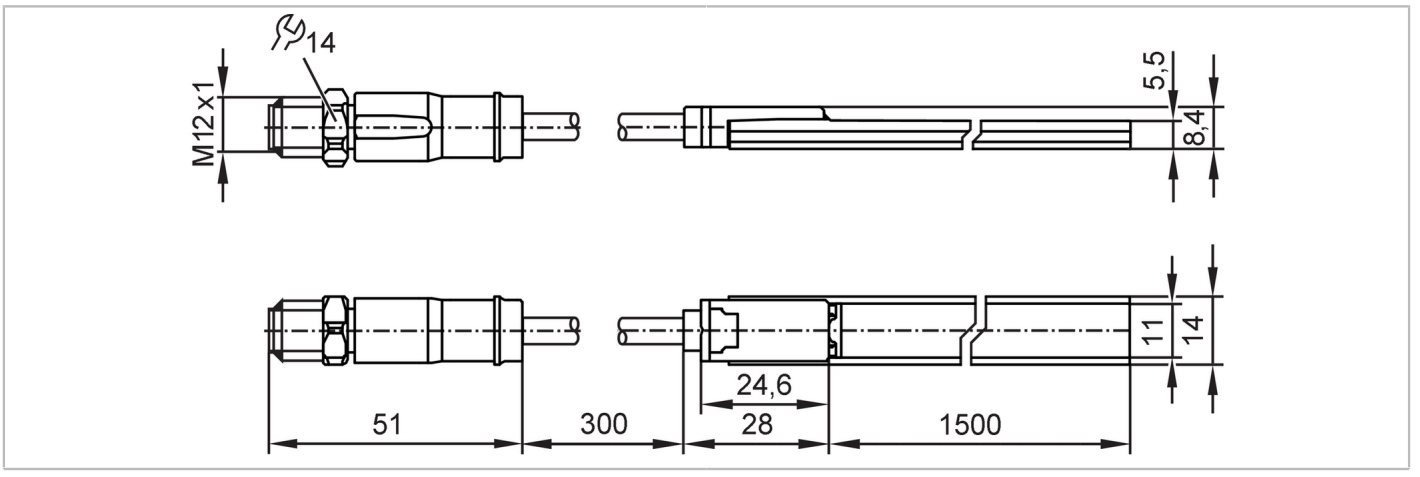
# DV1255

## LED strip RGBW

LED-Strip-RGBW-transp-1500mm-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] | 1200;  (red: 240; green: 240; blue: 255; white: 465) |
| Colour temperature | [K] | 7500 |
| Luminous flux | [lm] | red: 192; green: 546; blue: 144; white: 1158 |
| 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] | 332 |
| Dimensions | [mm] | 1528 x 14 x 8.4 |
| Materials | | housing: TPU |
| Moulded-body material | | PVC |
| Material nut | | stainless steel (316L/1.4404) |

# DV1255

## LED strip RGBW

LED-Strip-RGBW-transp-1500mm-fb

| | | |
|---|---|---|
| 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 |

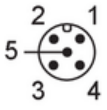
## Remarks

| | |
|---|---|
| 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 )

