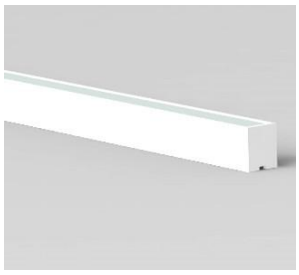
LINEARlight® RIGID FINESSE

Rugged and robust slim LED system for linear applications fully customizable: one platform, thousands of configurations



Features & Benefits

- 24 V super slim modular LED system for linear application, suitable for surface or recessed mounting: custom length
- High quality and sophisticated optics and lenses: 10°, 30°, 60° symmetric lenses and asymmetric lens for Wall Washing application; Diffuse and Clear covers available
- Durable coated aluminum profile available in different colors (gray, black, white) resistant to harsh environment AAMA2604
- Outdoor IP67 or Indoor IP43 versions available
- Large working temperature range
- Luminous flux: >2000 lm/m;1200 m/m; 900 lm/m
- Color uniformity ≤2 SDCM*
- Lifetime up to 60.000 h L80B10
- LM80 & LM79 compliant
- Large selection of light color temperatures: 2400K – 5000K
- CRI 90 & CRI 80
- Dimmable by INVENTRONICS LED Driver 0,1% to 100%
- Designed in Italy, made in Italy

Application areas

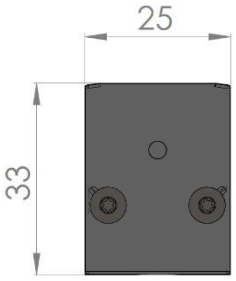
Wall Washing, Wall Grazing, Cove lighting, Architectural Integration

Standards

CE, ENEC

Dimension & Mounting Accessories

Lmin=120 mm < ……. < Lmax=1520 mm orderable in steps of 100 mm



Installation options

Tilting brackets

Wall arm

Recessed

Suspended

Metal clip

In Ground

Electrical data

Nominal Voltage	24 V (+/- 1V)
Reverse voltage protection up to	25 V
Ambient Temperature range	-20°C… +45°C (indoor) -30°C…+ 50°C (outdoor)
Storage Temperature	-20°C… +85°C
CRI	>90 & >80

Power consumption

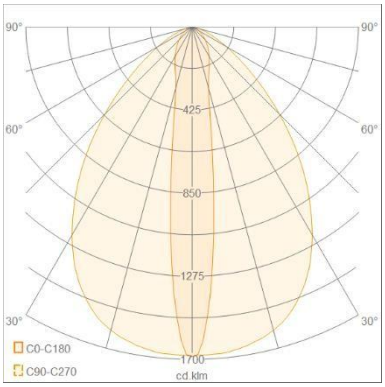
Version	2000 lm/m	1200 lm/m	900 lm/m
CRI 90	28.9 W/m	16.3 W/m	10.6 W/m
CRI 80	28.9 W/m	13.4 W/m	9.9 W/m

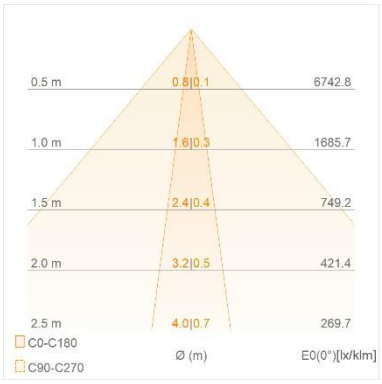
*the Finesse platform keeps power consumption constant to varying the CCT

