PRELIMINARY

Light is OSRAM

OSRAM

LINEARlight® RIGID FINESSE – RGB&RGBW

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° 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
- Large working temperature range
- Luminous flux: > 1500 lm/m; 400 lm/m;
- Color uniformity ≤2 SDCM*
- Lifetime up to 60.000 h L80B10
- LM80 & LM79 compliant
- Large selection of light color temperatures: 2700K – 4000K
- CRI 90 & CRI 80
- Dimmable by OPTOTRONIC® LED Driver 1% to 100%
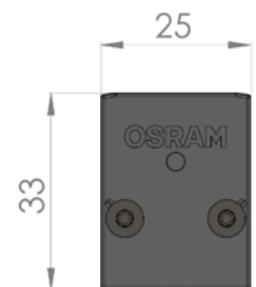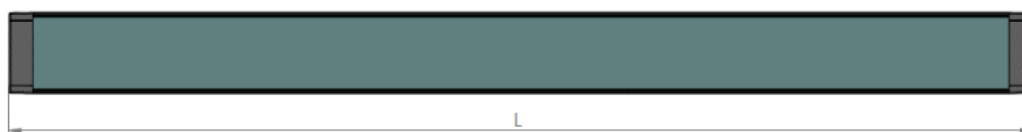- Designed in Italy, made in Italy

Application areas

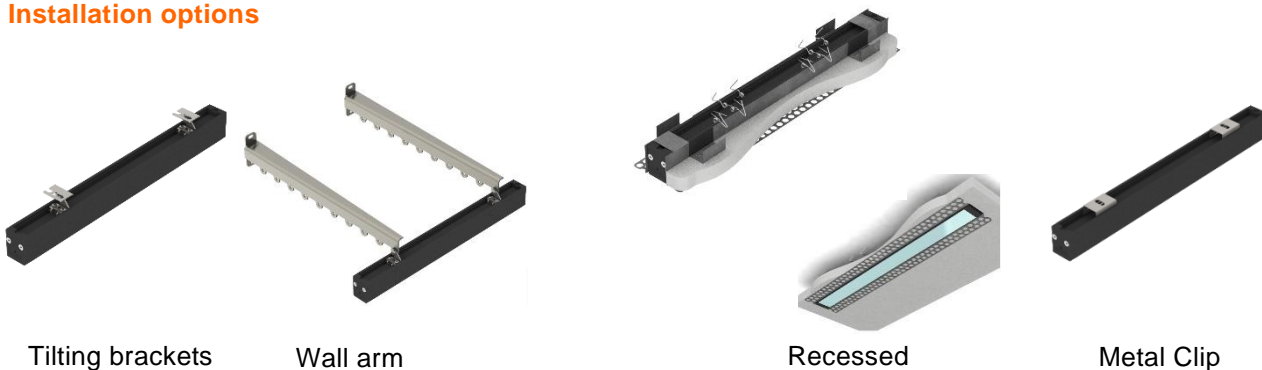Wall Washing, Wall Grazing, Cove lighting, Architectural Integration

Standards

CE, ENEC

Dimension & Mounting Accessories

L_{min}=120 mm < ……. < L_{max}=1520 mm orderable in steps of 100 mm

25

33

L

Installation options

Tilting brackets   Wall arm   Recessed   Metal Clip

Electrical data

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

Power consumption*

Version	White	Red	Green	Blue
CRI 90	14,4 W/m	5,7 W/m	5,8 W/m	3,9 W/m
CRI 80	14,4 W/m	5,7 W/m	5,8 W/m	3,9 W/m
RGB only		5,7 W/m	5,8 W/m	3,9 W/m

