

A close-up photograph of a vibrant green fern frond. The frond is the central focus, showing its intricate, feathery structure with many small leaflets. The background is dark and out of focus, highlighting the texture and color of the fern. The lighting is soft, creating a natural and serene atmosphere.

VIZULO

FERN

V 220 - 240
Hz 50 - 60
W 600mm 12 - 30
1200mm 19 - 60
1500mm 23 - 75
lm Up to 9700
lm/W Up to 140
K 3000 / 4000
°C +10 to +40
CRI >80

Chromaticity tolerance (initial MacAdam): 3
DALI / Non dimmable
Mounting: Surface
Body material: Alu-zinc (to ensure anti-corrosion)
Prismatic diffuser material: PMMA
End caps material: ASA
Body color: RAL 9016
Cover type: Prismatic
Wiring & connection: One end connection
Through wiring
Halogen free wires
50 000 h L80B10 at 25°C
Warranty 5 years



RoHS
IP44

Total lumen output for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes.

Last modified | **2018, 25 July**
Data subject to change



| Exploring Fern

Dust foam ring to ensure IP44 class



Rubber grommets for end caps | Usable for cables up to \varnothing 13mm

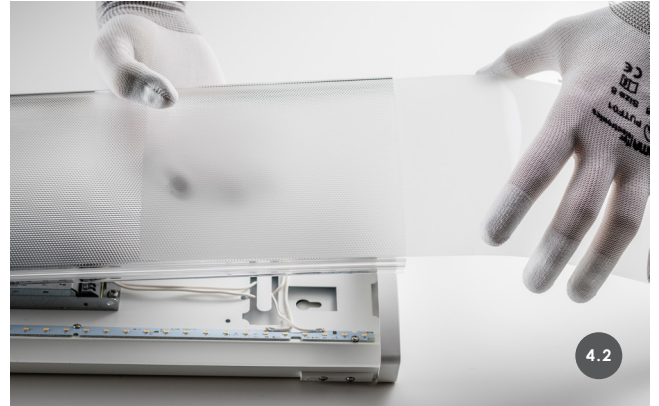
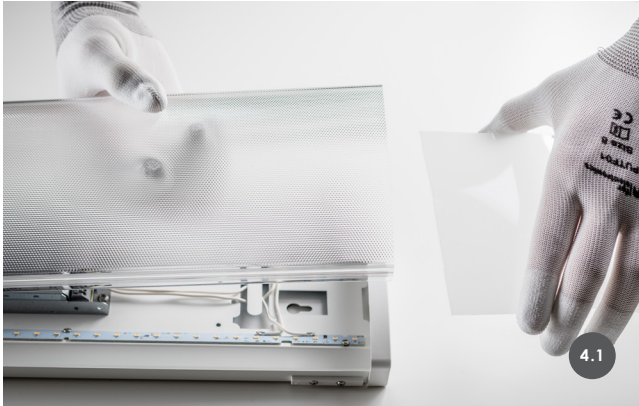


