

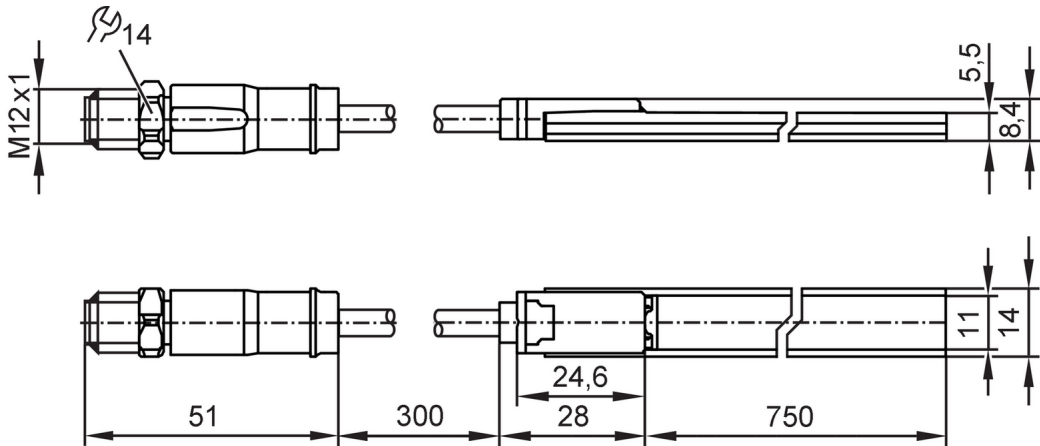
# DV1153



## LED strip RGBW

LED-Strip-RGBW-transp-750mm-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] | 599; (red: 120; green: 120; blue: 127; white: 232) |
| Color temperature        | [K]  | 7500                                               |
| Luminous flux            | [lm] | red: 96; green: 273; blue: 72; white: 579          |
| 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]  | 270                     |
| Dimensions             | [mm] | 778 x 14 x 8.4          |
| Material               |      | housing: TPU (urethane) |
| Sealing material       |      | FKM                     |
| Drag chain suitability |      | yes                     |

# DV1153



## LED strip RGBW

LED-Strip-RGBW-transp-750mm-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 <sup>2</sup> |
|                        | Bending cycles                           | > 1 Mio.                                                                                       |
|                        | Torsional strain                         | ± 180 °/m                                                                                      |

### Displays / operating elements

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

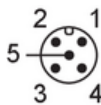
### Remarks

|               |                             |
|---------------|-----------------------------|
| 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 mm<sup>2</sup> (42 x Ø 0.1 mm )

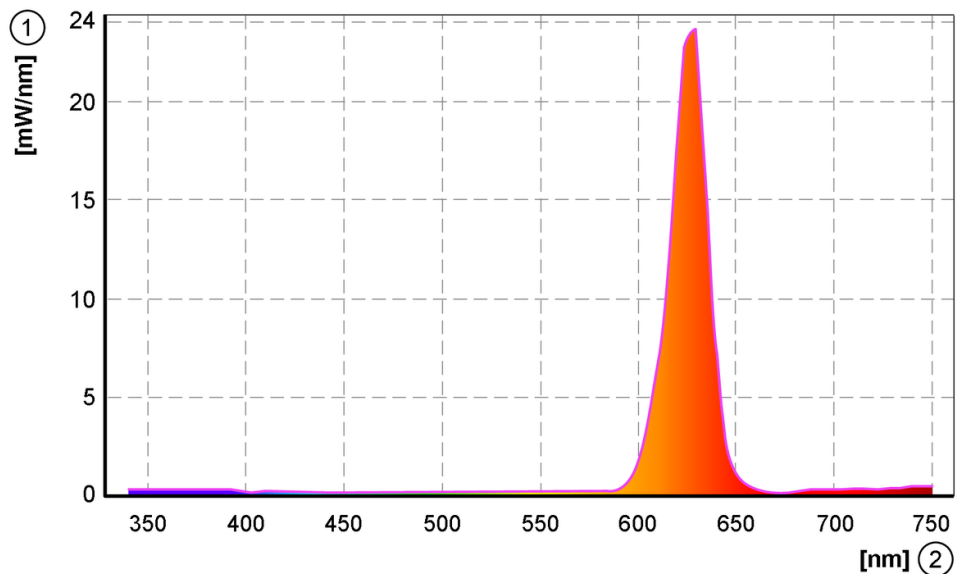
Connector: 1 x M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; sealing: FKM; Tightening torque: 0.6...1.5 Nm