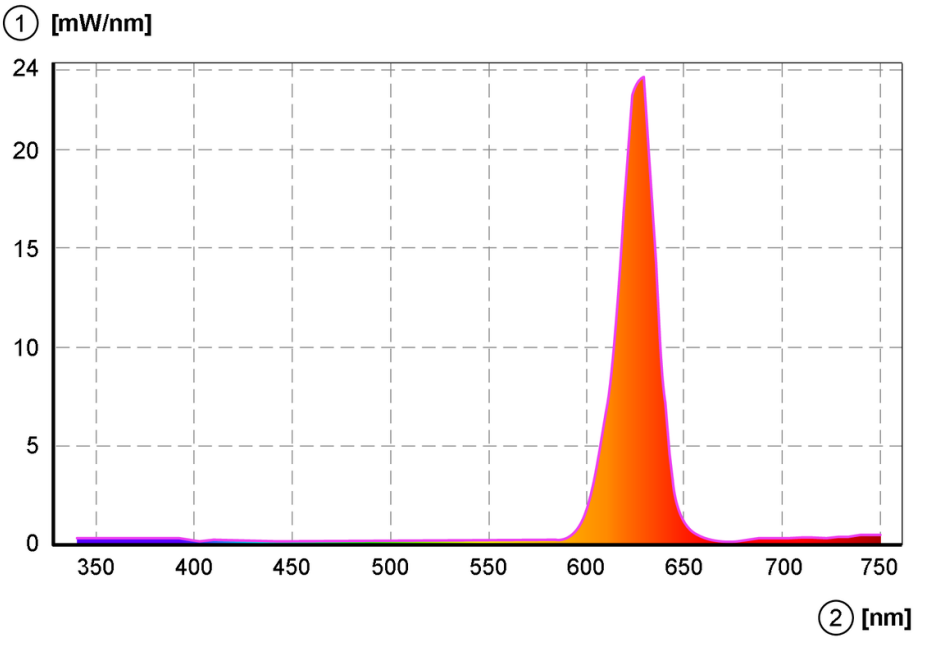
Connector: M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: PVC, orange; Locking: stainless steel (316L/1.4404); Sealing: EPDM; Tightening torque: 0.6...1.5 Nm