Easy tool-less opening | Shift fixation switch towards end cup

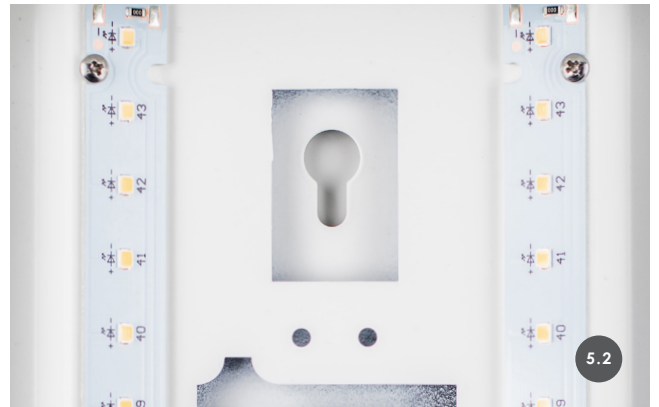


| Exploring Fern

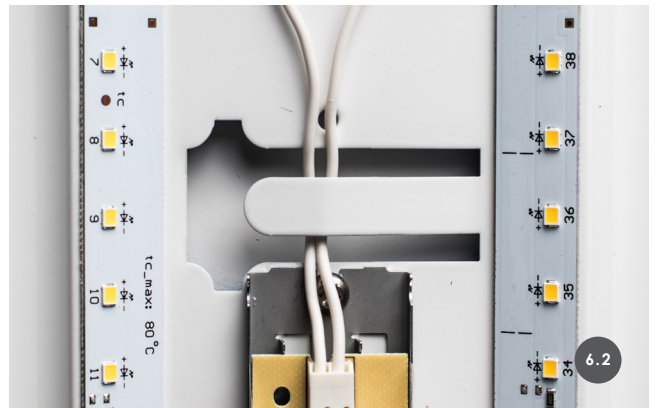
Opal diffusing sheet



Functional screw hole slots

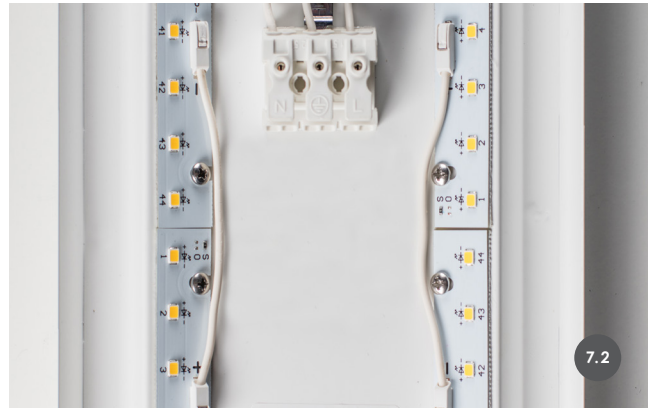


Solid wire fixation mechanism

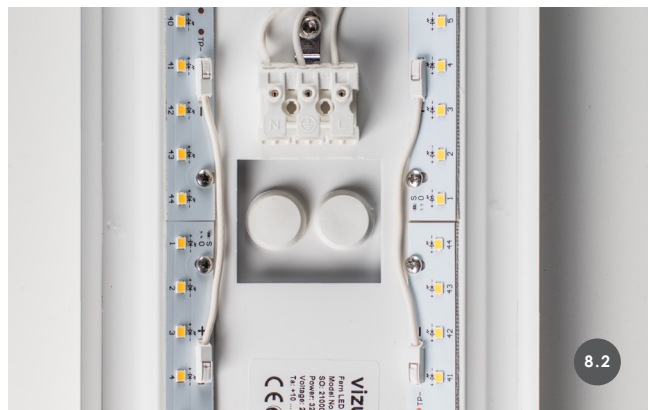


| Exploring Fern

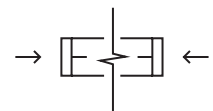
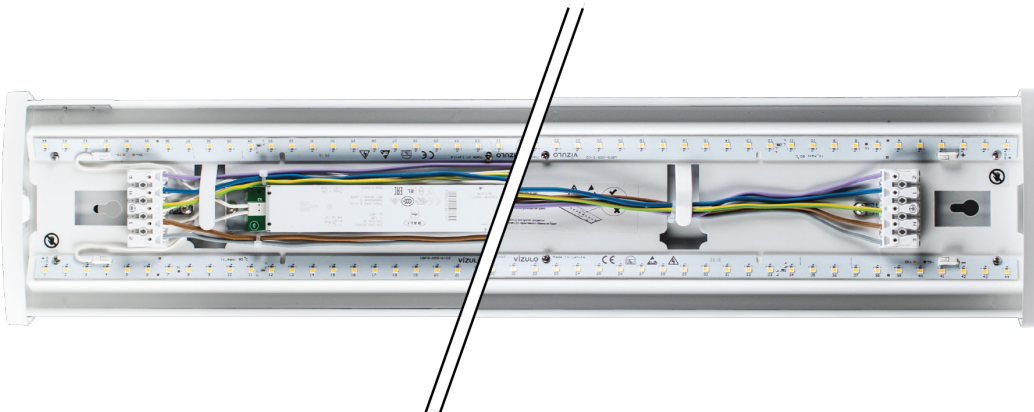
LED modules positioned on both sides of the internal body



