

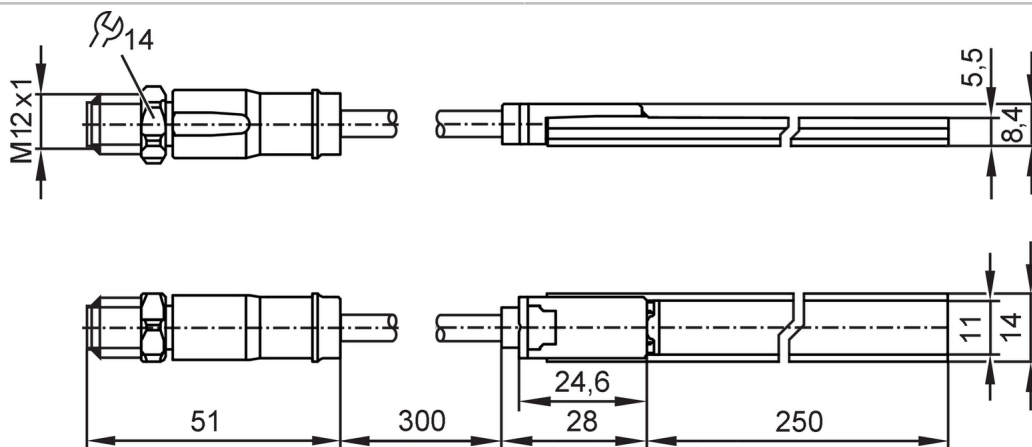
# DV1251



## 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        | signalling machine conditions; hygienic 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) |
| Colour 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]  | 221                           |
| Dimensions            | [mm] | 278 x 14 x 8.4                |
| Materials             |      | housing: TPU                  |
| Moulded-body material |      | PVC                           |
| Material nut          |      | stainless steel (316L/1.4404) |



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|                        |                                 |                                                                                    |
|------------------------|---------------------------------|------------------------------------------------------------------------------------|
| Sealing material       | EPDM                            |                                                                                    |
| Drag chain suitability | yes                             |                                                                                    |
| Drag chain suitability | bending radius for flexible use | 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/s² |
|                        | bending cycles                  | > 1 Mio.                                                                           |
|                        | torsional strain                | ± 180 °/m                                                                          |

Displays / operating elements

|         |                               |                       |
|---------|-------------------------------|-----------------------|
| Display | signalling machine conditions | LED, multi-colour RGB |
|         | mounting light                | LED, white            |

Remarks

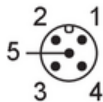
|               |                             |  |
|---------------|-----------------------------|--|
| Notes         | IO-Link-capable with DP1615 |  |
| Pack quantity | 1 pcs.                      |  |

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 (316L/1.4404);

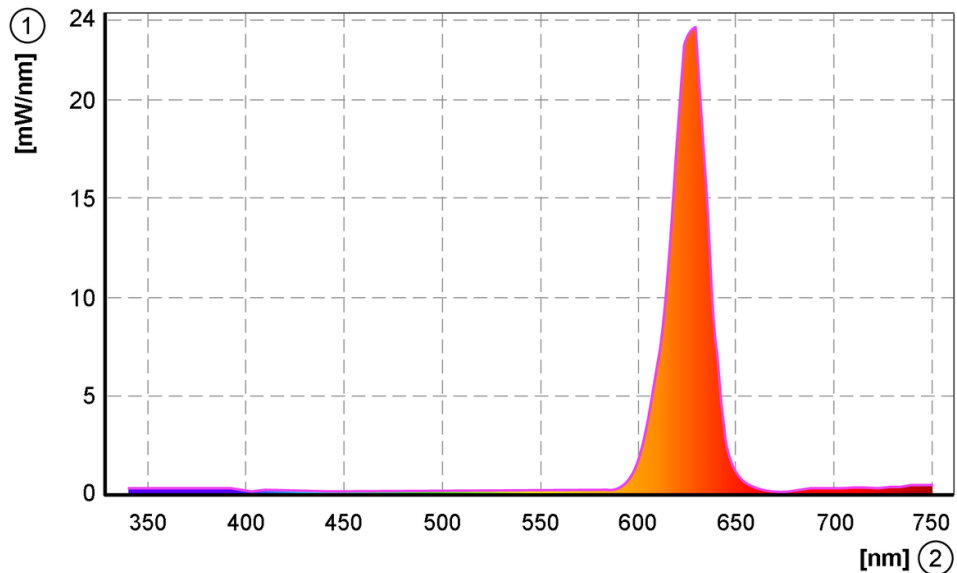
Sealing: EPDM; Tightening torque: 0.6...1.5 Nm