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

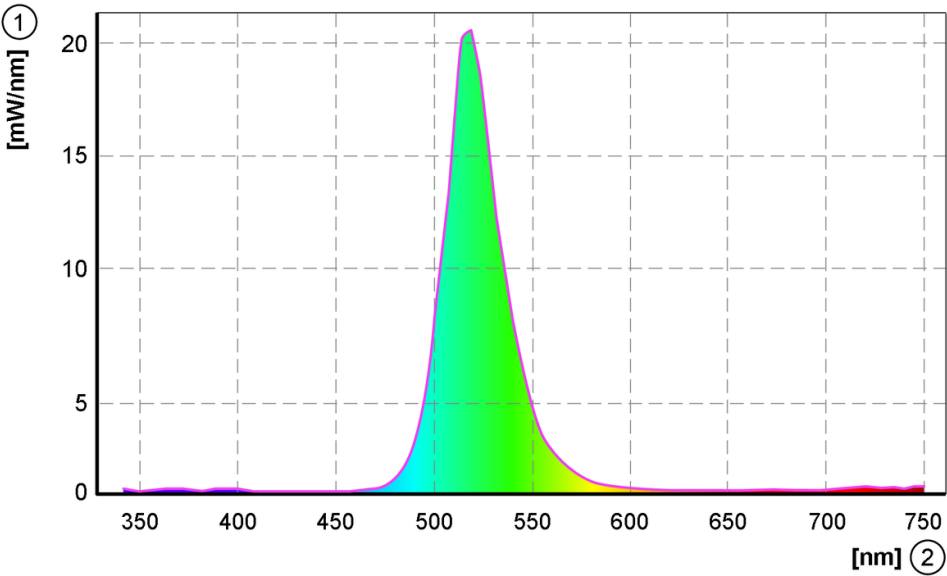
# DV1153



## LED strip RGBW

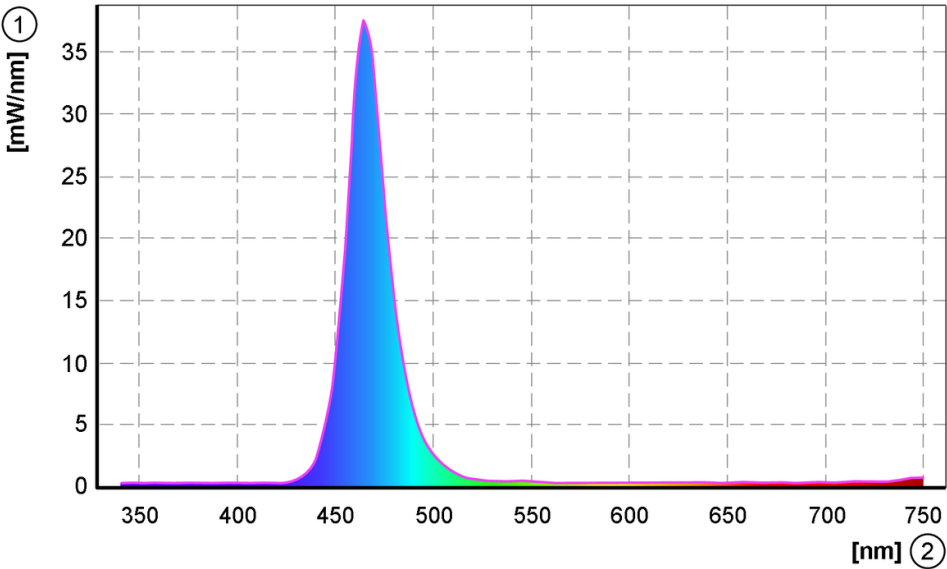
LED-Strip-RGBW-transp-750mm-cl

wavelength of the green light spectrum



- 1 brightness
- 2 Wave length

wavelength of the blue light spectrum



- 1 brightness
- 2 Wave length

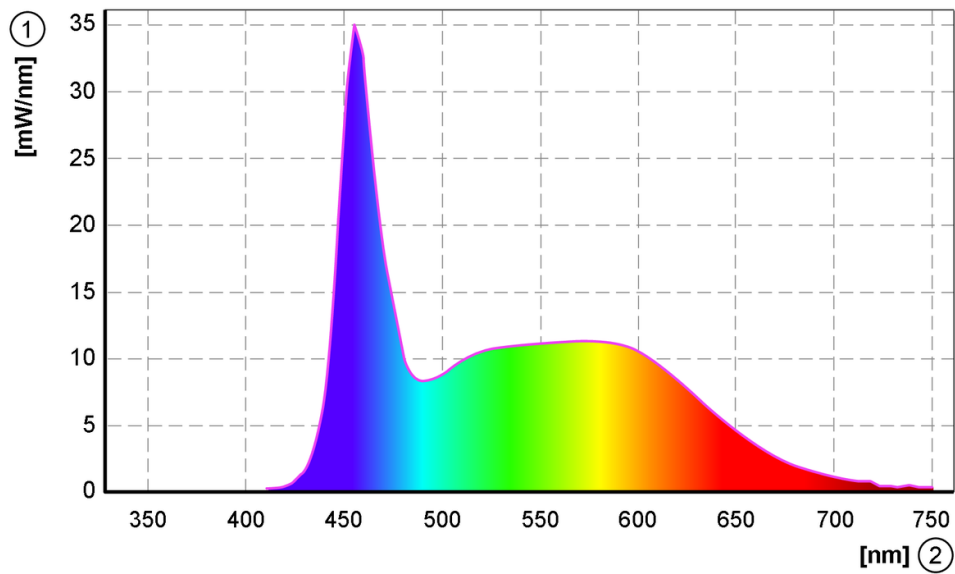
# DV1153



## LED strip RGBW

LED-Strip-RGBW-transp-750mm-cl

wavelength of the white light spectrum



- 1 brightness
- 2 Wave length