Loop through via two grommets



Through wiring with five pole terminal blocks | 1.5 mm diameter cables

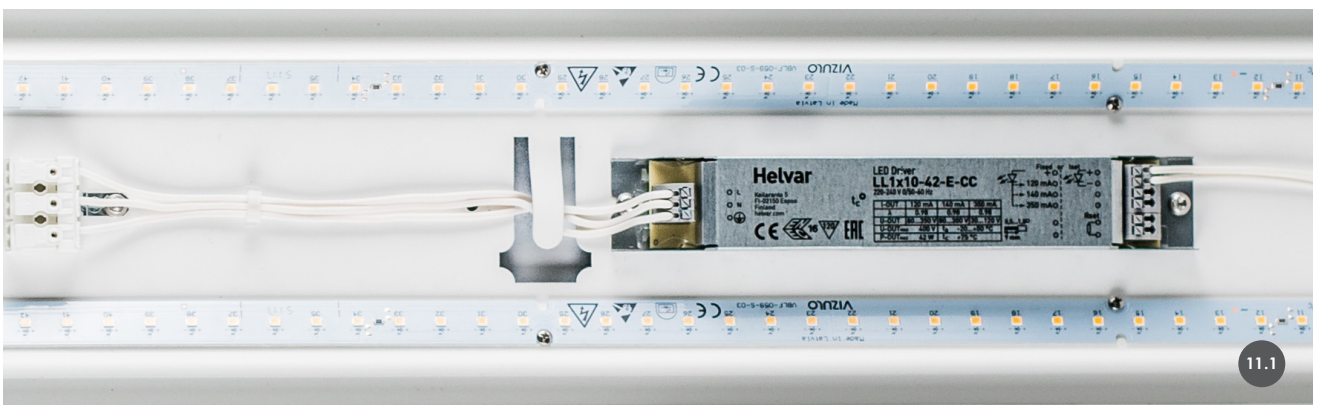


| Exploring Fern

Fern with microwave sensor | Non dimmable driver to ensure on/off switching by motion



Non dimmable Fern

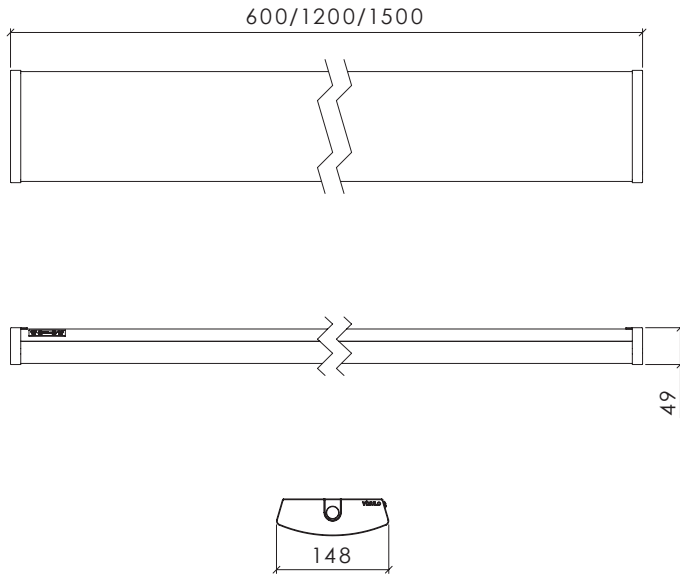


| Fern with sensors

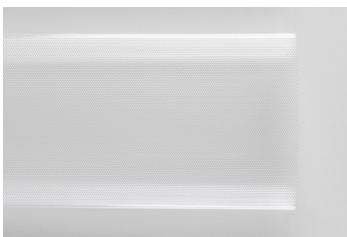
Microwave sensor + Non dimmable driver = on/off switching by motion

