

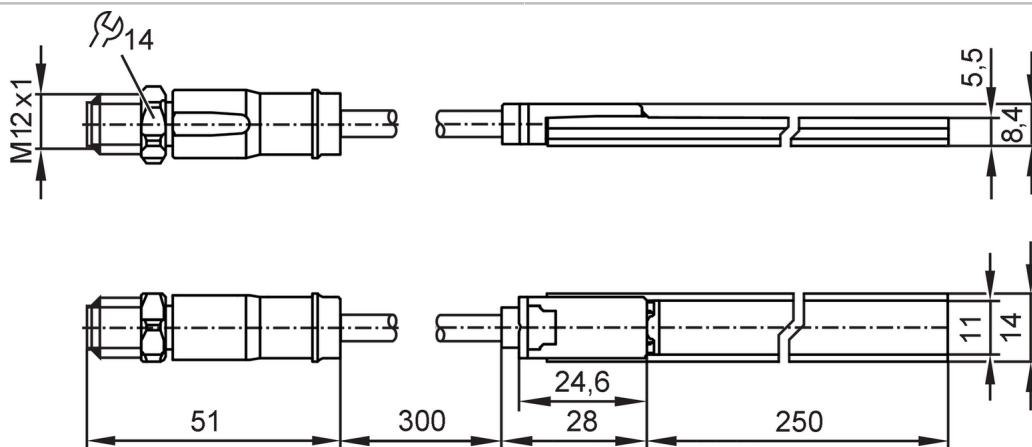
DV1251



LED strip RGBW

LED-Strip-RGBW-transp-250mm-fb

IO-Link-capable with DP1615



Application

Special feature	Free from silicone; gold-plated contacts; Drag chain suitability
Application	signaling machine conditions; sanitary and wet areas in the food industry
Free from silicone	yes

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
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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
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Mechanical data

Weight	[g]	221
Dimensions	[mm]	278 x 14 x 8.4
Material		housing: TPU (urethane)
Molded-body material		PVC
Material nut		stainless steel (1.4404 / 316L)

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Sealing material	EPDM	
Drag chain suitability	yes	
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

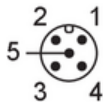
Remarks

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

Electrical connection

Cable: 0.3 m, PVC, orange, Ø 4.9 mm; 5 x 0.34 mm² (42 x Ø 0.1 mm)

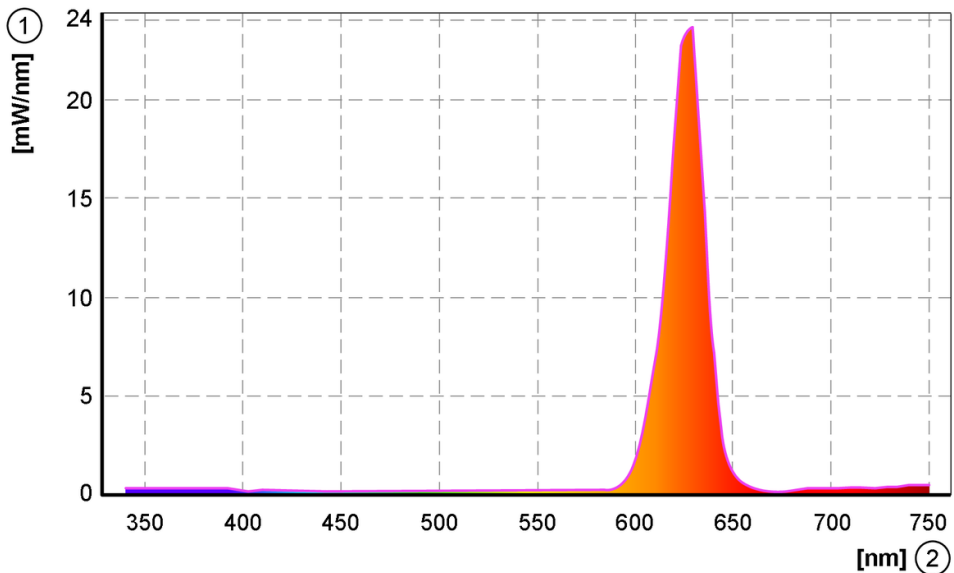
Connector: M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: PVC, orange; Locking: stainless steel (1.4404 / 316L); sealing: EPDM; Tightening torque: 0.6...1.5 Nm



