LINEARlight Flex

Product Overview








LINEARlight Flex

Flexible & cuttable LED module
Continuous light without shadows
Fine white binning (3SDCM)
Dimmable (PWM)

Adhesive tape for easy mounting

Light output up to 1848 lm/m
Efficacy up to 88 lm/W
Lifetime up to 50,000 h



LINEARlight Flex Protect

Flexible & cuttable LED module
Continuous light without shadows
Fine white binning (3SDCM)
Dimmable (PWM)

Covered Electronics
IP67 Protection
High performance silicon
UV resistant
Saltmist proof

Premounted feeder for easy connection
Adhesive tape for easy mounting

Flammability: Glow-wire test with 850° – EN60598-1
Mixed gas corrosion test – IEC60068-2-60

Light output up to 1400 lm/m
Efficacy up to 81 lm/W
Lifetime up to 50,000 h

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LINEARlight Flex – Product Families


Graphic № 2

LINEARlight Power Flex

Light output	up to 1848 lm/m
Efficacy	up to 82 lm/W
LEDs/m	40
Available Colors	2700K, 3000K, 4000K, 5000K, 6500K


Graphic № 4

LINEARlight Power Flex Protect

Light output	up to 1400 lm/m
Efficacy	up to 81 lm/W
LEDs/m	40
Available Colors	3000K, 4000K, 7600K


Graphic № 2

LINEARlight Flex ShortPitch

Light output	up to 846 lm/m
Efficacy	up to 88 lm/W
LEDs/m	120
Available Colors	2700K, 3000K, 4000K, 5000K, 6500K


Graphic № 2

LINEARlight Flex ADVANCED

Light output	up to 423 lm/m
Efficacy	up to 88 lm/W
LEDs/m	60
Available Colors	2700K, 3000K, 4000K, 5000K, 6500K


Graphic № 4, 3

LINEARlight Flex Protect ADVANCED

Light output	up to 390 lm/m
Efficacy	up to 78 lm/W
LEDs/m	60 (white), 50 (colored)
Available Colors	3000K, 4000K, 7000K, Blue


Graphic № 1

LINEARlight Flex ECO

Light output	up to 240 lm/m
Efficacy	up to 67 lm/W
LEDs/m	50 (white), 33 (colored)
Available Colors	2700K, 3000K, 4000K, 6500K, Blue, Red, Green, Yellow


Graphic № 3

LINEARlight Flex Protect ECO

Light output	up to 157 lm/m
Efficacy	up to 38 lm/W
LEDs/m	33
Available Colors	3000K, 4000K, 6000K, Blue, Red, Green, Yellow


Graphic № 1

LINEARlight Colormix Flex

Light output	up to 471 lm/m
LEDs/m	50 (LF05CA2), 33 (LF05CE)
Available Colors	RGB


Graphic № 3

LINEARlight Colormix Flex Protect

Light output	up to 435 lm/m
LEDs/m	50 (LF05CA-P), 33 (LF05CE-P)
Available Colors	RGB

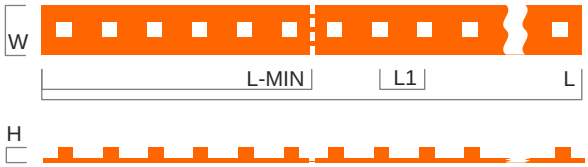
Drawings

Dimensions according to data in following table. (see picture №)

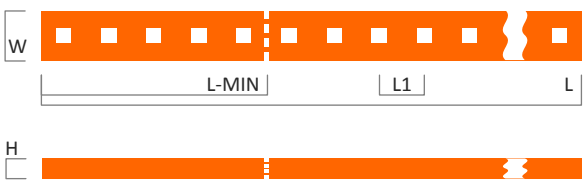
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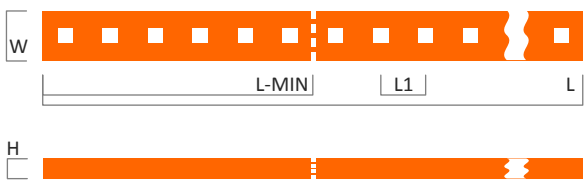
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3



4



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LINEARlight Flex – Technical Overview