Microwave sensor + DALI = Corridor function dimming by motion

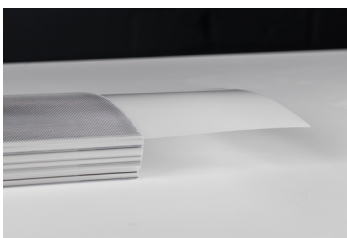
| Dimensions



| Accessories

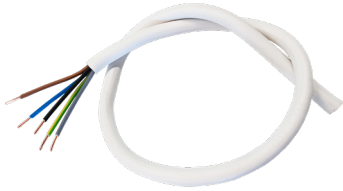


- 70066002 Clear spare cover Fern 600 mm
- 70066003 Clear spare cover Fern 1200 mm
- 70066004 Clear spare cover Fern 1500 mm



- 70066005 Clear spare cover with inserted diffusion sheet Fern 600 mm
- 70066006 Clear spare cover with inserted diffusion sheet Fern 1200 mm
- 70066007 Clear spare cover with inserted diffusion sheet Fern 1500 mm

| Accessories



- 70042016 Connection cable 5x1.5mm² (x2.5m) with open end
- 70042017 Connection cable 5x2.5mm² (x2.5m) with open end



- 70042018 Connection cable 3x1.5mm² (x2.5m) with open end
- 70042019 Connection cable 3x2.5mm² (x2.5m) with open end



- 70042022 Connection cable 3x1.5mm² (x2.5m) with plug

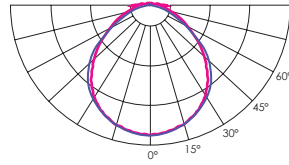


- 70042009 Connection cable 5x1.5mm² (x2.5m) with Ensto(NAC51S.W) 5-way plug
- 70042014 Connection cable 5x2.5mm² (x2.5m) with Ensto(NAC51S.W) 5-way plug



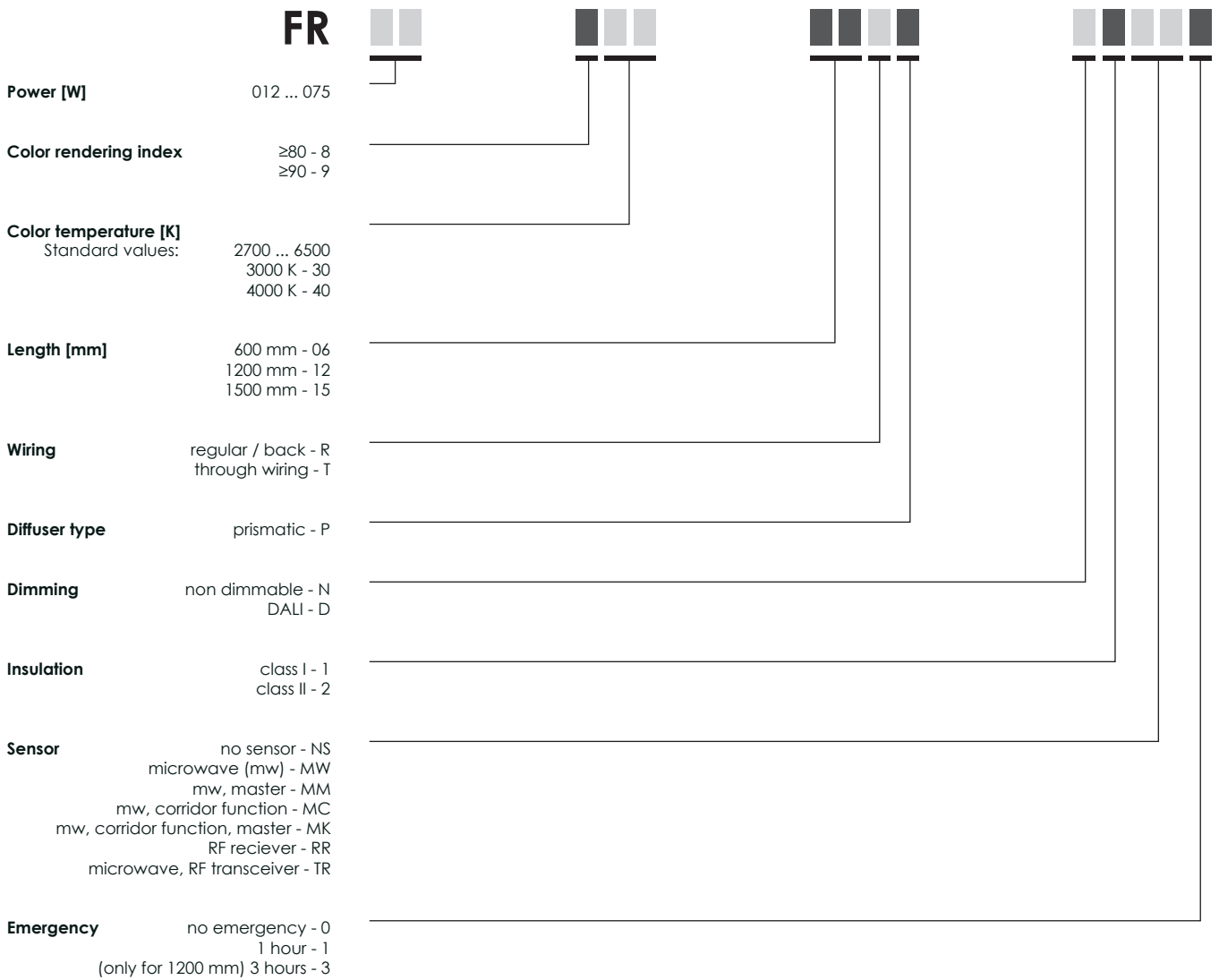
- 70042007 Connection cable 5x1.5mm² (x2.5m) with Wago Winsta(770-115) 5-way plug
- 70042012 Connection cable 5x2.5mm² (x2.5m) with Wago Winsta(770-115) 5-way plug
- 70042030 Connection cable with DALI 5x1.5mm² (x2.5m) with Wago Winsta(770-1115) 5-way plug