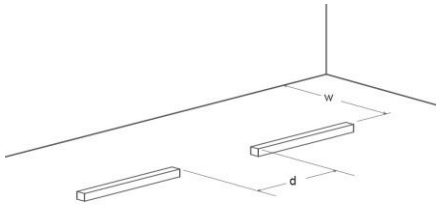
Longest series connection

Version	2000 lm/m	1200 lm/m	900 lm/m
Longest serial connection	3m	5m	10m

10 S Optics 10° x 70°;







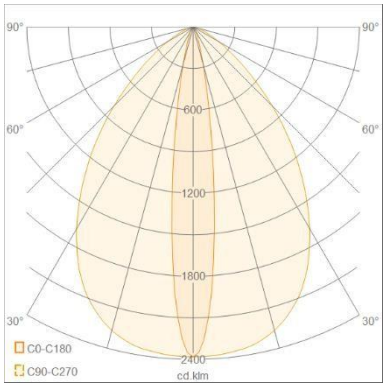
d [cm]	5	15	30	60
w [cm]	5	10	15	20

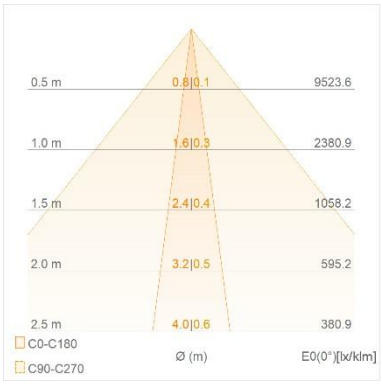
Color Temperature			Luminous Flux per meter [lm/m]			Luminous Efficacy [lm/W]		
			High Flux	Medium Flux	Low Flux	High Flux	Medium Flux	Low Flux
924	2400 K	White	---	1030	750	---	63	71
927	2700 K	White	2200	1030	775	76	63	73
930	3000 K	White	2350	1125	840	81	69	79
935	3500 K	White	2500	1225	915	87	75	86
940	4000 K	White	2500	1225	915	87	75	86
950	5000 K	White	2500	1340	1000	87	82	94

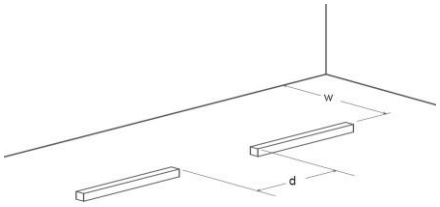
Color Temperature			Luminous Flux per meter [lm/m]			Luminous Efficacy [lm/W]		
			High Flux	Medium Flux	Low Flux	High Flux	Medium Flux	Low Flux
824	2400 K	White	2000	940	710	69	70	72
827	2700 K	White	2400	1125	840	83	84	85
830	3000 K	White	2400	1125	840	83	84	85
835	3500 K	White	2600	1200	920	90	90	93
840	4000 K	White	2600	1200	920	90	90	93
850	5000 K	White	2600	1200	920	90	90	93

Field angle: 10% flux at 60°
Luminous flux with honeycomb: - 55%

10B Optics 10° x 70°; special dark light







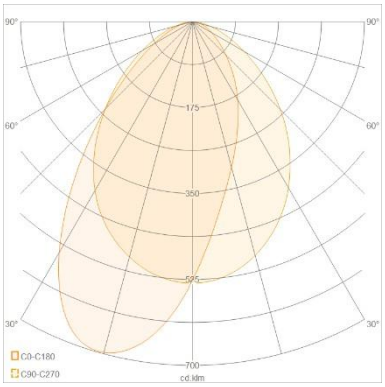
d [cm]	5	15	30	60
w [cm]	5	10	15	20

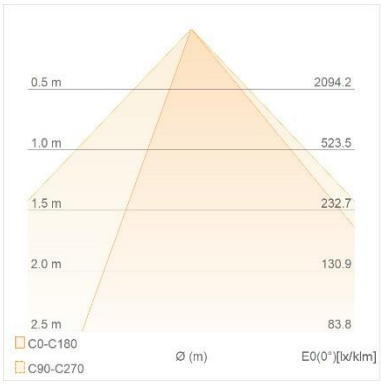
Color Temperature			Luminous Flux per meter [lm/m]			Luminous Efficacy [lm/W]		
			High Flux	Medium Flux	Low Flux	High Flux	Medium Flux	Low Flux
924	2400 K	White	---	700	500	---	43	47
927	2700 K	White	1515	700	525	52	43	50
930	3000 K	White	1610	760	570	56	47	54
935	3500 K	White	1700	825	620	59	51	58
940	4000 K	White	1700	825	620	59	51	58
950	5000 K	White	1700	910	680	59	56	64