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

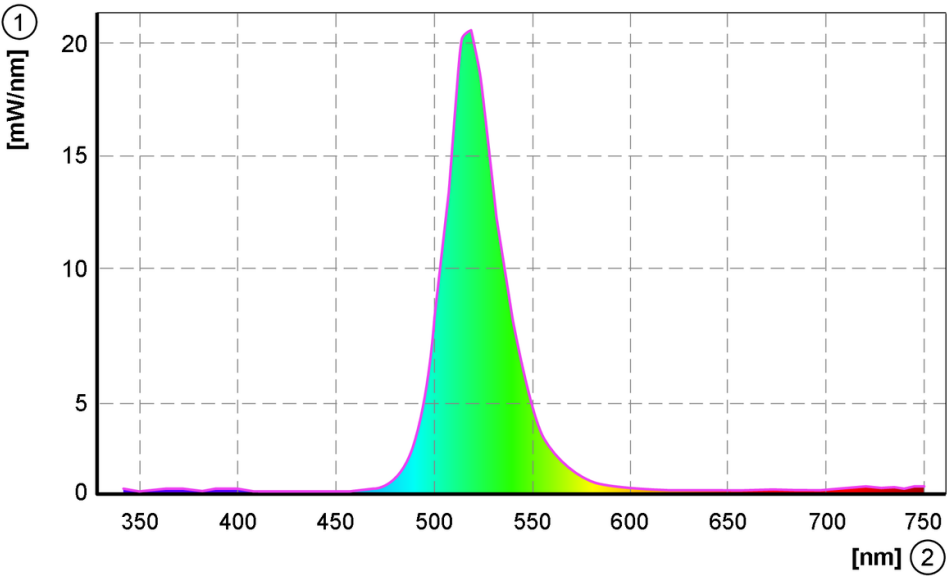
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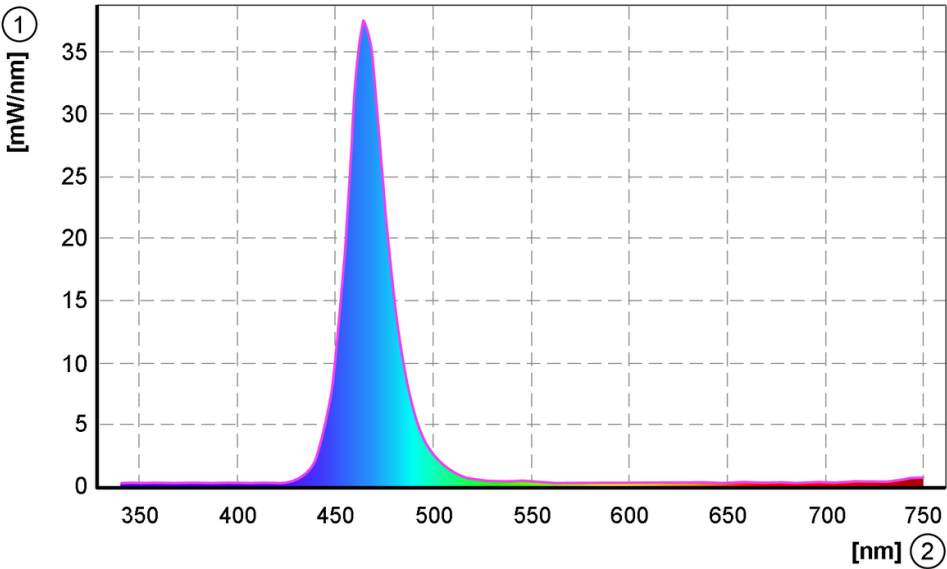
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wavelength of the green light spectrum



wavelength of the blue light spectrum



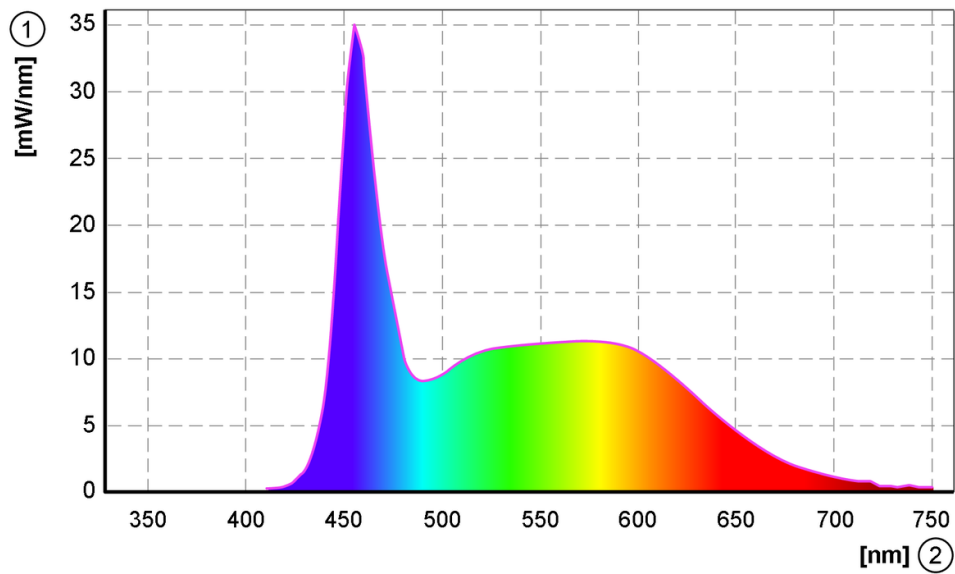
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LED strip RGBW

LED-Strip-RGBW-transp-250mm-fb

wavelength of the white light spectrum



- 1 brightness
- 2 Wave length