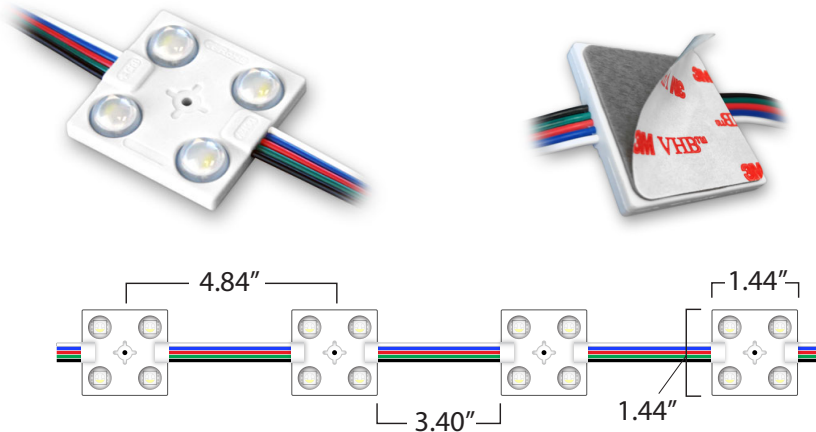


## SPECIFICATIONS

## ES4 RGBW LED Module 160° Lens - 12VDC



|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PRODUCT NAME   | ES4 RGBW LED Module 160° Lens - 12VDC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SKU            | MD-HT-ES4-RGBW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PRODUCT URL    | <a href="#">Click Here</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| DESCRIPTION    | <p>Our 4 Chip RGBW LED Modules are created from a lightweight ABS plastic injected molding with a PC (Perspective Control) lens to widen the beam angle to 160 degrees. Each module has four RGBW 4in1 LED chips mounted to an internal circuit board with lead wires attached from each end. These modules can be cut or connected from either end of the wire leads. Each bundle of modules comes with a string of 20 pieces containing 3.4" of lead wire between each module. The wider beam angle creates more light dispersion in shallow light boxes and channel letters. These 4 color lighting modules require at least 1.44W of 12VDC constant voltage power per module as well as a color controller to operate. To light all 20 pieces you would need a minimum of 28.8 watts of 12VDC power. No more than 20 modules should be powered in a serial connection, 40 modules can be powered in a looped circuit. Please use parallel connections for larger lighting runs. IP66 rating is totally dust tight with protection against direct high pressure water jets (non-submersible).</p> |
| DIMENSIONS     | 1.44" x 1.44" x 0.33"H (36.5 x 36.5 x 8.4mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SUPPLY VOLTAGE | 12VDC Constant Voltage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| LED ATTRIBUTES | Four 5050 4in1 RGBW SMD LEDs per module in ABS Plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MODULE SPACING | 4.84" center to center (123mm center to center)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MODULE COUNT   | 20 per 7.75'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| MAX CONNECTION | 20 modules serial / 40 modules powered at both ends                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| LIFETIME       | 50,000 Hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| OUTPUT POWER   | 1.44W per module                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BEAM ANGLE     | 160°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| CERTIFICATIONS | CE, RoHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| WARRANTY       | 1 year manufacturers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

These specification are subject to change without notice. This specification information is from the manufacturer of this product. Ecolocity LED is not the manufacturer of this product.  
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