Product reference	EAN	Color	K	V	W/m	lm/m	lm/W	LEDs/m	W	lm	Wavelength	IP	L	L-MIN	L1	W	H	№
LINEARlight POWER Flex																		
LF06P2-W5F-827	4008321971272	white	2700	24	22,7	1597	70	40	68	4792	-	-	3000	150	25	8	2,5	2
LF06P2-W5F-830	4008321971296	white	3000	24	22,7	1723	76	40	68	5168	-	-	3000	150	25	8	2,5	2
LF06P2-W5F-840	4008321971319	white	4000	24	22,7	1848	82	40	68	5544	-	-	3000	150	25	8	2,5	2
LF06P2-W5F-850	4008321971791	white	5000	24	22,7	1848	82	40	68	5544	-	-	3000	150	25	8	2,5	2
LF06P2-W5F-865	4008321971333	white	6500	24	22,7	1848	82	40	68	5544	-	-	3000	150	25	8	2,5	2
LINEARlight Flex® ShortPitch																		
LF06S-W3F-827	4008321973887	white	2700	24	9,7	780	81	120	58	4680	-	-	6000	50	8,33	8	2	2
LF06S-W3F-830	4008321973894	white	3000	24	9,7	780	81	120	58	4680	-	-	6000	50	8,33	8	2	2
LF06S-W3F-840	4008321973900	white	4000	24	9,7	846	88	120	58	5076	-	-	6000	50	8,33	8	2	2
LF06S-W3F-850	4008321973917	white	5000	24	9,7	846	88	120	58	5076	-	-	6000	50	8,33	8	2	2
LF06S-W3F-865	4008321973924	white	6500	24	9,7	846	88	120	58	5076	-	-	6000	50	8,33	8	2	2
LINEARlight Flex® ADVANCED																		
LF06A-W3F-827	4008321973986	white	2700	24	4,8	390	81	60	48	3900	-	-	10000	100	16,7	8	2,1	2
LF06A-W3F-830	4008321973993	white	3000	24	4,8	390	81	60	48	3900	-	-	10000	100	16,7	8	2,1	2
LF06A-W3F-840	4008321974006	white	4000	24	4,8	423	88	60	48	4230	-	-	10000	100	16,7	8	2,1	2
LF06A-W3F-850	4008321974013	white	5000	24	4,8	423	88	60	48	4230	-	-	10000	100	16,7	8	2,1	2
LF06A-W3F-865	4008321974020	white	6500	24	4,8	423	88	60	48	4230	-	-	10000	100	16,7	8	2,1	2
LINEARlight Flex® ECO																		
LF05E2-W2F-827	4008321971357	white	2700	24	3,6	205	57	50	36	2050	-	-	10000	100	20	8	2,5	1
LF05E2-W2F-730	4008321971371	white	3000	24	3,6	220	61	50	36	2200	-	-	10000	100	20	8	2,5	1
LF05E2-W2F-740	4008321971395	white	4000	24	3,6	240	67	50	36	2400	-	-	10000	100	20	8	2,5	1
LF05E2-W2F-865	4008321971418	white	6500	24	3,6	220	61	50	36	2200	-	-	10000	100	20	8	2,5	1
LF05E-B2	4008321955425	blue	-	24	4,1	48	12	33	24,5	290	470	-	6000	150	30	8	2,5	1
LF05E-R1	4008321955418	red	-	24	6,0	140	23	33	36	840	625	-	6000	150	30	8	2,5	1
LF05E-T2	4008321955449	green	-	24	4,1	157	38	33	24,5	940	525	-	6000	150	30	8	2,5	1
LF05E-Y1	4008321955432	yellow	-	24	6,0	140	23	33	36	840	587	-	6000	150	30	8	2,5	1
LINEARlight Colormix Flex																		
LF05CA2-RGB3	4008321851536	RGB	-	24	18,0	471	26	50	72	1883	625/525/467	-	4000	100	20	8	2,2	1
LF05CE-RGB1	4008321593375	RGB	-	24	6,5	179	28	33	39	1075	625/525/467	-	6000	150	30	8	2,2	1
LINEARlight POWER Flex Protect																		
LF06P2-W4F-830-P[i]	4008321790668	white	3000	24	18,8	1250	66	40	96[i]	6375	-	IP67	5100	150	25	11	3,7	4
LF06P2-W4F-840-P	4008321789945	white	4000	24	18,8	1400	74	40	96	7140	-	IP67	5100	150	25	11	3,7	4
LF06P2-W4F-876-P	4008321789969	white	7600	24	17,3	1400	81	40	88	7140	-	IP67	5100	150	25	11	3,7	4
LINEARlight Flex® Protect ADVANCED																		
LF06A-W4F-830-P	4008321789983	white	3000	24	5,0	350	70	60	50	3500	-	IP67	10000	100	16,7	11	3,7	4
LF06A-W4F-840-P	4008321790125	white	4000	24	5,0	390	78	60	50	3900	-	IP67	10000	100	16,7	11	3,7	4
LF06A-W4F-870-P	4008321790149	white	7000	24	5,0	390	78	60	50	3900	-	IP67	10000	100	16,7	11	3,7	4
LF05A-B3-P	4008321617804	blue	-	24	7,3	85	12	50	72	840	467	IP67	9900	100	20	11	4,5	3
LINEARlight Flex® Protect ECO																		
LF05E-W2F-830-P	4008321616432	white	3000	24	4,1	128	31	33	24,5	765	-	IP67	6000	150	30	11	4,5	3
LF05E-W2F-840-P	4008321621184	white	4000	24	4,1	157	38	33	24,5	940	-	IP67	6000	150	30	11	4,5	3
LF05E-W2F-860-P	4008321616777	white	6000	24	4,1	128	31	33	24,5	765	-	IP67	6000	150	30	11	4,5	3
LF05E-B2-P	4008321616913	blue	-	24	4,1	48	12	33	24,5	290	467	IP67	6000	150	30	11	4,5	3
LF05E-R1-P	4008321616937	red	-	24	6,0	140	23	33	36	840	625	IP67	6000	150	30	11	4,5	3
LF05E-T2-P	4008321616951	green	-	24	4,1	157	38	33	24,5	940	522	IP67	6000	150	30	11	4,5	3
LF05E-Y1-P	4008321616975	yellow	-	24	6,0	140	23	33	36	840	587	IP67	6000	150	30	11	4,5	3
LINEARlight Colormix Flex Protect																		
LF05CA-RGB3-P	4008321977205	RGB	-	24	18,0	435	24	50	72	1740	625/525/467	-	4000	100	20	11	4,5	3
LF05CE-RGB1-P	4008321977182	RGB	-	24	6,5	179	28	33	39	1075	625/525/467	-	6000	150	30	11	4,5	3

