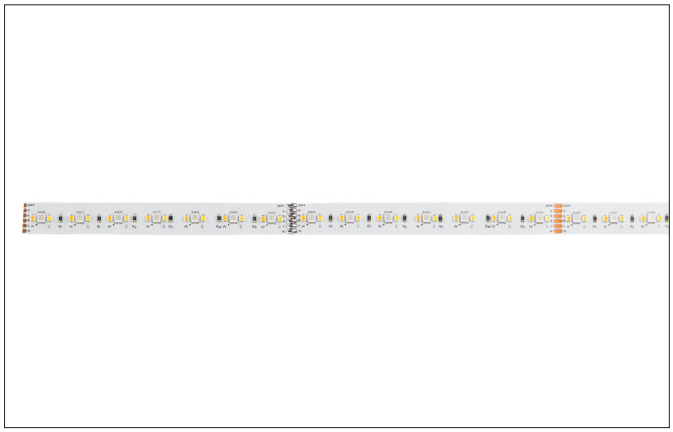
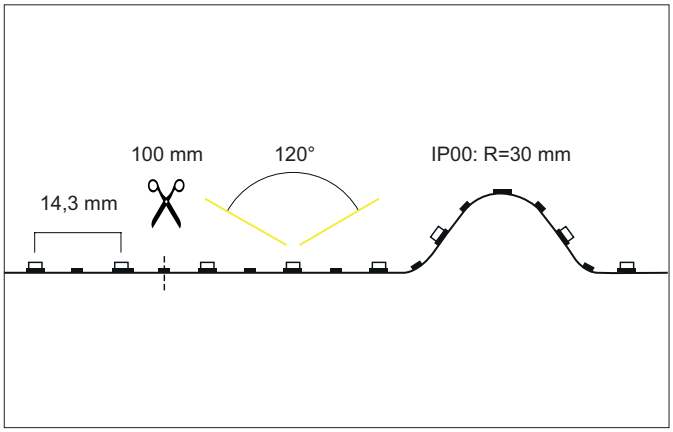
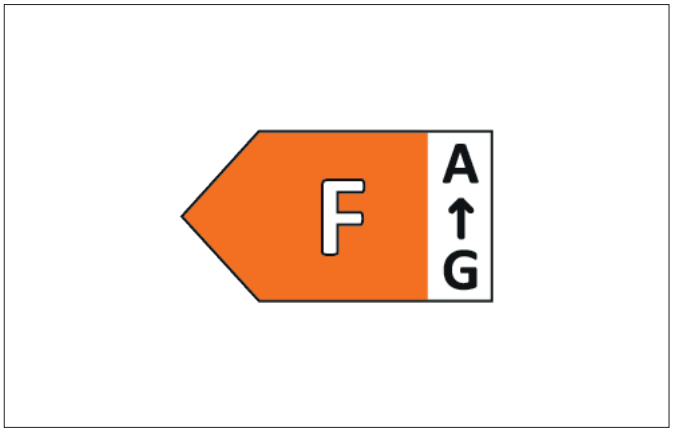
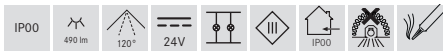
QUALITYFLEX ONE RGB+TunableWhite LED flex board 5 m, 24 W / m, IP00

Article no. 38206002









Tender

RGB+TunableWhite LED flex board 5 m, 24 W / m, IP00, white, Light colour: RGB-TW, 6.500K-2.700K, CRI > 90. LED flex lighting for decorative, technical and efficient lighting of cove lighting, linear applications and backlighting, ambient and general lighting of rooms, architectural applications and for areas where high illumination is required, such as indirect or direct lighting, illuminated ceilings, restaurant lighting and much more. Length: 5000 mm . Lamp power per meter: 24.0 W/m, Luminous flux per meter: 490.0 lm/m, Degree of protection: IP00, Protection class: III, Voltage: 24V DC, Beam angle: 120.0 °, 210 LEDs per meter, Chip distance (Short Pitch) : 14,3mm. For individual application, the LED flex board can be used all 100 mm be cut back. The maximum system length of 5.000 mm must not be exceeded with one feed-in.

Product Benefits

- Dynamic colored light for accentuation and dynamic white light for
  light for lighting applications in an LED flex board.
- LED chip 2216 for TunableWhite and LED chip 2838 for RGB.
- Light colors: red / green / blue / cool white (6,500 Kelvin, CRI>90) / warm white (2,700 Kelvin, CRI>90).
- Suitable for indoor applications (IP00).
- Divisible every 100 mm.
- Compatible with our 5-channel 24 V DC controllers, RGB+TunableWhite.