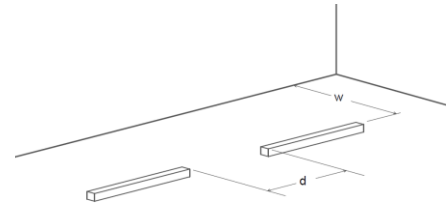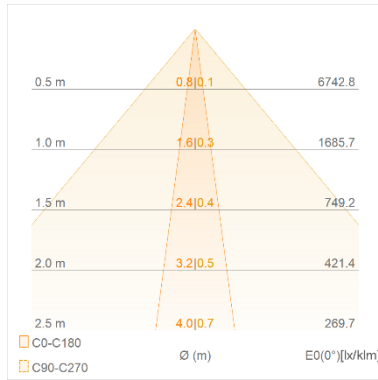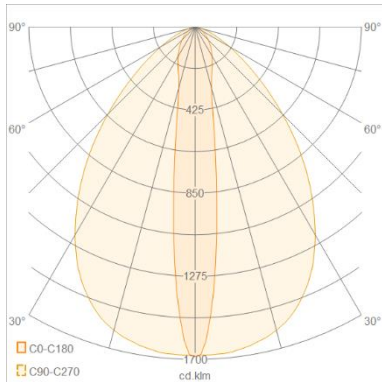*the Finesse platform keeps power consumption constant to varying the CCT

Longest serial connection

Version	RGBW	RGB
Longest serial connection	3m	5m

Product weight

Indoor &outdoor version	1000g / m

10S   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]
927	2700 K	White	1035	71,9
930	3000 K	White	1095	76,0
935	3500 K	White	1160	80,6
940	4000 K	White	1160	80,6

Color Temperature			Luminous Flux per meter [lm/m]	Luminous Efficacy [lm/W]
827	2700 K	White	1190	82,6
830	3000 K	White	1190	82,6
835	3500 K	White	1235	85,8
840	4000 K	White	1235	85,8

Color Temperature			Luminous Flux per meter [lm/m]	Luminous Efficacy [lm/W]
R	622 nm	Red	114	20,0
G	534 nm	Green	274	47,7
B	468 nm	Blue	48	12,5

Field angle: 10% intensity at 60°

10B Optics 10° x 70°; special dark light
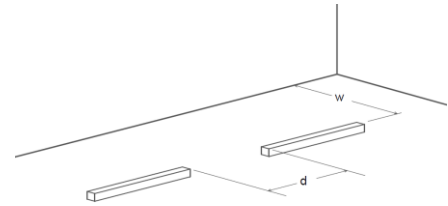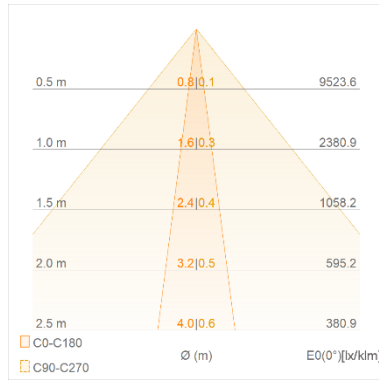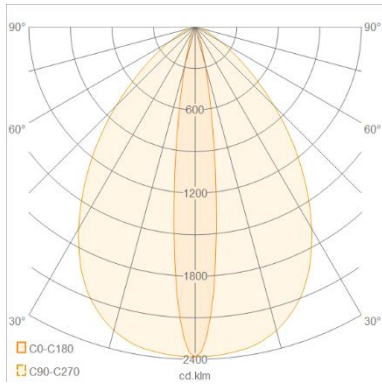
d [cm]	5	15	30	60
w [cm]	5	10	15	20

Color Temperature			Luminous Flux per meter [lm/m]	Luminous Efficacy [lm/W]
927	2400 K	White	650	71,9
930	2700 K	White	690	76,0
935	3000 K	White	730	80,6
940	3500 K	White	730	80,6

Color Temperature			Luminous Flux per meter [lm/m]	Luminous Efficacy [lm/W]
827	2700 K	White	750	52,1
830	3000 K	White	750	52,1
835	3500 K	White	780	54,2
840	4000 K	White	780	54,2

Color Temperature			Luminous Flux per meter [lm/m]	Luminous Efficacy [lm/W]
R	622 nm	Red	72	12,6
G	534 nm	Green	172,5	30,0
B	468 nm	Blue	30,5	7,9