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Complementary systems and accessories

Accessories

x = Combination between LINEARlight Flex® modules and accessory
↑ = Accessory works with prior listed accessory

		LF06P2-W5F-XXX	LF06S-W3F-XXX	LF06A-W3F-XXX	LF05E2-W2F-8XXX LF05E-XX	LF05CA2-RGB3	LF05CE-RGB1	LF06P2-W4F-XXX-P	LF06A-W4F-XXX-P	LF05A-XX-P	LF05E-W2F-XXX-P LF05E-XX-P	LF05CA-RGB3-P LF05CE-RGB1-P
SLIM TRACK SYSTEM												
LF-LTS-2100 SLIM TRACK	4008321978981	x	x	x	x	x	x	x	x	x	x	x
LF-LTS-MB MOUNTING BRACKET	4008321979025	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
LF-LTS-COVER-DIFFUSE	4008321979001	x	x	x	x	x	x	x	x	x	x	x
LF-LTS-ENDCAP	4008321979049	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
LF-LTS COVER C (CLEAR)	4008321790187	x	x	x	x	x	x	x	x	x	x	x
LF-LTS COVER S (SHORTPITCH-DIFF)	4008321790200	x	x	x	x	x	x	x	x	x	x	x
SLIMCONNECTsystem FLEX												
LF-2PIN Flex SC	4008321832436	x	x	x	x							
LF-4PIN Flex SC	4052899904835					x						
LF-2PIN Flex IP SC	4008321841902							x	x			
LF-CONN Flex SC	4008321832467	x	x	x	x	x		x	x			
LF-CONN Flex IP SC (with LF-CONN Flex SC)	4008321841926							↑	↑			
LF-WIRE-30 FLEX SC (with LF-CONN Flex SC)	4008321875587	↑	↑	↑	↑	↑						
LF-WIRE-150 FLEX SC (with LF-CONN Flex SC)	4008321875563	↑	↑	↑	↑	↑						
CONNECTsystem FLEX												
LF-2PIN FLEX	4008321955326	x	x	x	x							
LF-4PIN	4008321514585						x					
LF-CONN-10 FLEX	4008321955333	x	x	x	x		x					
LF-CONN-150 FLEX	4008321955340	x	x	x	x		x					
LF-2TERM FLEX	4008321955357	x		x								
CONNECTsystem FLEX IP67 LP												
LF-ENDCAP IP67 LP	4052899902565							x	x			
LF-2CONN IP67 LP	4052899902527							x	x			
LF-2PIN IP67 LP	4052899902480							x	x			
CONNECTsystem FLEX IP67												
LF-ENDCAP PROTECT	4008321977106									x	x	x
LF-CLIP FIXTURE PROTECT	4008321644749									x	x	x
LF-2PIN PROTECT	4008321977069									x	x	
LF-4PIN PROTECT	4008321977076											x
LF-4CONN PROTECT	4008321977090											x
LF-2CONN PROTECT	4008321977083									x	x	