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

Diagrams and graphs

wavelength of the red light spectrum



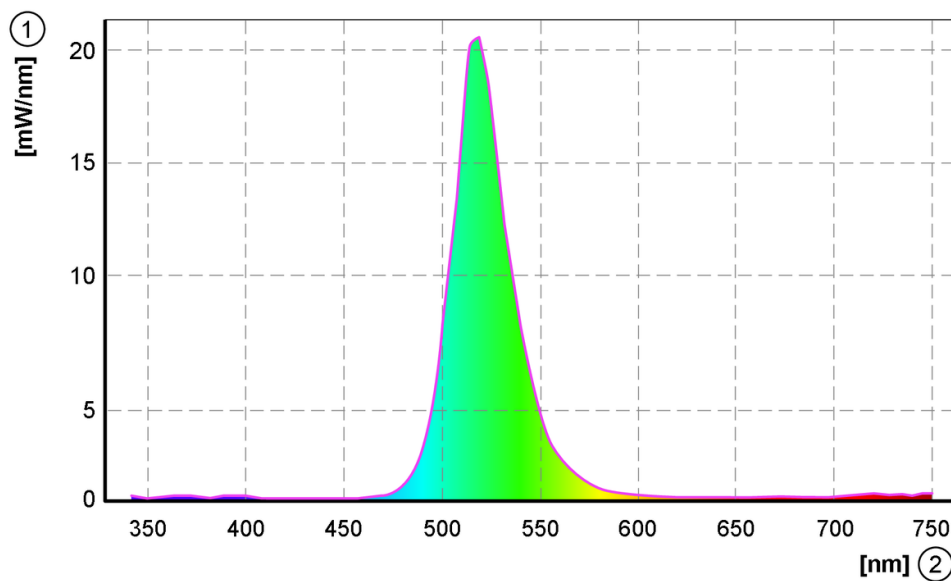
- 1 brightness
- 2 Wave length



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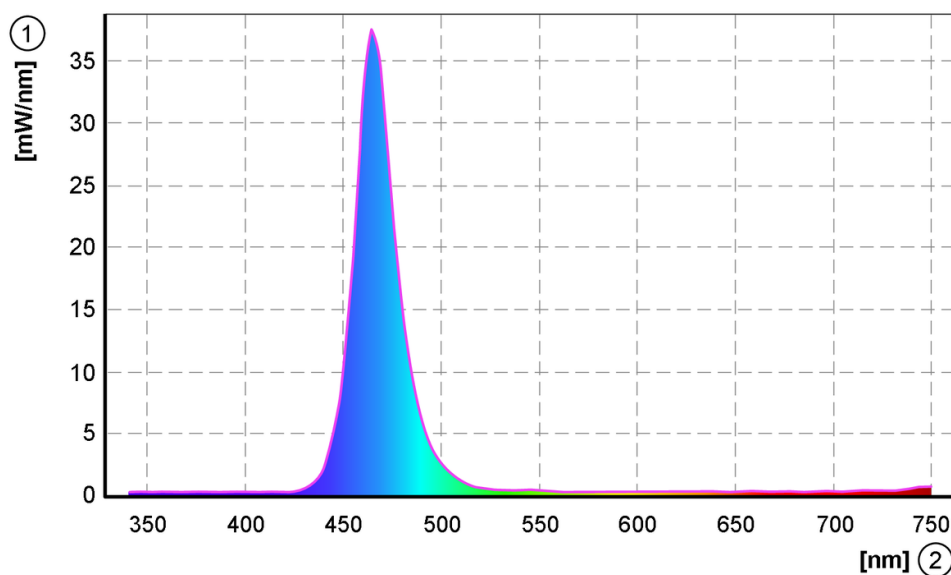
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wavelength of the green light spectrum



- 1 brightness
- 2 Wave length

wavelength of the blue light spectrum



- 1 brightness
- 2 Wave length

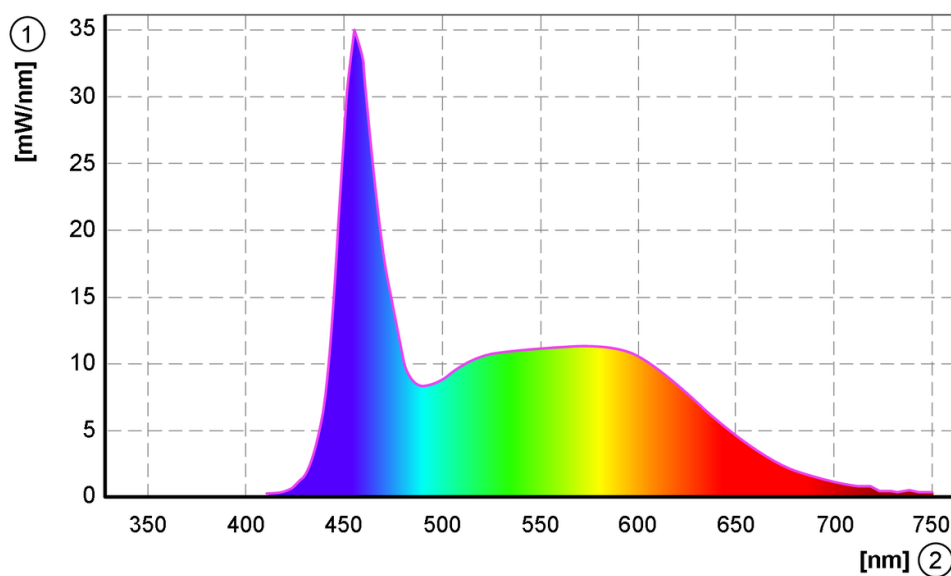
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## LED strip RGBW

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wavelength of the white light  
spectrum



- 1 brightness
- 2 Wave length