



High Power G-LED
1 x 12 Segment

01/20 / V01 / OS / bolb/1x12_array_s6060_uvc_smd_led_module

**PLEASE OBSERVE UVC SAFETY PRECAUTIONS
PROTECT YOUR EYS AND SKIN FROM UVC EXPOSURE
ALL OPERATORS, OBSERVERS AND NEARBY PERSONNEL MUST BE PROTECTED**



**BOLB INC IS NOT RESPONSIBLE FOR ANY HARM CAUSED BY
NEGLIGENCE IN SAFTY BY THE USERS**

1 x 12 Segment Arrangement

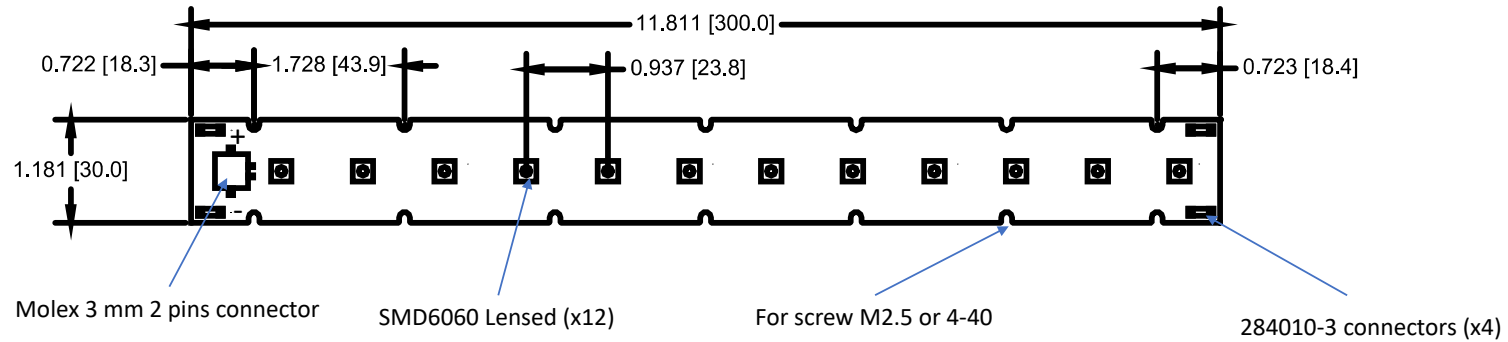
- Wall Paper / Art Work if hung vertically
- Printing Plate / Sheets if hung horizontally
- Unfurling Mechanisms such as ZollStock
- ✓ Lightweight, low profile, non-intrusive



1 x 12 Segment Mechanical

All sizes in inches [mm]

Mounting on heat sink is highly recommended.

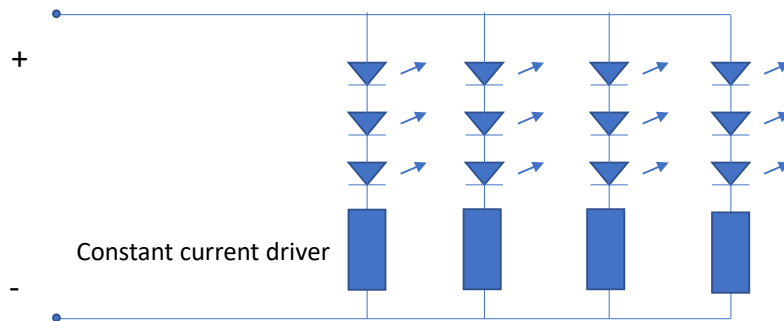


1 x 12 Segment Electrical

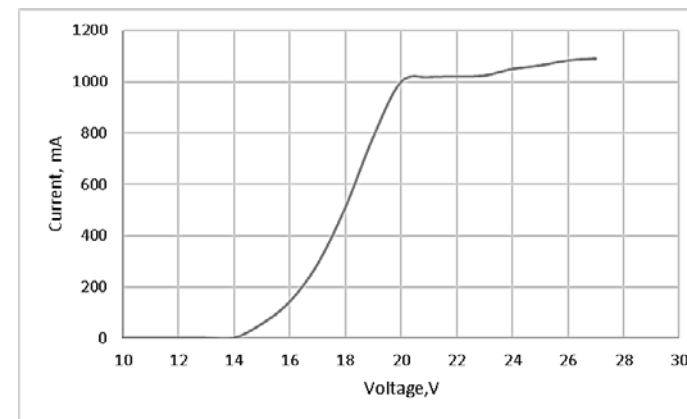
Electrical connection - 3S4P with serial connected current stabilization driver (x4) on each branch

Power supply - 24V DC , current set 0.8-1.4A (optional, basic set 1.0A)

Electrical scheme



I-V data for 1 x 12 Segment



1 x 12 Segment Performance

25°C ambient and active cooling

| Parameter | Symbol | Unit | Min. 100mA/LED | Typ. 250mA/LED | Max 350mA/LED |
|---|--------------------------|-----------|-------------------|-------------------|------------------|
| Peak Wavelength | λ_p | nm | 255 | 270 | 280 |
| Radiant Flux | ϕ_e | W_{opt} | 0.5 | 1.2 | 1.8 |
| | | | | | |
| Forward Voltage (LED + Driver electronics) | VF | V | 22 | 24 | 28 |
| Forward Current | IF | A | 0.4* | 1.0* | 1.4* |
| Spectrum Half Width | $\Delta\lambda$ | nm | - | 11 | - |
| View Angle | 2 $\theta_{\frac{1}{2}}$ | ° | - | 150 | - |
| Thermal Resistance | RJ-b | °C/W | - | <10 (TBD) | - |

*set by BOLB (optional)

Illumination Pattern of Segment

1.2W flux power (no reflector)