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OPTOTRONIC

Product reference	EAN10	Interface for Dimming	IP	Interface
OPTOTRONIC OT 6/200-240/24 CE	4008321113269	NO	IP65	
OPTOTRONIC OT 8/200-240/24	4008321040169	NO	IP20	
OPTOTRONIC OT 20/220-240/24	4050300618111	NO	IP20	
OPTOTRONIC OT 20/120-240/24 S	4050300662626	NO	IP20	
OPTOTRONIC OT 50/220-240/24	4052899905566	NO	IP20	
OPTOTRONIC OT 75/220-240/24	4050300817477	NO	IP20	
OPTOTRONIC OT 75/220-240/24 E	4008321362476	NO	IP64	
OPTOTRONIC OT 80/220-240/24 P	4008321981684	NO	IP67	
OPTOTRONIC OT 120/220-240/24 P	4008321981707	NO	IP67	
OPTOTRONIC OT 240/220-240/24 P	4008321981721	NO	IP67	
OPTOTRONIC OT EASY 60 II	4008321187796	YES	IP20	EASY
OPTOTRONIC OT EASY 80	4008321808363	YES	IP20	EASY
OPTOTRONIC OT 65/220-240/24 3DIM E	4008321964403	YES	IP20	3DIM: DALI, StepDIM, AstroDIM
OPTOTRONIC OTi DALI 75/220-240/24 1-4 CH	4008321371560	YES	IP20	DALI
OPTOTRONIC OT 80/220-240/24 DIM P	4008321981677	YES	IP67	1-10 V
OPTOTRONIC OT 120/220-240/24 DIM P	4008321981691	YES	IP67	1-10 V
OPTOTRONIC OT 240/220-240/24 DIM P	4008321981714	YES	IP67	1-10 V

In order to drive OSRAM LED-Modules safely, it is absolutely necessary to operate them with an electronically stabilized power supply protecting against short circuits, overload and overheating.

To also ease the luminaire/installation approval, electronic control gear for LED or LED modules should carry the CE mark and be ENEC certified. In Europe the declarations of conformity must include the following standards:
CE: EC 61347-2-13, EN 55015, IEC 61547 and IEC 61000-3-2 - ENEC: 61347-2-13 and IEC/EN 62384.
Also check for the mark of an independent authorized certification institute.
Please see the relevant brochure for more detailed information (see "Related and Further Information")

OSRAM OPTOTRONIC® control gear complies to all relevant standards and guarantees safe operation.

Contacts & Information

German engineering meets Italian elegance – **creating a European product**
All LINEARlight Flex® are Made in Italy by OSRAM, with over 100 years of experience in light solutions.

OSRAM GmbH

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Sales and technical support is given by the local OSRAM subsidiaries.

On the OSRAM website all subsidiaries are listed with complete address and phone numbers.

OSRAM LED Systems — www.osram.com/led-systems
OSRAM catalogue — http://catalog.osram.com
General information — www.osram.com

[i] LF06P2-W4F-830-P currently in phase of changing from 96W to 88W

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