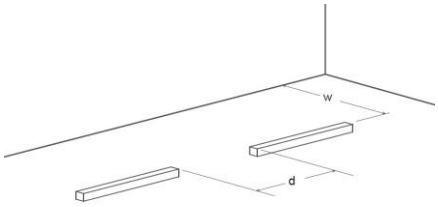
Color Temperature			Luminous Flux per meter [lm/m]			Luminous Efficacy [lm/W]		
			High Flux	Medium Flux	Low Flux	High Flux	Medium Flux	Low Flux
824	2400 K	White	1360	635	480	47	47	48
827	2700 K	White	1620	760	570	56	57	58
830	3000 K	White	1620	760	570	56	57	58
835	3500 K	White	1760	825	625	61	62	63
840	4000 K	White	1760	825	625	61	62	63
850	5000 K	White	1760	825	625	61	62	63

Field Angle: 10% flux at 32°
The 10D lens offers the same intensity of light along the vertical axes of the 10S

WW Asymmetric wall washing optics 50° x 80° tilting 17°







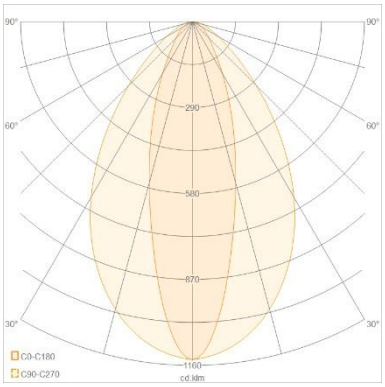
w	30	40	50	60	70	80	90
d	20	30	40	50	65	80	95

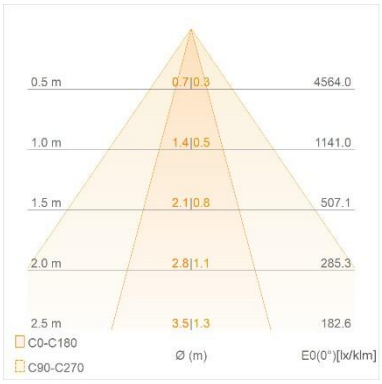
Color Temperature			Luminous Flux per meter [lm/m]			Luminous Efficacy [lm/W]		
			High Flux	Medium Flux	Low Flux	High Flux	Medium Flux	Low Flux
924	2400 K	White	---	1050	760	---	64	72
927	2700 K	White	2250	1050	785	78	64	74
930	3000 K	White	2400	1140	855	83	70	81
935	3500 K	White	2550	1240	930	88	76	88
940	4000 K	White	2550	1240	930	88	76	88
950	5000 K	White	2550	1350	1020	88	83	96

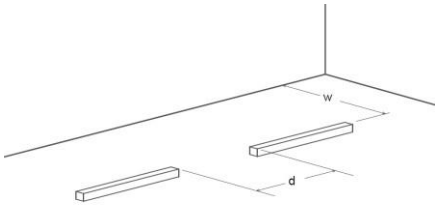
Color Temperature			Luminous Flux per meter [lm/m]			Luminous Efficacy [lm/W]		
			High Flux	Medium Flux	Low Flux	High Flux	Medium Flux	Low Flux
824	2400 K	White	2050	950	725	71	71	73
827	2700 K	White	2430	1140	855	84	85	86
830	3000 K	White	2430	1140	855	84	85	86
835	3500 K	White	2640	1225	935	91	91	94
840	4000 K	White	2640	1225	935	91	91	94
850	5000 K	White	2640	1225	935	91	91	94

