

Produktdatenblatt

Herstellerdaten

Marke: Ledomec
Hersteller: mec-light GmbH & Co. KG
Adresse: Aachener Straße 420, 41069 Mönchengladbach
Modellkennung: LM-DIGI-COB-RGBW-840-24

Produktbeschreibung

Der **Digital RGB/RGBW COB LED Streifen 24 V** ist ein adressierbares Hochleistungs-LED-Lichtband mit *integrierter IC-Steuerung*. Jede LED oder Pixelgruppe kann einzeln angesprochen werden, um komplexe Farbverläufe, laufende Effekte und animie ideal für Ambiente-, Design- oder Dekorbeleuchtung.

Allgemeine Produktparameter

Parameter	Wert	Parameter	Wert
Energieverbrauch (kWh/1000 h)	20	Energieeffizienzklasse	F
Lichtstrom (Weißmodus)	900 lm/m (120 ° Abstrahlwinkel)	Farbsteuerung	Digital RGB/RGBW (IC-gesteuert)
Betriebsspannung	24 V DC	Leistungsaufnahme	20 W/m
LED-Dichte	840 LEDs/m (COB-Technologie)	IC-Typ	Adressierbare Pixel (IC z. B. WS2811 / SK6812)
CRI	Ra ≥ 90 (im Weißmodus)	Dimmbar	Ja (Controllerabhängig)
Schutzart	IP66 (spritzwassergeschützt)	Betriebstemperatur	-20 °C ... +50 °C
Lebensdauerfaktor	1,00	Lichtstromerhalt	0,97

Abmessungen

Länge	Breite	Dicke
1000 mm	10 mm	3 mm

Besondere Funktionen

- Ansteuerbare COB LEDs mit individueller Pixelkontrolle
- Fließende Lichtanimationen und Lauflichteffekte
- RGB oder RGBW Farbsteuerung
- COB Design für homogene Lichtlinie ohne Punkte
- Staub- und Spritzwasserschutz (IP66)

Anwendungsbereiche

- Architektur- und Showbeleuchtung
- Eventtechnik & Dekor-Design
- Digitale Ambiente-Beleuchtung im Smart Home
- LED-Installationen für Kreativprojekte und Displays

Energieetikett (Energielabel)

Modell: LM-DIGI-COB-RGBW-840-24
Energieeffizienzklasse: F
Energieverbrauch: 20 kWh / 1000 h
Betriebsspannung: 24 V DC
Schutzart: IP66
Lichtstrom: 900 Lm/m (Weißmodus)

CRI: Ra $\geq$ 90

Technologie: Digital COB adressierbar (RGB / RGBW)

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Stand: Mai 2024 – Technische Änderungen vorbehalten.



BST A RELIABLE TESTING FOR TRUST

GLOBAL TESTING AND CERTIFICATION PRECISION SERVICE CLOUD FACTORY

Certificate of Compliance

Certificate No. : XDX41230216102601EC

Applicant : **NEWSMART LED LIMITED**
1 building MingJinghai Industrial Park, Shiyan Town, Bao'an, Shenzhen, China

Manufacturer : **NEWSMART LED LIMITED**
1 building MingJinghai Industrial Park, Shiyan Town, Bao'an, Shenzhen, China

Product Name : **Flexible led Strip light**

Trademark : **NEWSMART**

Main Test Model : **NS-2835-120-24-1**

Additional Model : NS-COB-320-12/24, NS-COB-480-12/24, NS-COB-528-12/24, NS-COB-608-12/24, NS-COB-810-12, NS-COB-840-24, NS-COB-1080-24, NS-COB-784-24, NS-COB-840-24-Z, NS-COB-480-24-L, NS-COB-480-24-N, NS-COB-AA-12/24, NS-COB-ZZ-12/24, NS-COB-480-12/24-M, NS-COB-378-24, NS-COB-576-24, NS-COB-528-12/24-F, NS-COB-360-24, NS-COB-X-24, NS-COB-720-24-D, NS-COB-576-24, NS-COB-784-24-D, NS-2835-288-24, NS-2835-400-24, NS-5050-288-24-A, NS-5050-288-24-B, NS-2835-252-24, NS-5050-288-24-C, NS-2835-60-12/24, NS-2835-120-12/24, NS-2835-AA-12/24, NS-2835-ZZ-12/24, NS-2835-240-12/24, NS-2835-168-12/24, NS-2835-192-12/24, NS-5050-60-12/24, NS-5050-30-12/24, NS-5050-60-12/24-A, NS-5050-120-12/24-A, NS-5050-60-12/24-B, NS-5050-120-12/24-B, NS-5050-60-12/24-C, NS-2835-128-24, NS-2835-160-24-A, NS-2835-160-24-B, NS-2835-120-24-CC, NS-2835-130-48, NS-3014-60-12/24, NS-3014-120-12/24, NS-2835-48-24, NS-5050-24-24, NS-2216-224-24, NS-2835-60-12/24-S, NS-2835-126-12-WF, NS-2835-120-24-WF, NS-5050-60-24-A-DMX, NS-5050-60-24-B-DMX, NS-5050-60-12/24-A-A, NS-2835-120-12/24-A-A, NS-5050-60-12/24-A-B, NS-5050-60-12/24-B-C, NS-5050-60-5-A-C, NS-5050-60-5-B-C, NS-5050-60-12-A-D, NS-5050-60-12-A-E, NS-5050-60-12-A-F, NS-2216-240-24, NS-2216-300-24, NS-3528-60-12/24, NS-3528-120-12/24, NS-3528-240-12/24, NS-5730-60-12/24, NS-5730-120-12/24

