

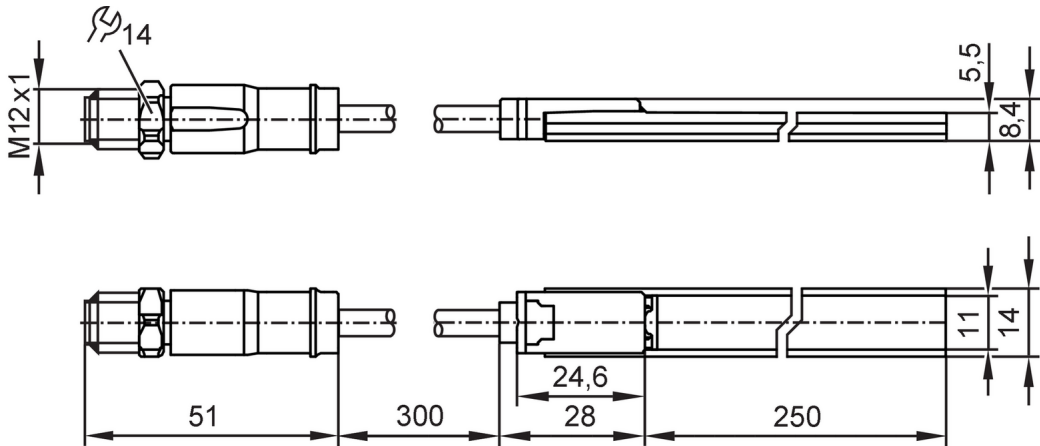
DV1151



LED strip RGBW

LED-Strip-RGBW-transp-250mm-cl

IO-Link-capable with DP1615



Application

Special feature

Halogen-free; gold-plated contacts; Drag chain suitability

Application

signaling machine conditions

Electrical data

Operating voltage

[V]

21.6...26.4 DC

Nominal voltage DC

[V]

24; (to SELV/PELV)

Max. current consumption

[mA]

199; (red: 40; green: 40; blue: 42; white: 77)

Color temperature

[K]

7500

Luminous flux

[lm]

red: 32; green: 91; blue: 24; white: 193

Typ. lifetime

[h]

60000

Inputs

Input circuit of digital inputs

24 V PNP

Operating conditions

Ambient temperature

[°C]

-20...45

Storage temperature

[°C]

-25...65

Max. relative air humidity

[%]

90

Max. height above sea level

[m]

4000

Protection

IP 68

Pollution degree

2

Tests / approvals

Approval

EN 62471; IEC 62031

Mechanical data

Weight

[g]

222

Dimensions

[mm]

278 x 14 x 8.4

Material

housing: TPU (urethane)

Sealing material

FKM

Drag chain suitability

yes

DV1151



LED strip RGBW

LED-Strip-RGBW-transp-250mm-cl

Drag chain suitability	Bending radius for flexible applications	min. 10 x cable diameter
	Travel speed	max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s ²
	Bending cycles	> 1 Mio.
	Torsional strain	± 180 °/m

Displays / operating elements

Display	signaling machine conditions	LED, multi-color RGB
	mounting light	LED, white

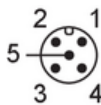
Remarks

Notes	IO-Link-capable with DP1615
Pack quantity	1 pcs.

Electrical connection

Cable: 0.3 m, PUR, Halogen-free, black, Ø 4.3 mm; 5 x 0.34 mm² (42 x Ø 0.1 mm)

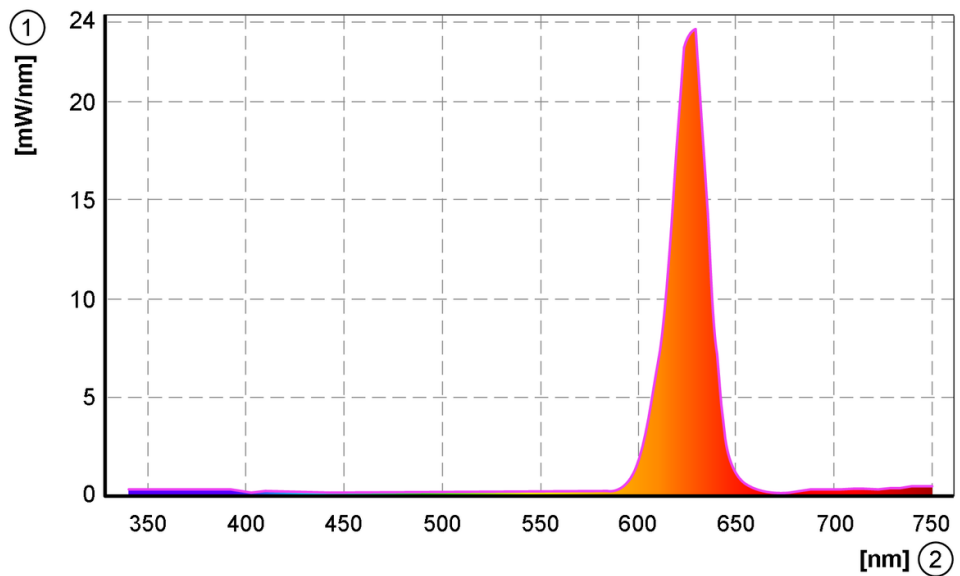
Connector: 1 x M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; sealing: FKM; Tightening torque: 0.6...1.5 Nm