Luminous flux with honeycomb: - 58%

30° Optics 30° x 70°







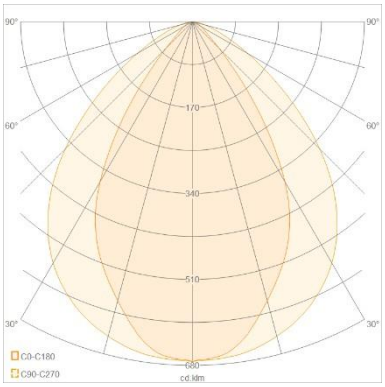
w [cm]	10	15	20	25	30
d [cm]	7	11	15	20	25

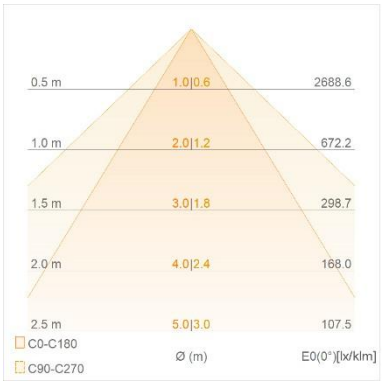
Color Temperature			Luminous Flux per meter [lm/m]			Luminous Efficacy [lm/W]		
			High Flux	Medium Flux	Low Flux	High Flux	Medium Flux	Low Flux
924	2400 K	White	---	1050	760	---	64	72
927	2700 K	White	2250	1050	785	78	64	74
930	3000 K	White	2400	1140	855	83	70	81
935	3500 K	White	2550	1240	930	88	76	88
940	4000 K	White	2550	1240	930	88	76	88
950	5000 K	White	2550	1350	1020	88	83	96

Color Temperature			Luminous Flux per meter [lm/m]			Luminous Efficacy [lm/W]		
			High Flux	Medium Flux	Low Flux	High Flux	Medium Flux	Low Flux
824	2400 K	White	2050	950	725	71	71	73
827	2700 K	White	2430	1140	855	84	85	86
830	3000 K	White	2430	1140	855	84	85	86
835	3500 K	White	2640	1225	935	91	91	94
840	4000 K	White	2640	1225	935	91	91	94
850	5000 K	White	2640	1225	935	91	91	94

Luminous flux with honeycomb: - 57%

60° Optics 60° x 90°

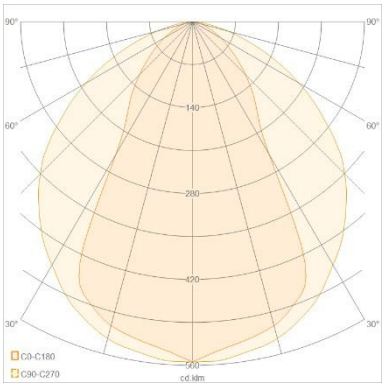


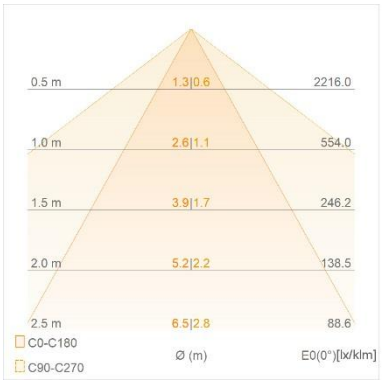


Color Temperature			Luminous Flux per meter [lm/m]			Luminous Efficacy [lm/W]		
			High Flux	Medium Flux	Low Flux	High Flux	Medium Flux	Low Flux
924	2400 K	White	---	1100	790	---	67	75
927	2700 K	White	2370	1100	820	82	67	77
930	3000 K	White	2500	1200	900	87	74	85
935	3500 K	White	2650	1300	970	92	80	92
940	4000 K	White	2650	1300	970	92	80	92
950	5000 K	White	2650	1425	1065	92	87	100