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

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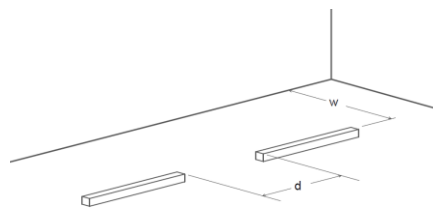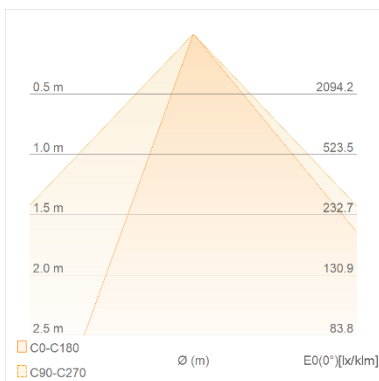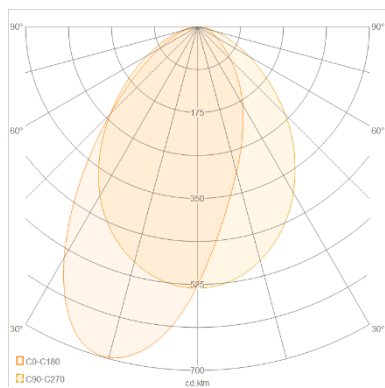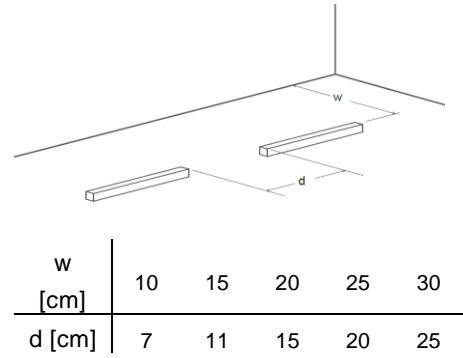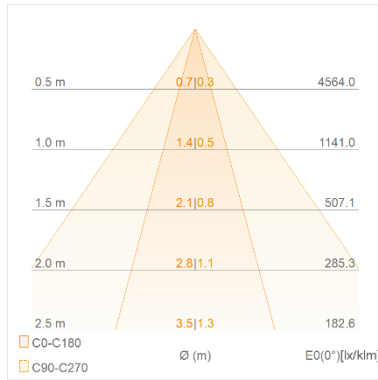

w	30	40	50	60	70	80	90
d	20	30	40	50	65	80	95

Color Temperature			Luminous Flux per meter [lm/m]	Luminous Efficacy [lm/W]
927	2400 K	White	1020	70,8
930	2700 K	White	1080	75,0
935	3000 K	White	1145	79,5
940	3500 K	White	1145	79,5

Color Temperature			Luminous Flux per meter [lm/m]	Luminous Efficacy [lm/W]
827	2400 K	White	1175	81,6
830	2700 K	White	1175	81,6
835	3000 K	White	1220	84,7
840	3500 K	White	1220	84,7

Color Temperature			Luminous Flux per meter [lm/m]	Luminous Efficacy [lm/W]
R	622 nm	Red	112	19,6
G	534 nm	Green	270	47,0
B	468 nm	Blue	47,5	12,3

30S   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]
927	2400 K	White	1020	70,8
930	2700 K	White	1080	75,0
935	3000 K	White	1145	79,5
940	3500 K	White	1145	79,5

Color Temperature			Luminous Flux per meter [lm/m]	Luminous Efficacy [lm/W]
827	2400 K	White	1175	81,6
830	2700 K	White	1175	81,6
835	3000 K	White	1220	84,7
840	3500 K	White	1220	84,7

Color Temperature			Luminous Flux per meter [lm/m]	Luminous Efficacy [lm/W]
R	622 nm	Red	112	19,6
G	534 nm	Green	270	47,0
B	468 nm	Blue	47,5	12,3

120D   Optics diffuse
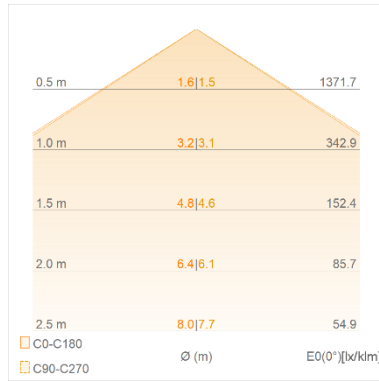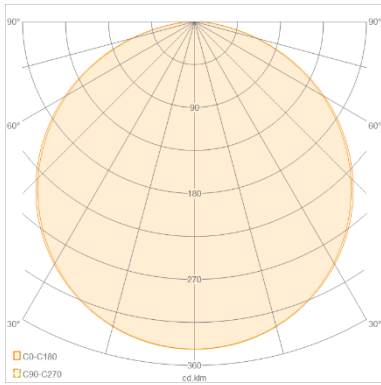
Color Temperature			Luminous Flux per meter [lm/m]	Luminous Efficacy [lm/W]
927	2400 K	White	665	46,2
930	2700 K	White	705	49,0
935	3000 K	White	745	51,7
940	3500 K	White	745	51,7