1	L+	(red)
2	L+	(green)
3	L-	
4	L+	(white)
5	L+	(blue)

Diagrams and graphs

wavelength of the red light spectrum



- 1 brightness
- 2 Wave length

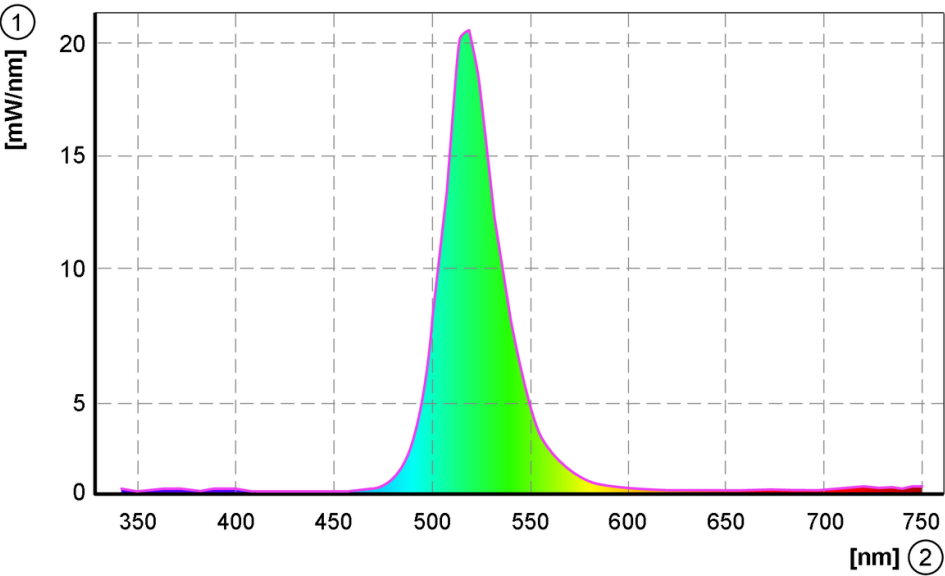
DV1151



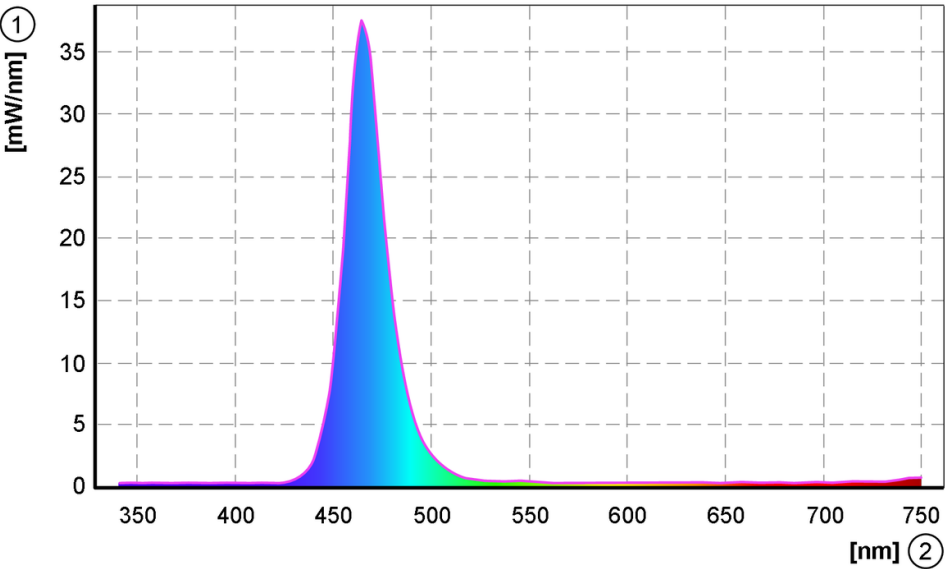
LED strip RGBW

LED-Strip-RGBW-transp-250mm-cl

wavelength of the green light spectrum



wavelength of the blue light spectrum



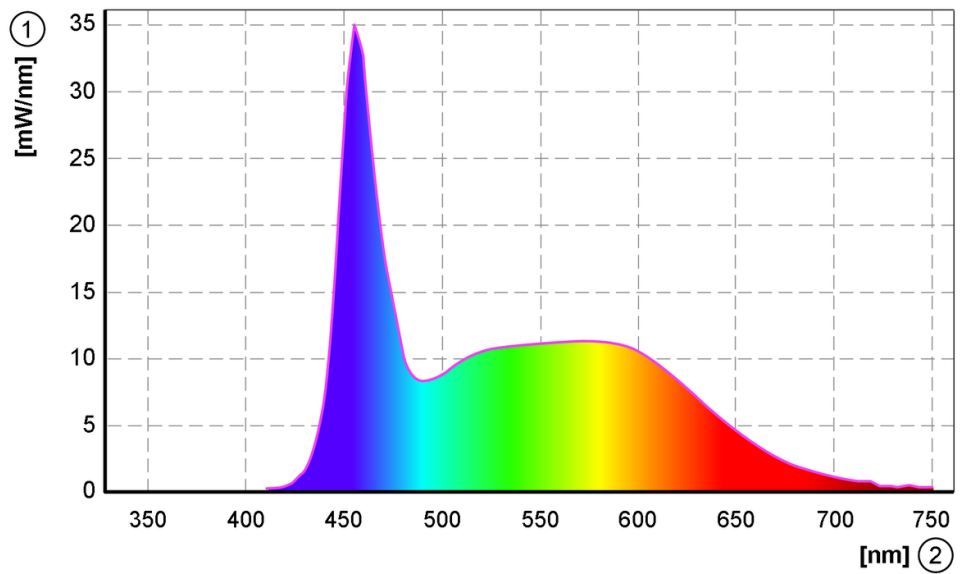
DV1151



LED strip RGBW

LED-Strip-RGBW-transp-250mm-cl

wavelength of the white light spectrum



- 1 brightness
- 2 Wave length