Color Temperature			Luminous Flux per meter [lm/m]			Luminous Efficacy [lm/W]		
			High Flux	Medium Flux	Low Flux	High Flux	Medium Flux	Low Flux
824	2400 K	White	2100	990	750	73	74	76
827	2700 K	White	2500	1200	900	87	90	91
830	3000 K	White	2500	1200	900	87	90	91
835	3500 K	White	2700	1280	980	93	96	99
840	4000 K	White	2700	1280	980	93	96	99
850	5000 K	White	2700	1280	980	93	96	99

90T Optics transparent

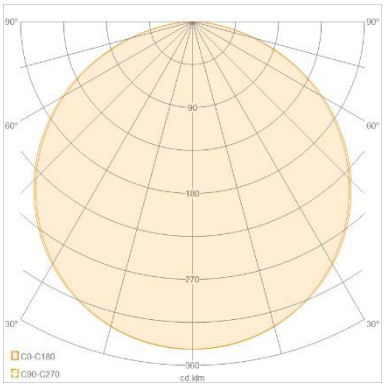




Color Temperature			Luminous Flux per meter [lm/m]			Luminous Efficacy [lm/W]		
			High Flux	Medium Flux	Low Flux	High Flux	Medium Flux	Low Flux
924	2400 K	White	---	1050	760	---	64	72
927	2700 K	White	2250	1050	785	78	64	74
930	3000 K	White	2400	1140	855	83	70	81
935	3500 K	White	2550	1240	930	88	76	88
940	4000 K	White	2550	1240	930	88	76	88
950	5000 K	White	2550	1350	1020	88	83	96

Color Temperature			Luminous Flux per meter [lm/m]			Luminous Efficacy [lm/W]		
			High Flux	Medium Flux	Low Flux	High Flux	Medium Flux	Low Flux
824	2400 K	White	2050	950	725	71	71	73
827	2700 K	White	2430	1140	855	84	85	86
830	3000 K	White	2430	1140	855	84	85	86
835	3500 K	White	2640	1225	935	91	91	94
840	4000 K	White	2640	1225	935	91	91	94
850	5000 K	White	2640	1225	935	91	91	94