Test Standard : **EN IEC 55015:2019+A11:2020, EN 61547:2009**
EN IEC 61000-3-2:2019/A1:2021, EN 61000-3-3:2013/A2:2021/AC:2022-01

As shown in the Test Report No. : **XDX41230216102601ER**

The EUT described above has been tested by us with the listed standards and found in compliance with the council EMC directive 2014/30/EU. It is possible to use CE marking to demonstrate the compliance with this EMC Directive.

The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production.



Christina Deng
Manager
Oct. 26, 2023

BST Testing(Shenzhen) Co., Ltd.

Add: No.7, New Era Industrial Zone, Guantian, Bao'an District, Shenzhen, Guangdong, China

Certificate Search: <http://www.bst-lab.com>, Tel: 400-882-6168, 8009990305, E-mail: christina@bst-lab.com



BST A RELIABLE TESTING FOR TRUST

GLOBAL TESTING AND CERTIFICATION PRECISION SERVICE CLOUD FACTORY

Certificate of Compliance

Certificate No. : BSTDGX41230216102601CC

Applicant : NEWSMART LED LIMITED

1 building MingJinghai Industrial Park, Shiyan Town, Bao'an, Shenzhen, China

Manufacturer : NEWSMART LED LIMITED

1 building MingJinghai Industrial Park, Shiyan Town, Bao'an, Shenzhen, China

Product Name : Flexible led Strip light

Trademark : NEWSMART

Main Test Model : NS-2835-120-24-1

NS-COB-320-12/24, NS-COB-480-12/24, NS-COB-528-12/24, NS-COB-608-12/24,
NS-COB-810-12, NS-COB-840-24, NS-COB-1080-24, NS-COB-784-24, NS-COB-840-24-Z,
NS-COB-480-24-L, NS-COB-480-24-N, NS-COB-AA-12/24, NS-COB-ZZ-12/24,
NS-COB-480-12/24-M, NS-COB-378-24, NS-COB-576-24, NS-COB-528-12/24-F,
NS-COB-360-24, NS-COB-X-24, NS-COB-720-24-D, NS-COB-576-24, NS-COB-784-24-D,
NS-2835-288-24, NS-2835-400-24, NS-5050-288-24-A, NS-5050-288-24-B, NS-2835-252-24
NS-5050-288-24-C, NS-2835-60-12/24, NS-2835-120-12/24, NS-2835-AA-12/24,
NS-2835-ZZ-12/24, NS-2835-240-12/24, NS-2835-168-12/24, NS-2835-192-12/24,
NS-5050-60-12/24, NS-5050-30-12/24, NS-5050-60-12/24-A, NS-5050-120-12/24-A,
NS-5050-60-12/24-B, NS-5050-120-12/24-B, NS-5050-60-12/24-C, NS-2835-128-24,
NS-2835-160-24-A, NS-2835-160-24-B, NS-2835-120-24-CC, NS-2835-130-48,
NS-3014-60-12/24, NS-3014-120-12/24, NS-2835-48-24, NS-5050-24-24, NS-2216-224-24,
NS-2835-60-12/24-S, NS-2835-126-12-WF, NS-2835-120-24-WF, NS-5050-60-24-A-DMX,
NS-5050-60-24-B-DMX, NS-5050-60-12/24-A-A, NS-2835-120-12/24-A-A,
NS-5050-60-12/24-A-B, NS-5050-60-12/24-B-C, NS-5050-60-5-A-C, NS-5050-60-5-B-C,
NS-5050-60-12-A-D, NS-5050-60-12-A-E, NS-5050-60-12-A-F, NS-2216-240-24,
NS-2216-300-24, NS-3528-60-12/24, NS-3528-120-12/24, NS-3528-240-12/24,
NS-5730-60-12/24, NS-5730-120-12/24

Additional Model :

**Test Standard : IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013,
IEC 62321-6:2015, IEC 62321-7-1:2015,
IEC 62321-7-2:2017, IEC 62321-8:2017**

As shown in the Test Report No. : BSTDGX41230216102601CR

The EUT described above has been tested by us and found in compliance with the council RoHS 2 Directive 2011/65/EU Annex II (EU) 2015/863 as last amended by Directive (EU) 2017/2102. This certificate is only valid in conjunction with the test report.



RoHS



Christina Deng
Manager
Oct. 26, 2023

Dongguan BST Testing Co., Ltd

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