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## TENDER TEXT

BL ECO +2000 LED strip 24 VDC 18,1W/m IP20 CRI>80 2700K WHITE 5m LED module BLECP 2000 >80 Article 171216 Linear LED light strip on a flexible circuit board. Installation using self-adhesive heat-conducting adhesive tape. Dimmable using BILTON LEDON Technology LED dimmer. Suitable for ambient temperatures from -20 ... $+45^{\circ} \mathrm{C}$ at a service life of 60000 h . The BLECP $2000>80$ LED-strip has a luminous flux of 1840 lm at 18.1 W , resulting in an efficiency of $102 \mathrm{~lm} / \mathrm{W}$. At a nominal voltage of 24 V DC on the connection, a maximum module length of 8000.0 mm can be achieved. In terms of lighting, the module has a colour temperature of 2700 K and a beam angle of $120^{\circ}$. All this with a colour rendering index of $>80$ and a Binning selection based on SDCM3 (MacAdams). The light strip can be separated every 50.0 mm , resulting in a LED distance of 8.30 mm . Degree of protection IP20 Dimension $(\mathrm{L} \times \mathrm{W} \times \mathrm{H}): 5000.0 \mathrm{~mm} \times 8.0 \mathrm{~mm} \times 1.2 \mathrm{~mm}$

## TOP-FEATURES

//__ Long line lengths and better stability due to double layer
//__ Guaranteed LED properties with guaranteed
patent protection
// __ Current regulation via transistors
//_ To create a homogeneous light image, the band is populated with \#\#\#attribute.6040\#\#\# LEDs per meter


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## MECHANICAL DATA

| Net width [mm] | 8.0 |
| :--- | :--- |
| Net height $[\mathrm{mm}]$ | 1.6 |
| Net length $[\mathrm{mm}]$ | 1000.0 |
| Degree of protection (IP) | IP20 |
| Colour | White |
| Net weight $[\mathrm{g}]$ | 9.8 |
| Distance [mm] | 8.30 |
| Distance relating to | LED to LED |
| Length of particular segments [mm] | 50.0 |
|  |  |
| ELECTRICAL DATA |  |
| Overall efficiency [lm/W] | 102 |
| Lamp power per meter [W] | 18.1 |
| Lamp voltage [V] | 24 |
| Voltage type | DC |
| Protection class | None |

## LIGHT TECHNICAL DATA

Luminous flux per meter [lm] 1840

Beam angle [${ }^{\circ}$ ] 120
Colour consistency (McAdam ellipse) SDCM3
Colour rendering index CRI $>80$
Colour temperature [K] 2700
Energy efficiency class provided exchangeable built-in lamp
F

## CONNECTION

Number of poles 2
$\begin{array}{ll}\text { Conductor cross section }\left[\mathrm{mm}^{2}\right] & 0.50\end{array}$
Max. length [mm] 8000.0

TEMPERATURE TECHNICAL DATA

| Rated life time L80/B50 at $25{ }^{\circ} \mathrm{C}[\mathrm{h}]$ | 60000 |
| :--- | :--- |
| Ambient temperature during operating $\left[{ }^{\circ} \mathrm{C}\right]$ | $-20 \ldots+45$ |
| Ambient/storage temperature $\left[{ }^{\circ} \mathrm{C}\right]$ | $-5 \ldots+55$ |
| Operation temperature at $\mathrm{Tc}\left[{ }^{\circ} \mathrm{C}\right]$ | $-5 \ldots+60$ |

PACKAGING INFORMATION

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| Customs tariff number | 94054239 |
| :--- | :--- |
| Length $[\mathrm{mm}]$ | 5000.0 |
| Gross weight $[\mathrm{g}]$ | 35.0 |
| Gross height $[\mathrm{mm}]$ | 18.0 |
| Gross width $[\mathrm{mm}]$ | 200.0 |
| Gross length $[\mathrm{mm}]$ | 200.0 |
| State of origin | CN |

* Information about the electrical and lighting technology measurements: Performance data measured after 1 min. at $25^{\circ} \mathrm{C}$ ambient temperature and a light colour of $4,000 \mathrm{~K}$ (or RGB). These values can have a tolerance value of $-/+15 \%$. Module length at 24 V input voltage at the module and luminous flux drop $10 \%$ over the specified length

SAFETY INFORMATION: Read the safety and installation instructions carefully and completely before commissioning. The operating instructions can be found at: www.biltongroup.com

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