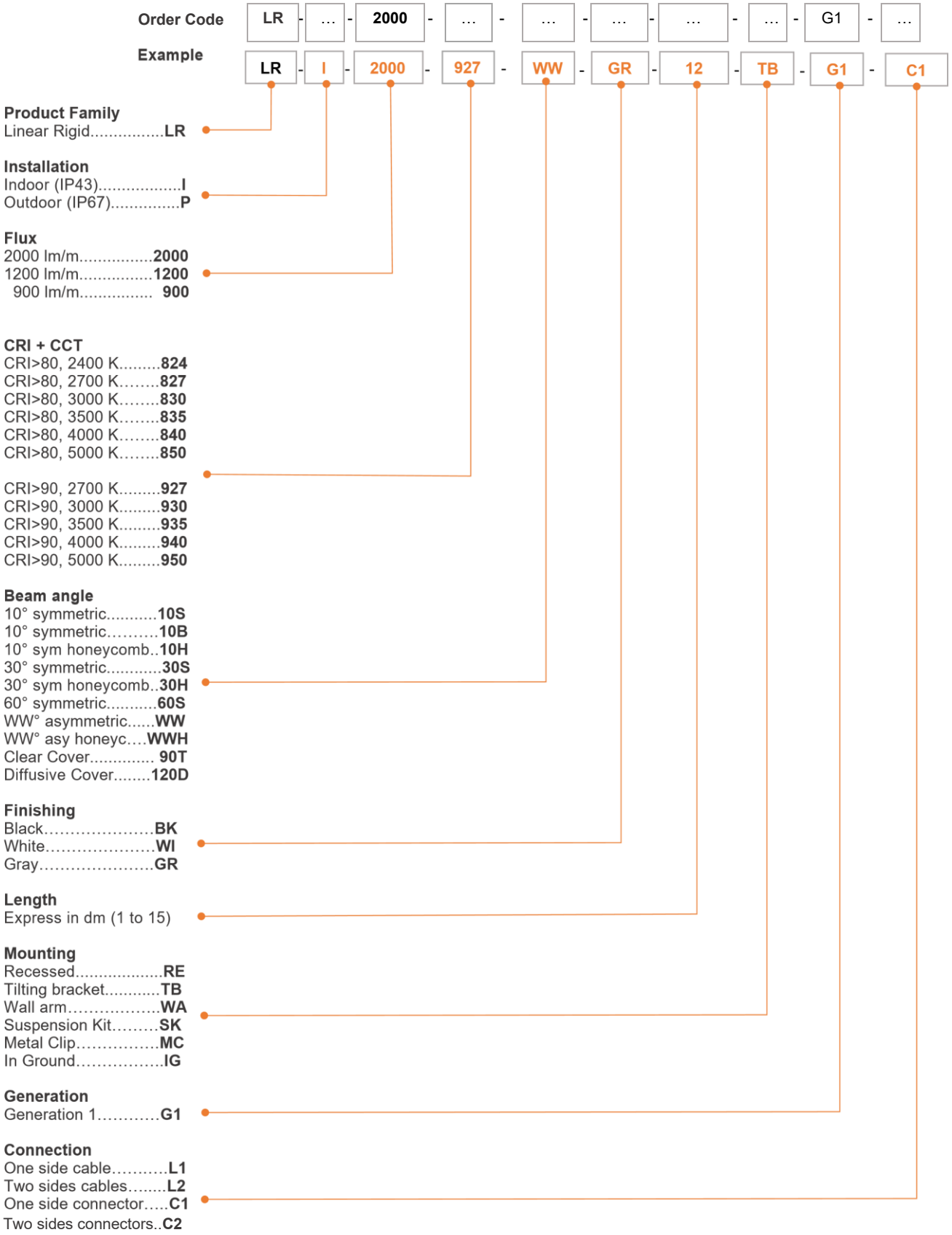
120D Optics diffuse



Color Temperature			Luminous Flux per meter [lm/m]			Luminous Efficacy [lm/W]		
			High Flux	Medium Flux	Low Flux	High Flux	Medium Flux	Low Flux
924	2400 K	White	---	675	495	---	41	47
927	2700 K	White	1480	675	510	51	41	48
930	3000 K	White	1575	745	555	54	46	52
935	3500 K	White	1660	810	605	57	50	57
940	4000 K	White	1660	810	605	57	50	57
950	5000 K	White	1660	890	665	57	55	63

Color Temperature			Luminous Flux per meter [lm/m]			Luminous Efficacy [lm/W]		
			High Flux	Medium Flux	Low Flux	High Flux	Medium Flux	Low Flux
824	2400 K	White	1330	620	470	46	46	47
827	2700 K	White	1580	745	555	55	56	56
830	3000 K	White	1580	745	555	55	56	56
835	3500 K	White	1700	810	610	59	60	62
840	4000 K	White	1700	810	610	59	60	62
850	5000 K	White	1700	810	610	59	60	62

Speaking Code

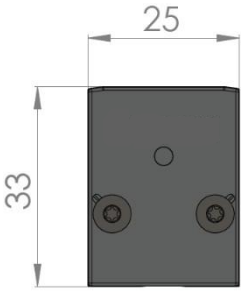


Note Well: the speaking code generator shall be communicated to receive information, quotation or any type of support. Visit the INVENTRONICS website

