

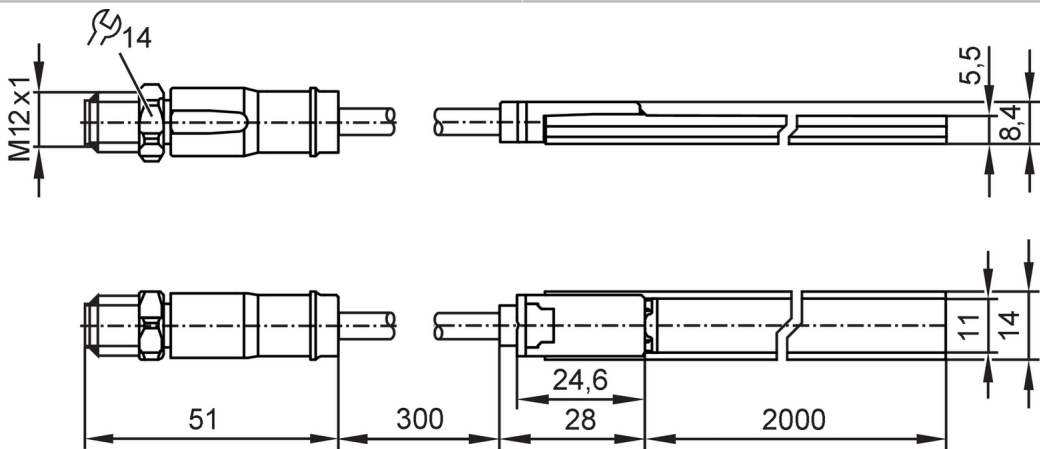
# DV1156



## LED strip RGBW

LED-Strip-RGBW-transp-2000mm-cl

IO-Link-capable with DP1615



| Application                     |                                                            |                                                     |
|---------------------------------|------------------------------------------------------------|-----------------------------------------------------|
| Special feature                 | Halogen-free; Gold-plated contacts; Drag chain suitability |                                                     |
| Application                     | signalling machine conditions                              |                                                     |
| Electrical data                 |                                                            |                                                     |
| Operating voltage               | [V]                                                        | 21.6...26.4 DC                                      |
| Nominal voltage DC              | [V]                                                        | 24; (to SELV/PELV)                                  |
| Max. current consumption        | [mA]                                                       | 1600; (red: 320; green: 320; blue: 340; white: 620) |
| Colour temperature              | [K]                                                        | 7500                                                |
| Luminous flux                   | [lm]                                                       | red: 256; green: 728; blue: 192; white: 1544        |
| 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]                                                        | 374                                                 |
| Dimensions                      | [mm]                                                       | 2028 x 14 x 8.4                                     |
| Materials                       | housing: TPU                                               |                                                     |
| Sealing material                | FKM                                                        |                                                     |
| Drag chain suitability          | yes                                                        |                                                     |

DV1156



LED strip RGBW

LED-Strip-RGBW-transp-2000mm-cl

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

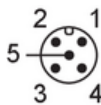
Remarks

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

Electrical connection

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

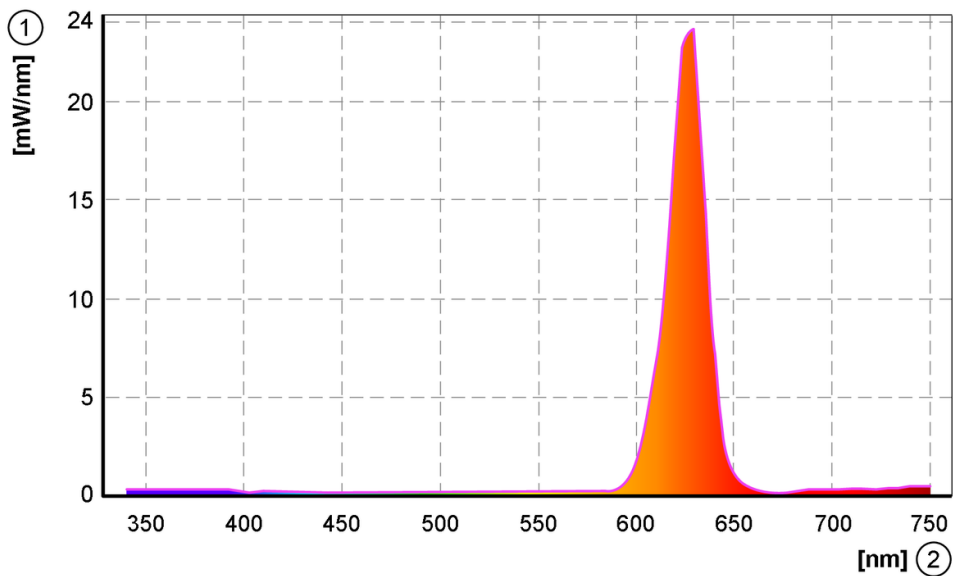
Connector: 1 x M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU, orange; Locking: brass, nickel-plated; Sealing: FKM; Tightening torque: 0.6...1.5 Nm



