt Surface mount			
F-4 M 10-30 Volt/DC coolwhite/red	TouchLED	black	6267
F-4 M-BH 10-30 Volt/DC coolwhite/red	TouchLED	black	6272
F-4 L 10-30 Volt/DC coolwhite/red	TouchLED	black	6481
F-4 L-BH 10-30 Volt/DC coolwhite/red	TouchLED	black	6275

F-26 TASK-LIGHT



Gehäuse Housing	PC/ABS, Aluminium, Messing PC/ABS, Aluminum, Brass
Befestigung Mounting	Schrauben Screw
Lichtquelle Light source	7 SMD LED, kaltweiß oder rot coolwhite or red
Schalter Switch	beleuchteter Touchsensor illuminated Touchsensor
Dimmbar Dimmable	nein no
Klasse Class	 
Besonderheiten Features	M=300 mm, L=500 mm

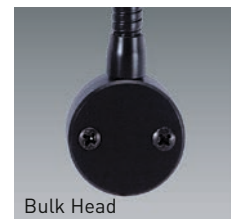


Farben | Colors



Technische Daten | Technical Data

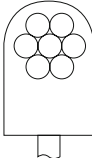
Voltage	Watt	Φ-Lm	IP
10-30	2	75	IP50



Bulk Head

Die **F-26 TaskLight**, mit ihrer neu konzipierten High-Precision-Optik, ist lieferbar in kaltweiß oder in rot. Schaltbar ist sie über die beleuchtete Touch-Funktion auf der Rückseite. Die mit komplett roten LEDs erhaltene Leuchte ist speziell für den Navigationsbereich gedacht.

The **F-26 TaskLight** with its newly designed optical systems is available with coolwhite or red LEDs. It is switchable via the illuminated Touchsensorfunction on the back of the lamp. The version with complete red LEDs was developed especially for navigation areas.

Typ		Switch	Housing Color	Order No.
	F-26 LED 2 Watt Task Light			
	F-26 M 10-30 Volt/DC coolwhite	TouchSensor	black	8020
	F-26 M-BH 10-30 Volt/DC coolwhite	TouchSensor	black	8021
	F-26 L 10-30 Volt/DC coolwhite	TouchSensor	black	8022
	F-26 L-BH 10-30 Volt/DC coolwhite	TouchSensor	black	8023
	F-26 M 10-30 Volt/DC red	TouchSensor	black	8024
	F-26 M-BH 10-30 Volt/DC red	TouchSensor	black	8025
	F-26 L 10-30 Volt/DC red	TouchSensor	black	8026
	F-26 L-BH 10-30 Volt/DC red	TouchSensor	black	8027

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Reken op ons.