Accessories

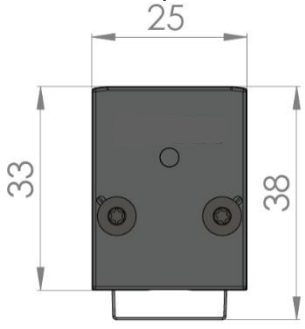
Product description	Product code	Package content
 LR FINESSE Tilting Brackets	Included with product	
 LR FINESSE Recessed Kit	6937186149947	1 profile
 LR FINESSE Wall Arms (MOQ 2 PCS)	6937186150004	1 arm
 LR FINESSE Metal Clip	6937186149909	10 clips
 LR FINESSE BAFFLE 620 (MOQ 5 PCS)	6937186150028	1 baffle
 LR FINESSE BAFFLE 920 (MOQ 5 PCS)	6937186150042	1 baffle
 LR FINESSE outdoor Power Cable 5m IP68	6937186149985	1 cable
 LR FINESSE outdoor Jumper 0.5m IP68	6937186149923	1 cable
 LR FINESSE outdoor DIY male/female IP68	6937186149961	5 male & 5 female
 LR FINESSE Suspension Kit 3	6937186138859	2 cords & accessories

Mechanical characteristic FINESSE



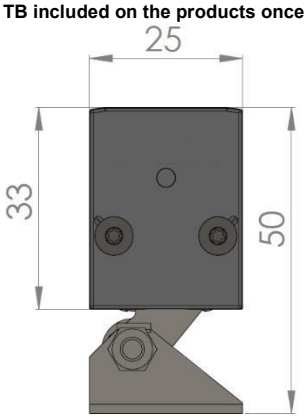
FINESSE + Metal Clip (MC)

MC included on the products once order MC version



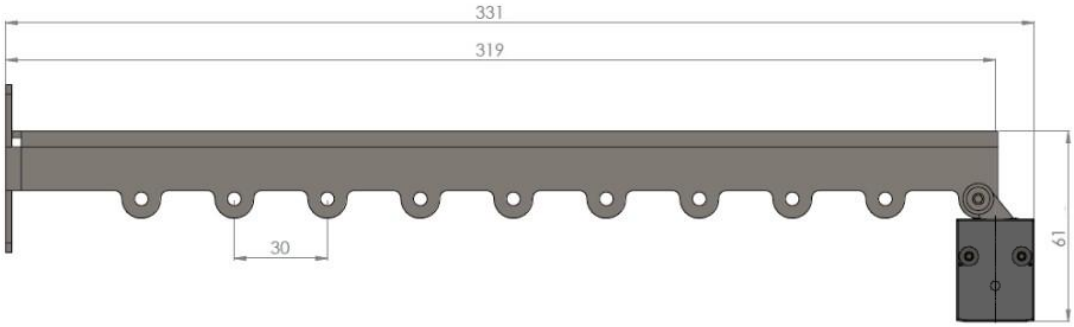
FINESSE + Tilting Bracket (TB)