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

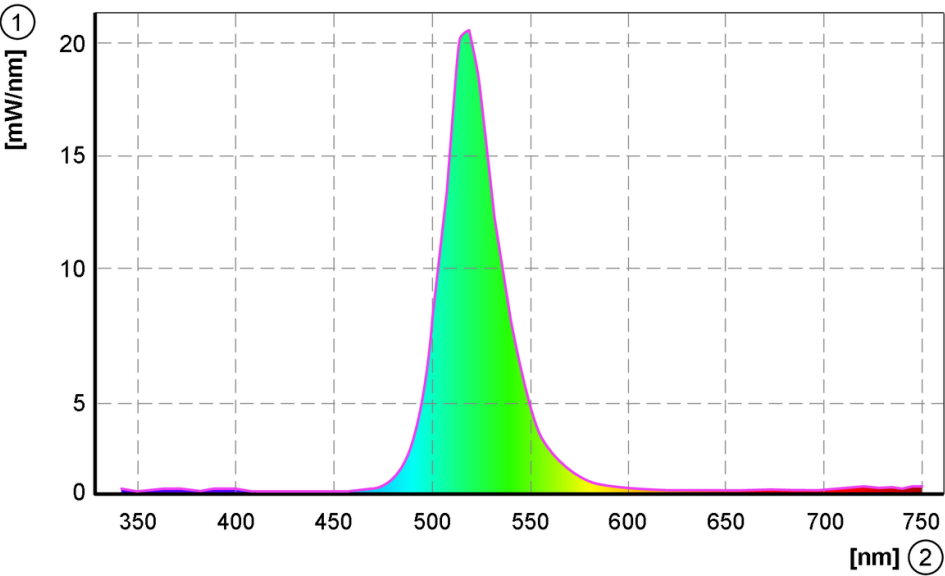
# DV1156



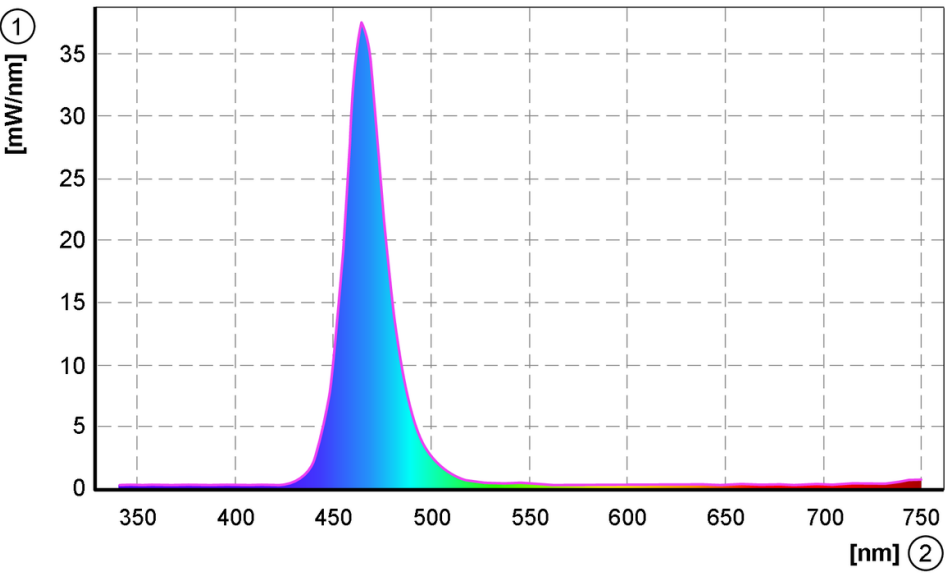
## LED strip RGBW

LED-Strip-RGBW-transp-2000mm-cl

wavelength of the green light spectrum



wavelength of the blue light spectrum



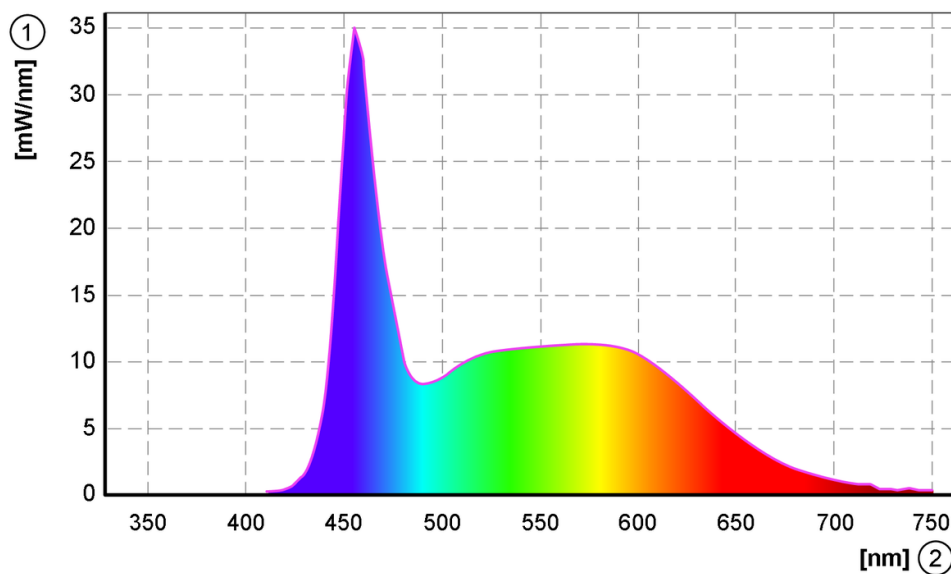
# DV1156



## LED strip RGBW

LED-Strip-RGBW-transp-2000mm-cl

wavelength of the white light  
spectrum



- 1 brightness
- 2 Wave length