Color Temperature			Luminous Flux per meter [lm/m]	Luminous Efficacy [lm/W]
827	2400 K	White	765	53,1
830	2700 K	White	765	53,1
835	3000 K	White	795	55,2
840	3500 K	White	795	55,2

Color Temperature			Luminous Flux per meter [lm/m]	Luminous Efficacy [lm/W]
R	622 nm	Red	73	12,8
G	534 nm	Green	176	30,6
B	468 nm	Blue	31	8,1

Speaking Code

| Order Code | LR | - | ... | - | 1500 | - | ... | - | ... | - | ... | - | ... | - | ... | - | G1 | - | ... |

| Example | LR | - | P | - | 1500 | - | RGBW927 | - | WW | - | GR | - | 12 | - | TB | - | G1 | - | L1 |

Product Family
Linear Rigid...............**LR**

Installation
Outdoor (IP67)..............**P**

Flux
1100+400 lm/m.............. **1500**
400 lm/m......................... **400**

CRI + CCT
CRI>80, 2700 K......**RGBW827**
CRI>80, 3000 K......**RGBW830**
CRI>80, 3500 K......**RGBW835**
CRI>80, 4000 K......**RGBW840**

CRI>90, 2700 K.......**RGBW927**
CRI>90, 3000 K.......**RGBW930**
CRI>90, 3500 K.......**RGBW935**
CRI>90, 4000 K.......**RGBW940**

RGB only.......................**RGB**

Beam angle
10° symmetric..................**10S**
10° symmetric................**10B**
WW° asymmetric.............**WW**
Diffusive Cover................**120D**
30° symmetric.................**30S**

Finishing
Black...........................**BK**
White...........................**WI**
Gray.............................**GR**

Length
Express in dm (1 to 15)

Mounting
Recessed.......................**RE**
Tilting bracket..................**TB**
Wall arm.......................**WA**
Metal Clip.....................**MC**

Generation
Generation 1..................**G1**

Connection
One side cable...............**L1**
Two sides cables............**L2**

<u>Note Well:</u> the speaking code generator shall be communicated to receive information, quotation or any type of support. Visit the OSRAM <u>website</u>
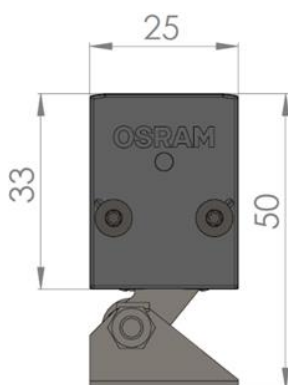
Accessories

	Product description	Product code	Package content
	LR FINESSE Tilting Brackets	Included with product	
	LR FINESSE Recessed Kit	4052899618091	1 profile
	LR FINESSE Wall Arms (MOQ 2 PCS)	4052899618084	1 arm
	LR FINESSE BAFFLE 620 (MOQ 5 PCS)	4062172197274	1 baffle
	LR FINESSE BAFFLE 920 (MOQ 5 PCS)	4062172197298	1 baffle
	LR FINESSE Metal Clip	4052899618107	10 clips
	CONNECTION TUBE IP68	4062172207553	1 connection tube

