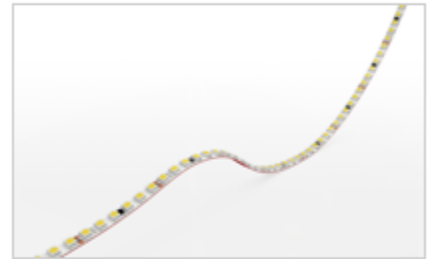




## PRODUCT SPECIFICATION

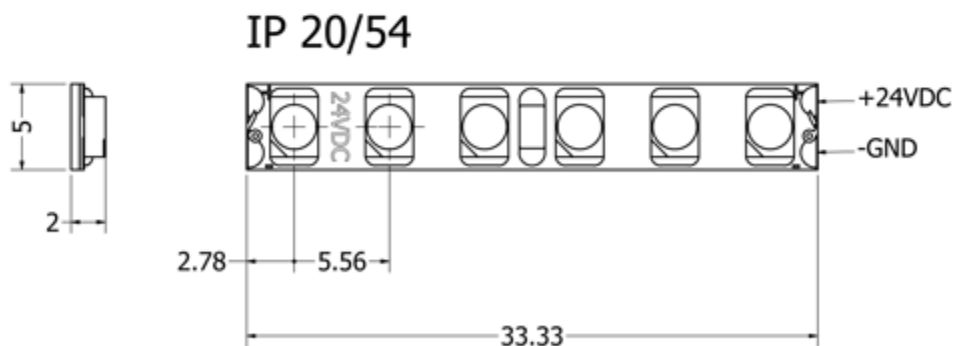
|                     |  |
|---------------------|--|
| Dimension           | L5000/W5mm                                   |
| PCB increment       | Power connection and cut point every 33.33mm |
| LED pitch           | 5.60mm                                       |
| Chip                | Epistar                                      |
| Beam angle          | 120°   |
| Colours             | White  |
| Bin/step            | 3 Step MacAdam ellipse                       |
| CRI                 | 94.6   |
| Lifetime            | 50000hrs @45°                                |
| Operating temp.     | 0 - 50°C                                     |
| IP rating           | IP20/54                                      |
| Mounting            | 3M VHB backing tape                          |
| Minimum bend radius | 10mm   |
| Connection          | Hardwire tails or male/female connectors     |
| Control             | 0-10V/1-10V/DMX/DALI                         |



## PERFORMANCE DATA (for 1000mm)

|                   |          |
|-------------------|----------|
| Power consumption | 16.68W   |
| Supply voltage    | 24V DC   |
| Supply current    | 0.695A   |
| Luminous flux     | 1080lm/M |

## TECHNICAL DRAWING



## PRODUCT DETAILS

|   |   |
|---|---|
| Product name                              | ECO FLEX 180 SL                         |
| Stated output                             | 1080lm per metre                        |
| Description                               | Flexible LED Tape, 4000K, 24V, 16.68W/m |
| Quantity/length of product tested         | 1 x 1000mm                              |
| Bin tolerance/#. MacAdams ellipse of chip | 3 Step MacAdam ellipse                  |

## ELECTRICAL CHARACTERISTICS

|                       |       |
|-----------------------|-------|
| Input Voltage (V DC)  | 24    |
| Input power (W DC)    | 16.68 |
| Input Current (mA DC) | 695mA |

## LIGHT OUTPUT

|                             |       |
|-----------------------------|-------|
| Total light output (Lumens) | 1080  |
| Luminaire efficacy (lm/W)   | 64.75 |
| Beam angle                  | 120°  |

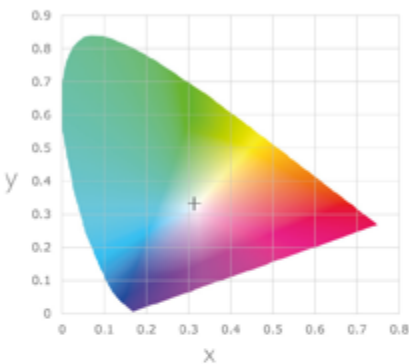
## COLOUR CHARACTERISTICS

|   |                |
|---|----------------|
| Correlated colour temperature (CCT)       | 4038K          |
| Colour rendering index (CRI, Ra)          | 94.6           |
| Chromaticity coordinates (CIE 1931 - x,y) | 0.3779, 0.3726 |

## COLOUR RENDERING INDEX

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
| 96 | 97 | 94 | 94 | 94 | 92 | 97 | 94 | 84 | 89  | 93  | 70  | 96  | 96  | 95  |

## CHROMATICITY DIAGRAM



## SPECTRAL RADIANT FLUX VERSUS WAVELENGTH