TB included on the products once order TB version



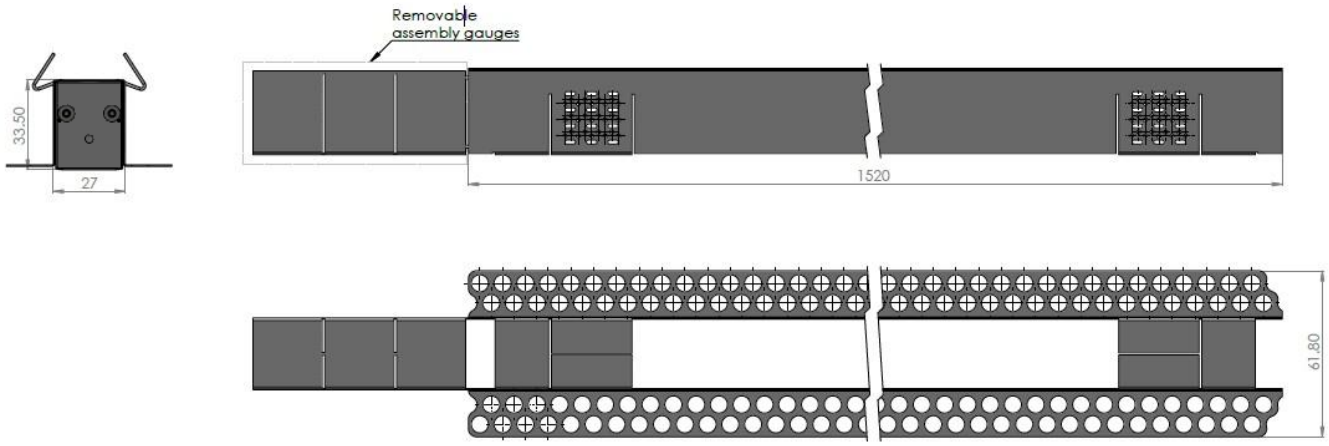
FINESSE + Wall Arm (WA) 6937186150004

WA not included on the products once order WA version

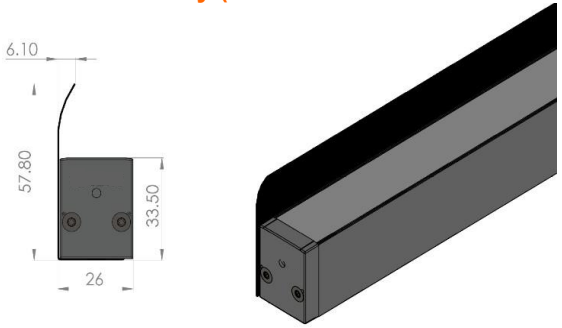


FINESSE + Recessed Kit (RE) 6937186149947

Metal frame for plasterboard not include. Spring for snap in included once ordered RE version



Baffle accessory (6937186150028 or 6937186150042)



Ecodesign regulation information:

This product is considered to be a “containing product” in the sense of Regulations (EU) 2019/2020 and (EU) 2019/2015. Tolerances of the reported values, are according to LED Modules Performance standard IEC/EN 62717.
In general, the replacement of the contained light sources without permanent damage to the product with the use of common available tools is possible in the final application when they can be dismantled from the installation environment and substituted for the necessary number of light sources restoring its full electrical/mechanical/thermal/optical functionality by means of a professional installer.
In the contrary, and limited to the LINEARlight Flex Diffuse, LINEARlight Rigid Finesse, GINO LED Flex Diffuse and LUMINENT Milky product families, the contained light source is an integrated part of the containing product and its removal can only be done by causing a permanent damage to the containing product due to its tight mechanical, electrical, optical, thermal interaction and/or environmental protection with or from the containing product. Therefore, a replacement of the light source with the use of common available tools is not justified.
Dismantling of light sources from containing products at end of life: Containing products with light sources which are scalable in length can be cut to the length of the contained light source and if applicable mechanically detached from protective and/or optical covers. Containing products shall be separated from building material and/or from other additional mounting accessories by means of a professional installer.
Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this companies, which accept separate control gear and light sources free of charges. In this way, raw materials are conserved and materials are recycled.

Color Temperature			Energy eff class of contained light source		
			High Flux	Medium Flux	Low Flux
924	2400 K	White	---	G	G
927	2700 K	White	F	G	F
930	3000 K	White	F	F	F
935	3500 K	White	E	F	F
940	4000 K	White	E	F	F
950	5000 K	White	E	F	E

Color Temperature			Energy eff class of contained light source		
			High Flux	Medium Flux	Low Flux
824	2400 K	White	F	F	F
827	2700 K	White	F	E	E
830	3000 K	White	F	E	E
835	3500 K	White	F	E	E
840	4000 K	White	F	E	E
850	5000 K	White	F	E	E

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

*The color uniformity shown is a result of internal theoretical and statistical evaluation under specific conditions; it is intended to provide our customers with an estimation of color uniformity in real applications. Despite LEDs used in INVENTRONICS strips are single BIN 3 SDCM ellipse, their careful combination in a LED strip with proper manufacturing process, results in a mixed light through a diffusive material which is within a 2SDCM ellipse, with a probability greater than 90%.

Due to variability of each single chip and statistical meth, this indication cannot be considered as legally binding. The guaranteed color consistency claim can be found inside the official data sheets of every product

For further information please write to support@inventronicsglobal.com or visit our website design.inventronicsglobal.com/project