| Optic



Prismatic

| Model name principles



EXAMPLE FR 12 830 06RP N1NS0

| High quality components

LEDs used



Samsung Midpower

Drivers used

First Priority Non dimmable
HELVAR



Second Priority Non dimmable
TRIDONIC OSRAM



First Priority Dali
TRIDONIC



Second Priority Dali
OSRAM HELVAR



Articles

FERN non dimmable 600 mm

Article	Model Number	Rated input power	Size	CCT	CRI	Luminous flux, lm	Luminous efficacy, lm/W	Color	Sensor	Cover	Dimming
66000037	FR 21 830 06RP N1NO	21 W	600 mm	3000 K	>80	2670 lm	127 lm/W	White	-	Prismatic	ND
66000038	FR 30 830 06RP N1NO	30 W	600 mm	3000 K	>80	3650 lm	121 lm/W	White	-	Prismatic	ND
66000039	FR 22 830 06RP N1MO	22 W	600 mm	3000 K	>80	2670 lm	121 lm/W	White	Microwave	Prismatic	ND
66000040	FR 31 830 06RP N1MO	31 W	600 mm	3000 K	>80	3650 lm	118 lm/W	White	Microwave	Prismatic	ND
66000041	FR 21 840 06RP N1NO	21 W	600 mm	4000 K	>80	2820 lm	134 lm/W	White	-	Prismatic	ND
66000042	FR 30 840 06RP N1NO	30 W	600 mm	4000 K	>80	3860 lm	128 lm/W	White	-	Prismatic	ND
66000043	FR 22 840 06RP N1MO	22 W	600 mm	4000 K	>80	2820 lm	128 lm/W	White	Microwave	Prismatic	ND
66000044	FR 31 840 06RP N1MO	31 W	600 mm	4000 K	>80	3860 lm	124 lm/W	White	Microwave	Prismatic	ND
66000127	FR 24 830 06RP N1NO	24 W	600 mm	3000 K	>80	2904 lm	121 lm/W	White	-	Prismatic	ND

