SCHEDA TECNICA DEL PRODOTTO
LF1300RGBW -G1-830-04

LINEARlight Colormix Flex | Moduli LED flessibili e colorati

Aree di applicazione

- Effect lighting in architecture
- Injection of light into displays and low-profile light guides
- Dynamic effects in public zones

Vantaggi del prodotto

- Uniform color changing
- Great design freedom thanks to flexibility and cuttability of module
- Simple mounting and connection
- Type of protection: IP00
- Toolless connection with the optional CONNECTsystem for RGB
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back

Caratteristiche del prodotto

- Flexible and cuttable LED strip with inline multichip RGB LEDs
- RGBW all types: full single bin on each color and white
- RGB LF200C and LF05CE: binning on white (RGB mix)
- RGB LF05CA2: binning on single colors R, G, B

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DATI TECNICI

DATI ELETTRICI

Potenza nominale	69,80 W
Potenza di costruzione	69.80 W
Potenza nominale al metro	17,9 W
Tensione nominale	24 V
Gamma di tensione	23…25 V
Tensione inversa	25 V
Tipo di corrente	DC
Corrente nominale	2900,000 mA

Dati fotometrici

Efficienza luminosa	116 lm/W
Flusso luminoso	5041 lm
Flusso luminoso al metro	1293 lm
Temperatura di colore	3000 K
Indice di resa cromatica Ra	80
Tonalità di luce del LED	RGB, bianco
Colore della luce (descrizione)	RGBW
Fattore manten. flus lum fine du	0.70

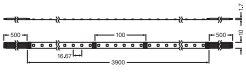
Dati illuminotecnici

Ampiezza fascio luminoso	120 °
Fascio luminoso nomin (semivalor	120.00 °
Tempo innesco	< 0.5 s
Tempo di riscaldamento (60 %)	0,00 s

LED MODULE INFORMATION

Numero di LED al metro	120
Numero di LED per modulo	468
Numero di LED per unità più piccola	12

DIMENSIONI E PESO



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Lunghezza	3900 mm
Lunghezza unità più piccola	100 mm
Lunghezza del cavo	500.000
Larghezza	10,00 mm
Larghezza (incl. Apparecchi rotondi)	10.00 mm
Altezza	1,40 mm
Altezza (incl. Apparecchi cilin.)	1.40 mm
Sezione dei cavi, lato ingresso	0,5 mm^2
Varietà di conduttori	0.5 mm^2
LED pitch	16,7 mm
Peso prodotto	91,00 g

TEMPERATURE E CONDIZIONI DI FUNZIONAMENTO

Temperatura ambiente	-20…+50 °C
t° max su punto di prova Tc	75 °C
Temperatura di funzionamento [PIM]	-20…+85 °C [1)]
Tempo di performance conforme CEI 62717	45 °C [2)]

1) Il superamento dei valori nominali massimi ridurrà la durata prevista o distruggerà la striscia LED.

2) Tp nominale. Il punto Tp coincide con il punto Tc - segnato sul dispositivo

Durata

Durata nominale della lampada	60000 h
Numero cicli accensione / spegnimento	≥ 15000

ALTRE CARATTERISTICHE DEL PRODOTTO

Nota a pié pag. utilizzata per prodotto	Moduli perfettamente abbinati ai driver LED OSRAM OPTOTRONIC® (vedi tabella relativa) / Per i dati fotometrici attuali e informazioni importanti sulla sicurezza, sull'installazione e sull'applicazione, vedere <Hyperlink target = "http://www.osram.com/led-systems"> www.osram.com/led-systems. / Tutti i parametri tecnici si applicano al modulo completo. In considerazione del complesso processo di produzione dei diodi a emissione luminosa, i valori tipici forniti sopra per i parametri LED tecnici sono puramente valori statistici che non corrispondono necessariamente ai valori tecnici effettivi di un singolo prodotto; i singoli prodotti possono variare dai valori tipici / Bin singolo pieno su bianco e ogni colore / Con lunghezze d'onda RGB: R/G/B 622/534/485 nm

CARATTERISTICHE

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Dimmerabile	Sì
Interfaccia per la regolazione	PWM
Tipo di installazione	Montaggio a superficie
Raggio di curvatura minimo	20 mm
Autoadesivo	Sì

CERTIFICATI, NORME E DIRETTIVE

Norme	CE; ENEC 10 VDE / EAC / Componente UL riconosciuto secondo UL 8750
Grado di protezione	IP00
Consumo di energia	30.00 kWh/1000h
Classe di efficienza energetica	A++

DATI LOGISTICI

Temperatura di stoccaggio	-40…+85 °C

Apparecchiatura / Accessori

- Simplified connection with optional matching CONNECTsystem for RGB
- Quick installation with optional SLIM TRACK System
- Perfectly matched to OPTOTRONIC 24 V electronic control gears