| | | |
|---|---|---|
| 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

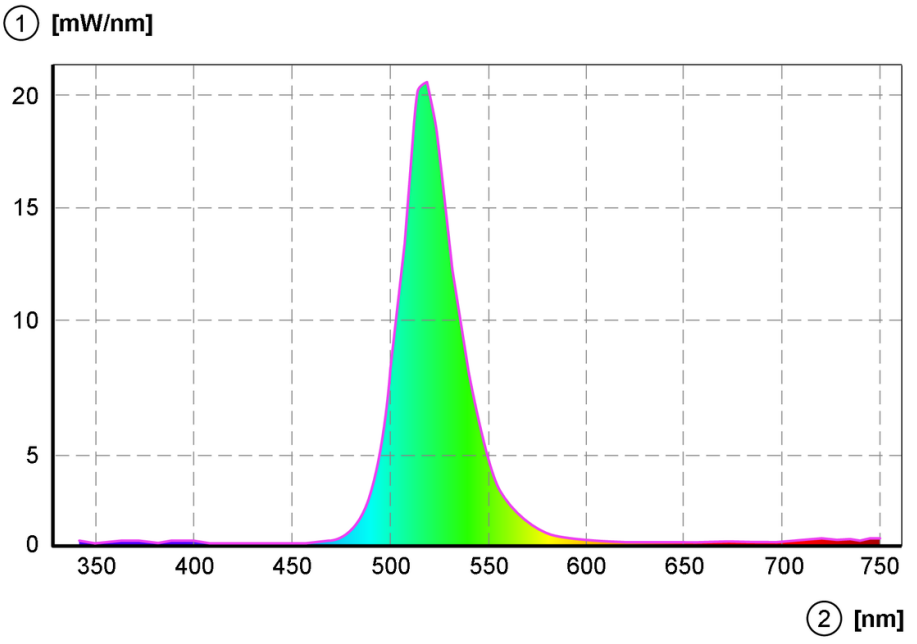
2 Wave length

# DV1255

## LED strip RGBW

**LED-Strip-RGBW-transp-1500mm-fb**

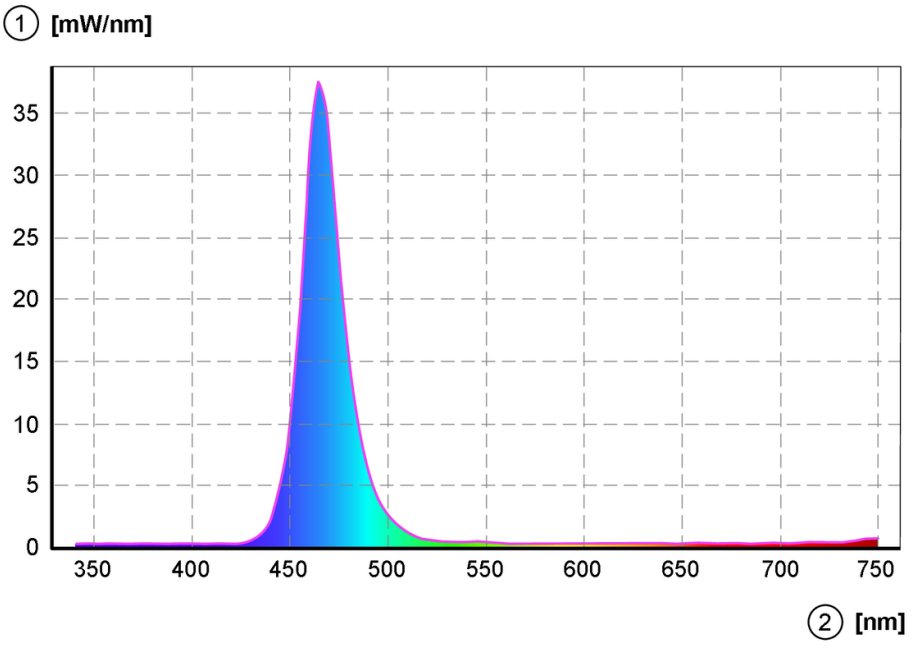
wavelength of the green light spectrum




1 brightness

2 Wave length

wavelength of the blue light spectrum




1 brightness

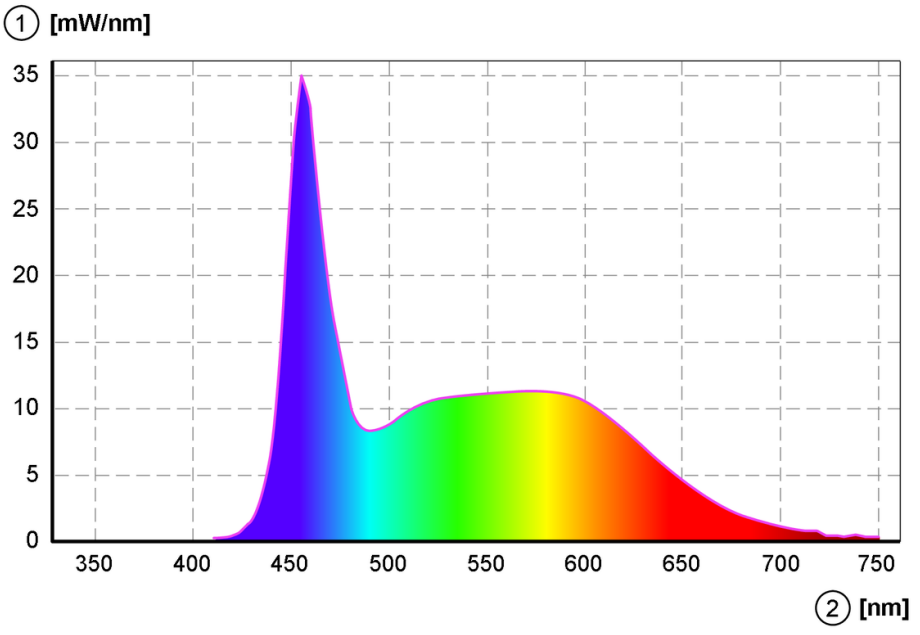
2 Wave length

# DV1255

## LED strip RGBW

**LED-Strip-RGBW-transp-1500mm-fb**

wavelength of the white light spectrum




1 brightness

2 Wave length