FERN DALI 600 mm

Article	Model Number	Rated input power	Size	CCT	CRI	Luminous flux, lm	Luminous efficacy, lm/W	Color	Sensor	Cover	Dimming
66000045	FR 21 830 06RP D1NO	21 W	600 mm	3000 K	>80	2760 lm	131 lm/W	White	-	Prismatic	DALI
66000046	FR 30 830 06RP D1NO	30 W	600 mm	3000 K	>80	3685 lm	123 lm/W	White	-	Prismatic	DALI
66000047	FR 22 830 06RP D1MO	22 W	600 mm	3000 K	>80	2760 lm	125 lm/W	White	Microwave	Prismatic	DALI
66000048	FR 31 830 06RP D1MO	31 W	600 mm	3000 K	>80	3685 lm	119 lm/W	White	Microwave	Prismatic	DALI
66000049	FR 21 840 06RP D1NO	21 W	600 mm	4000 K	>80	2920 lm	139 lm/W	White	-	Prismatic	DALI
66000050	FR 30 840 06RP D1NO	30 W	600 mm	4000 K	>80	3890 lm	129 lm/W	White	-	Prismatic	DALI
66000051	FR 22 840 06RP D1MO	22 W	600 mm	4000 K	>80	2920 lm	133 lm/W	White	Microwave	Prismatic	DALI
66000052	FR 31 840 06RP D1MO	31 W	600 mm	4000 K	>80	3890 lm	125 lm/W	White	Microwave	Prismatic	DALI
66000128	FR 24 830 06RP D1NO	24 W	600 mm	3000 K	>80	3000 lm	125 lm/W	White	-	Prismatic	DALI

FERN non dimmable 1200 mm

Article	Model Number	Rated input power	Size	CCT	CRI	Luminous flux, lm	Luminous efficacy, lm/W	Color	Sensor	Cover	Dimming
66000002	FR 31 830 12RP N1NO	31 W	1200 mm	3000 K	>80	4309 lm	139 lm/W	White	-	Prismatic	ND
66000003	FR 32 830 12RP N1MO	32 W	1200 mm	3000 K	>80	4309 lm	134 lm/W	White	Microwave	Prismatic	ND
66000004	FR 31 840 12RP N1NO	31 W	1200 mm	4000 K	>80	4411 lm	141 lm/W	White	-	Prismatic	ND
66000005	FR 32 840 12RP N1MO	32 W	1200 mm	4000 K	>80	4411 lm	137 lm/W	White	Microwave	Prismatic	ND
66000006	FR 37 830 12RP N1NO	37 W	1200 mm	3000 K	>80	4960 lm	134 lm/W	White	-	Prismatic	ND
66000007	FR 38 830 12RP N1MO	38 W	1200 mm	3000 K	>80	4960 lm	130 lm/W	White	Microwave	Prismatic	ND
66000008	FR 37 840 12RP N1NO	37 W	1200 mm	4000 K	>80	5186 lm	140 lm/W	White	-	Prismatic	ND
66000009	FR 38 840 12RP N1MO	38 W	1200 mm	4000 K	>80	5186 lm	136 lm/W	White	Microwave	Prismatic	ND
66000010	FR 45 830 12RP N1NO	45 W	1200 mm	3000 K	>80	5902 lm	131 lm/W	White	-	Prismatic	ND
66000011	FR 46 830 12RP N1MO	46 W	1200 mm	3000 K	>80	5902 lm	128 lm/W	White	Microwave	Prismatic	ND
66000012	FR 45 840 12RP N1NO	45 W	1200 mm	4000 K	>80	6171 lm	137 lm/W	White	-	Prismatic	ND
66000013	FR 46 840 12RP N1MO	46 W	1200 mm	4000 K	>80	6171 lm	134 lm/W	White	Microwave	Prismatic	ND
66000014	FR 60 830 12RP N1NO	60 W	1200 mm	3000 K	>80	7500 lm	125 lm/W	White	-	Prismatic	ND
66000015	FR 61 830 12RP N1MO	61 W	1200 mm	3000 K	>80	7500 lm	123 lm/W	White	Microwave	Prismatic	ND
66000016	FR 60 840 12RP N1NO	60 W	1200 mm	4000 K	>80	7841 lm	131 lm/W	White	-	Prismatic	ND
66000017	FR 61 840 12RP N1MO	61 W	1200 mm	4000 K	>80	7841 lm	128 lm/W	White	Microwave	Prismatic	ND
66000125	FR 31 830 12RP N1MO	31 W	1200 mm	3000 K	>80	4309 lm	139 lm/W	White	Microwave	Prismatic	ND
66000126	FR 46 830 12RP N1NO	46 W	1200 mm	3000 K	>80	6171 lm	134 lm/W	White	-	Prismatic	ND