All technical data as well as, weight and measurements are based on rated values and had been carefully prepared. We reserve the right to make technical changes which are are important in progressing. Product pictures are examples and can vary from the original. Subject to errors.
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QUALITYFLEX ONE RGB+TunableWhite LED flex board 5 m, 24 W / m, IP00

Article no. 38206002

Article data	
Article no.	38206002
GTIN	4255752510833
Series name	QUALITYFLEX ONE
Short description	RGB+TunableWhite LED flex board 5 m, 24 W / m, IP00
Colour	white
Length	5,000 mm
Width	12 mm
Hight	2 mm
Scope of delivery	incl. 1 x assembly instructions, 5 x identification labels
Weight	0.112 kg
Length of the connection line	350 mm
Conformance	CE, UKCA

Lighting technology	
Colour temperature	RGB + TunableWhite
Light colour	RGB-TW
Color Temperature 1	2,700 K
Color Temperature 2	6,500 K
Luminous flux per meter	490 lm/m
Luminous flux	480 - 490 lm/m
Luminous flux 1	480 lm/m
Luminous flux 2	490 lm/m
Luminous flux red	140 lm/m
Luminous flux green	375 lm/m
Luminous flux blue	80 lm/m
System efficiency	20 lm/W
McAdam-Step	McAdam-Step 5
Colour rendering	CRI > 90
Beam angle	120°
Wavelength blue	455-465 nm
Wellenlänge rot	620-630 nm
Wavelength green	520-530 nm
Adjustable color temperature	Infinite control

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Article no. 38206002

Operating technology of the luminaire	
System output	120 W
Lamp power per meter	24 W/m
Voltage type	DC
DC nominal voltage max	24 V
Lamp	LED
Protection class	III
Degree of protection	IP00
Ambient temperature	-10°C up to +40°C
Dimmable	Yes
Wire number	6
Control	Depending on driver
Length of the connection line	350 mm
Cable assignment	brown = + white = - cold white blue = - blue red = - red green = - green yellow = - warm white
Design of the connecting cable	On both sides
Bulb change possible	No
Rated life time L70/B50 at 25 °C	52,000 h
Rated life L80/B10 at 25 °C	30,000 h
Energy efficiency class	F

Operating technology of QualityFlex	
Power per meter	24 W/m
Short Pitch	14.3 mm
Number of lamps per meter	210 Qty
Length of individual sections	100 mm
Smallest bend radius	30 mm
Control	Negative (6-core)
Length	5,000 mm
Maximum module length	5,000 mm
Circuit type	Parallel conduction
LED Type	2216 LED

Packing data	
Gross weight	0.165 kg
Length of packaging	220 mm
Packaging width	240 mm
Packaging hight	15 mm
Disposal at end of life	This product must not be disposed of with household waste. You are obliged, to dispose of such electrical waste separately. By disposing of electrical waste and other old or defective electronics separately, you support recycling or other forms of re-use. In that way you help to take care and to avoid that harmful substances get into the environment.

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Compatible Driver						
Article no.	min.	max.				
17206000						
17207000						
17214000						
17223000						
17224000						
17225000						
17226000						
17227000						
17228000						
17240000	1 W	20 W	on/off	150 mm	40 mm	30 mm
17241000	1 W	40 W	on/off	210 mm	40 mm	30 mm
17242000	1 W	60 W	on/off	250 mm	40 mm	30 mm
17243000	1 W	120 W	on/off	300 mm	40 mm	30 mm
17244000	1 W	150 W	on/off	310 mm	40 mm	30 mm
17260000						

Compatible Conroller						
Article no.	Power min.	Power max.	Control	Length	Width	Hight
18157000	1 W	240 W	ZigBee	145 mm	46.5 mm	16 mm
18190000	120 W	240 W	Wireless technology control	170 mm	59 mm	29 mm

Compatible Profiles				
Short description				
Recessed profile 53654070				
LED recessed profile 53759070				
Plaster profile 53655070				
Plaster profile 53656070				
Surface-mounted profile 53602070				
Surface-mounted profile 53603070				
LED surface-mounted profile 53606070				
Surface-mounted profile 53607080				
Surface-mounted corner profile 53702070				
Surface-mounted corner profile 53385261				
Wall surface-mounted profile 53754070				
Wall surface-mounted profile 53751260				

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