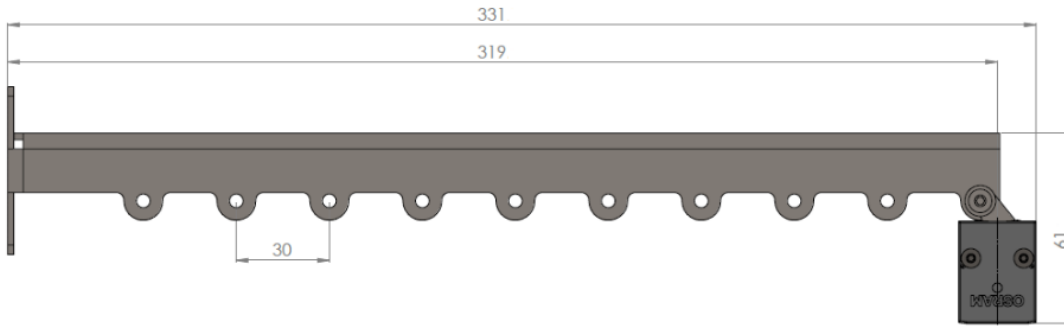## Mechanical characteristic
FINESSE
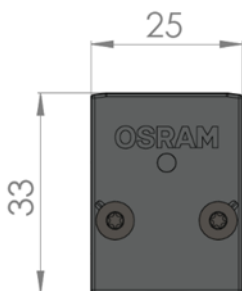
FINESSE + Tilting Bracket (TB)

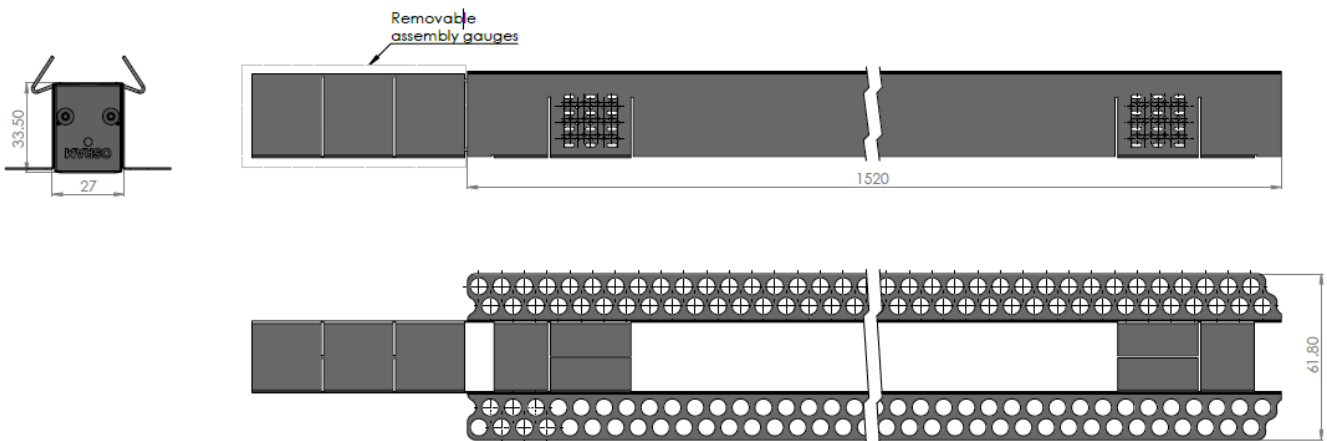**TB included on the products once order TB version**

FINESSE + Wall Arm (WA) 4052899618084

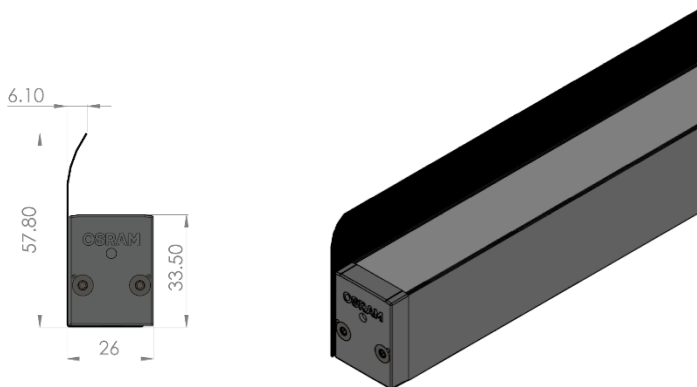**WA not included on the products once order WA version**

FINESSE + Recessed Kit (RE) 4052899618091

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

Baffle accessory (4062172197274 or 4062172197298)

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
827	2700 K	White	F
830	3000 K	White	F
835	3500 K	White	F
840	4000 K	White	F
927	2700 K	White	F
930	3000 K	White	F
935	3500 K	White	F
940	4000 K	White	F
RGB	---	RGB	G

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 OSRAM 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-DS@osram.com*

OSRAM