Articles

FERN DALI 1200 mm

Article	Model Number	Rated input power	Size	CCT	CRI	Luminous flux, lm	Luminous efficacy, lm/W	Color	Sensor	Cover	Dimming
66000018	FR 31 830 12RP D1N0	31 W	1200 mm	3000 K	>80	4330 lm	139 lm/W	White	-	Prismatic	DALI
66000019	FR 32 830 12RP D1M0	32 W	1200 mm	3000 K	>80	4330 lm	135 lm/W	White	Microwave	Prismatic	DALI
66000020	FR 31 840 12RP D1N0	31 W	1200 mm	4000 K	>80	4411 lm	142 lm/W	White	-	Prismatic	DALI
66000021	FR 32 840 12RP D1M0	32 W	1200 mm	4000 K	>80	4411 lm	138 lm/W	White	Microwave	Prismatic	DALI
66000022	FR 37 830 12RP D1N0	37 W	1200 mm	3000 K	>80	4974 lm	134 lm/W	White	-	Prismatic	DALI
66000023	FR 38 830 12RP D1M0	38 W	1200 mm	3000 K	>80	4974 lm	130 lm/W	White	Microwave	Prismatic	DALI
66000024	FR 37 840 12RP D1N0	37 W	1200 mm	4000 K	>80	5200 lm	140 lm/W	White	-	Prismatic	DALI
66000025	FR 38 840 12RP D1M0	38 W	1200 mm	4000 K	>80	5200 lm	136 lm/W	White	Microwave	Prismatic	DALI
66000026	FR 45 830 12RP D1N0	45 W	1200 mm	3000 K	>80	5922 lm	131 lm/W	White	-	Prismatic	DALI
66000027	FR 46 830 12RP D1M0	46 W	1200 mm	3000 K	>80	5922 lm	128 lm/W	White	Microwave	Prismatic	DALI
66000028	FR 45 840 12RP D1N0	45 W	1200 mm	4000 K	>80	6192 lm	137 lm/W	White	-	Prismatic	DALI
66000029	FR 46 840 12RP D1M0	46 W	1200 mm	4000 K	>80	6192 lm	134 lm/W	White	Microwave	Prismatic	DALI
66000030	FR 60 830 12RP D1N0	60 W	1200 mm	3000 K	>80	7520 lm	125 lm/W	White	-	Prismatic	DALI
66000031	FR 61 830 12RP D1M0	61 W	1200 mm	3000 K	>80	7520 lm	123 lm/W	White	Microwave	Prismatic	DALI
66000032	FR 60 840 12RP D1N0	60 W	1200 mm	4000 K	>80	7861 lm	131 lm/W	White	-	Prismatic	DALI
66000033	FR 61 840 12RP D1M0	61 W	1200 mm	4000 K	>80	7861 lm	128 lm/W	White	Microwave	Prismatic	DALI
66000109	FR 34 830 12RU D1N0	34 W	1200 mm	3000 K	>80	4726 lm	139 lm/W	White	-	Prismatic	DALI
66000110	FR 46 830 12RP D1N0	46 W	1200 mm	3000 K	>80	5922 lm	128 lm/W	White	-	Prismatic	DALI
66000111	FR 39 830 12RU D1N0	39 W	1200 mm	3000 K	>80	5226 lm	134 lm/W	White	-	Prismatic	DALI

