



**PRODUCT NAME** Dwarf Star 1 Chip LED Backlight Module

**SKU**  
 Amber: [MD-BW-ES1-Y](#)  
 Red: [MD-BW-ES1-R](#)  
 Green: [MD-BW-ES1-G](#)  
 Blue: [MD-BW-ES1-B](#)

**DESCRIPTION** This LED backlight module is the smallest module available on the market. A single 5050 SMD LED chip is housed in a plastic ABS shell with a clear epoxy coating to provide limited water-resistance against moisture. 22AWG DC stranded wire is used between each module in a series. Each module requires 0.24W 12VDC constant voltage power. The spacing of each module is 4.20" from the center of a module to center of the next module. A max serial connection of 150 modules is possible with this product. 3M™ mounting tape is on the back of these modules to allow for a near-permanent and secure mounting solution for your LED project. These modules carry both CE and RoHS approval. Water-resistant only, not submersible and Non-UV proof.

**DIMENSIONS** 0.8"L x 0.5"W x 0.16"H (20 X 12 X 4mm)

**SUPPLY VOLTAGE** 12VDC Constant Voltage @ 20mA

**MAX CONNECTION** 50 Modules maximum serial connection

**MODULE SPACING** 4.20" center to center (106.6 mm center to center)

**OUTPUT POWER** 0.24W per module

**CERTIFICATIONS** CE, RoHS

**WARRANTY** 1 year manufacturers

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