INFORMAZIONI AGGIUNTIVE SUL PRODOTTO

- Some LED modules are equipped with a self-adhesive tape for attaching the LED module to suitable materials, such as aluminum profiles, which must be clean and free of oil or silicone coatings, as well as other dirt/dust particles. The adhesive tape is intended for single use and if removed may damage the material to which it is stuck and the LED module itself, which must then be scrapped. Use the adhesive tape when the installation material temperature is in the 18 °C...35 °C range. Complete adhesion takes up to 72 h.
- LED modules are designed for static installations in accordance with IPC 6013C – Use A. Take material vibrations, repetitive torsion, and elongation/compression into account.
- If the operating environment covers a broad temperature range (e.g. outdoor applications) and the operating length is longer than 2 m, the use of adequate mounting surfaces is required. The use of an additional thicker adhesive tape between LED module and mounting surface is also recommended in order to absorb the stress of any mismatch in expansion. Assure enough space for module expansion with increasing temperature.
- The manufacturer is not responsible for damage due to chemical corrosion. The user must provide suitable protection against corrosive agents such as moisture and condensation and any other harmful elements/compounds. Make certain to avoid corrosive atmospheres. According to the current state of LED technology, hydrogen sulfide (H2S) causes accelerated corrosion which leads to shortened lifetime or premature failure. Sources of H2S may be rubber, foam rubber, soft-foam tapes, rubber-based sealing, natural sources (e.g. sulfur springs), etc. To avoid H2S from sulfur-vulcanized rubber use silicon-based materials or peroxide-crosslinked rubber instead. Follow the recommendations in the material datasheet of the rubber supplier.
- IP00 LED modules, as manufactured, have no conformal coating and therefore offer no inherent protection against corrosion. Conformal coating treatment is possible, however materials must be selected properly in order to avoid product damage or impaired performance; the user must also completely seal the cut parts (ends/edges).
- For applications involving exposure to humidity and dust the module must be protected by a fixture or housing with a suitable IP protection class.
- Consult OSRAM Technical Service for further advice.
- Only a qualified electrician may install the module.

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- Handle with care and ensure that there is no mechanical product damage, including damage to invisible internal electronics parts.
- Exceeding maximum operating and storage temperature ratings can reduces the expected lifetime or even destroy the LED module. The temperature of the LED module must be measured at the Tc-point in accordance with EN 60598-1 under steady-state conditions, considering the worst case; drive all channels at 100 % power. Refer to the product drawing for the exact location of the Tc-point.
- Exceeding the maximum ratings for the operating voltage causes hazardous overload and will likely destroy the LED module.
- Installation of LED modules and connection to the power supply must comply with all applicable electrical and safety standards.
- Observe correct polarity and wiring diagrams! Incorrect polarity or wrong wiring can cause unpredictable permanent damage or even failure of the product.
- Never exceed the maximum operable length, including daisy-chaining connections.
- Always ensure electrical isolation between the LED module and the mounting surface, especially in the vicinity of connections or cut ends.
- IP00 LED modules are ESD-sensitive; take adequate precautions during installation and operation of the products.
- Use only SELV LED drivers in accordance with applicable lighting standards and LED module ratings. In order to safely operate OSRAM LED modules it is necessary to supply them with an electronically stabilized power supply providing protection against short circuits, overload and overheating. To simplify the approval process of the luminaire/installation, the electronic power supplies control gear for LED modules must bear the CE and ENEC marking. In Europe the Declarations of Conformity must include at least the following standards: EN 61347-2-13, EN 55015, EN 61547 and EN 61000-3-2. ENEC certification will be based on EN 61347-2-13 and EN 62384. OSRAM OPTOTRONIC LED drivers comply with all relevant standards and guarantee safe operation; see the relevant brochure for more detailed information about OSRAM OPTOTRONIC.
- Avoid installations in rural and urban areas with high industrial activity and heavy traffic (higher than class than 4C1 according IEC 60721-3) and as well as installation in spa, areas with chlorine atmosphere, direct exposure to blown sand.

DOWNLOAD

	Documenti e certificati	Document name
PDF	User instruction	LINEARlight Flex
PDF	Declarations Of Conformity CE	Manufacturers Declaration of Conformity
PDF	Declarations Of Conformity CE	Declaration of Conformity
PDF	Certificates	EAC Certificate
PDF	Certificates	ENEC10_VDE Certificate
PDF	Certificates	CB TEST CERTIFICATE DE1-59711
PDF	Certificates	UL Certificate

	Fotometrie e file di design	Document name
IES	IES file (IES)	IES data LF1300RGBW-G1-8xx-04 Green
LDT	LDT file (Eulumdat)	Eulumdat LF1300RGBW-G1-8xx-04 Green

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DATI LOGISTICI

Codice prodotto	Unità di imballo (Pezzi/unità)	Dimensioni (lunghezza x profondità x altezza)	Peso lordo	Volume
4052899525146	Astuccio 1	186 mm x 190 mm x 29 mm	207.00 g	1.02 dm^3
4052899525153	Cartone di spedizione 8	241 mm x 195 mm x 205 mm	1845.00 g	9.63 dm^3

Il codice prodotto indicato descrive la minore quantità che può essere ordinata. Una unità di spedizione può contenere uno o più di un singolo prodotto. Quando si inserisce un ordine, per la quantità inserire una o più unità di spedizione.

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