FERN non dimmable 1500 mm

Article	Model Number	Rated input power	Size	CCT	CRI	Luminous flux, lm	Luminous efficacy, lm/W	Color	Sensor	Cover	Dimming
66000085	FR 42 830 15RP N1N0	42 W	1500 mm	3000 K	>80	6070 lm	144 lm/W	White	-	Prismatic	ND
66000086	FR 58 830 15RP N1N0	58 W	1500 mm	3000 K	>80	7560 lm	130 lm/W	White	-	Prismatic	ND
66000087	FR 75 830 15RP N1N0	75 W	1500 mm	3000 K	>80	9320 lm	124 lm/W	White	-	Prismatic	ND
66000088	FR 43 830 15RP N1M0	43 W	1500 mm	3000 K	>80	6070 lm	141 lm/W	White	Microwave	Prismatic	ND
66000089	FR 59 830 15RP N1M0	59 W	1500 mm	3000 K	>80	7560 lm	128 lm/W	White	Microwave	Prismatic	ND
66000090	FR 76 830 15RP N1M0	76 W	1500 mm	3000 K	>80	9320 lm	122 lm/W	White	Microwave	Prismatic	ND
66000091	FR 42 840 15RP N1N0	42 W	1500 mm	4000 K	>80	6410 lm	152 lm/W	White	-	Prismatic	ND
66000092	FR 58 840 15RP N1N0	58 W	1500 mm	4000 K	>80	7990 lm	138 lm/W	White	-	Prismatic	ND
66000093	FR 75 840 15RP N1N0	75 W	1500 mm	4000 K	>80	9840 lm	131 lm/W	White	-	Prismatic	ND
66000094	FR 43 840 15RP N1M0	43 W	1500 mm	4000 K	>80	6410 lm	149 lm/W	White	Microwave	Prismatic	ND
66000095	FR 59 840 15RP N1M0	59 W	1500 mm	4000 K	>80	7990 lm	137 lm/W	White	Microwave	Prismatic	ND
66000096	FR 76 840 15RP N1M0	76 W	1500 mm	4000 K	>80	9840 lm	129 lm/W	White	Microwave	Prismatic	ND

FERN DALI 1500 mm

Article	Model Number	Rated input power	Size	CCT	CRI	Luminous flux, lm	Luminous efficacy, lm/W	Color	Sensor	Cover	Dimming
66000097	FR 42 830 15RP D1N0	42 W	1500 mm	3000 K	>80	6070 lm	144 lm/W	White	-	Prismatic	DALI
66000098	FR 58 830 15RP D1N0	58 W	1500 mm	3000 K	>80	7780 lm	134 lm/W	White	-	Prismatic	DALI
66000099	FR 75 830 15RP D1N0	75 W	1500 mm	3000 K	>80	9390 lm	125 lm/W	White	-	Prismatic	DALI
66000100	FR 43 830 15RP D1M0	43 W	1500 mm	3000 K	>80	6070 lm	141 lm/W	White	Microwave	Prismatic	DALI
66000101	FR 59 830 15RP D1M0	59 W	1500 mm	3000 K	>80	7780 lm	132 lm/W	White	Microwave	Prismatic	DALI
66000102	FR 76 830 15RP D1M0	76 W	1500 mm	3000 K	>80	9390 lm	123 lm/W	White	Microwave	Prismatic	DALI
66000103	FR 42 840 15RP D1N0	42 W	1500 mm	4000 K	>80	6410 lm	152 lm/W	White	-	Prismatic	DALI
66000104	FR 58 840 15RP D1N0	58 W	1500 mm	4000 K	>80	8220 lm	142 lm/W	White	-	Prismatic	DALI
66000105	FR 75 840 15RP D1N0	75 W	1500 mm	4000 K	>80	9910 lm	132 lm/W	White	-	Prismatic	DALI
66000106	FR 43 840 15RP D1M0	43 W	1500 mm	4000 K	>80	6410 lm	149 lm/W	White	Microwave	Prismatic	DALI
66000107	FR 59 840 15RP D1M0	59 W	1500 mm	4000 K	>80	8220 lm	139 lm/W	White	Microwave	Prismatic	DALI
66000108	FR 76 840 15RP D1M0	76 W	1500 mm	4000 K	>80	9910 lm	130 lm/W	White	Microwave	Prismatic	DALI

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