

QR-146 A1 Longman Optic Parco R500 Specification Sheet

| | | | | | |
|------------------------------------|-----------------------|--|---|--|--|
| Project Name | |  | Fixture Size | | |
| CAD Icon/Applied position | | |  | | |
| Layout Quantity | | | | | |
| Product Brand | Longman | | | | |
| Model Name | Parco R500 | | | | |
| Series Name | P715-12-12-Full RGBAW | | | | |
| Luminaire Efficiency | 55 (lm/W) | | | | |
| Standard deviation of Chromaticity | SDC<0.005 | | | | |

Specification Sheet

Electrical/Connections/Typical Power and Current

| | | | | | |
|----------------|--|-----------------------------------|---|----------------------|--|
| Input Voltage | <input type="checkbox"/> 100-240VAC | Rated Power | 120W | Typical Power | 108W/220V |
| Connector Type | <input type="checkbox"/> IP67 Male/Female <input type="checkbox"/> IP65 Blue/Yellow | SMPS Brand | <input type="checkbox"/> Chico | Output Voltage | <input type="checkbox"/> DC 24V |
| Power Factor | <input type="checkbox"/> PF>0.7 | Flash Rate Endurance Full Load | <input type="checkbox"/> >20Hz Full load/void load flash | Soldering technology | <input type="checkbox"/> Reflow Soldering |

Optics Dynamic Effects & Photometric Data

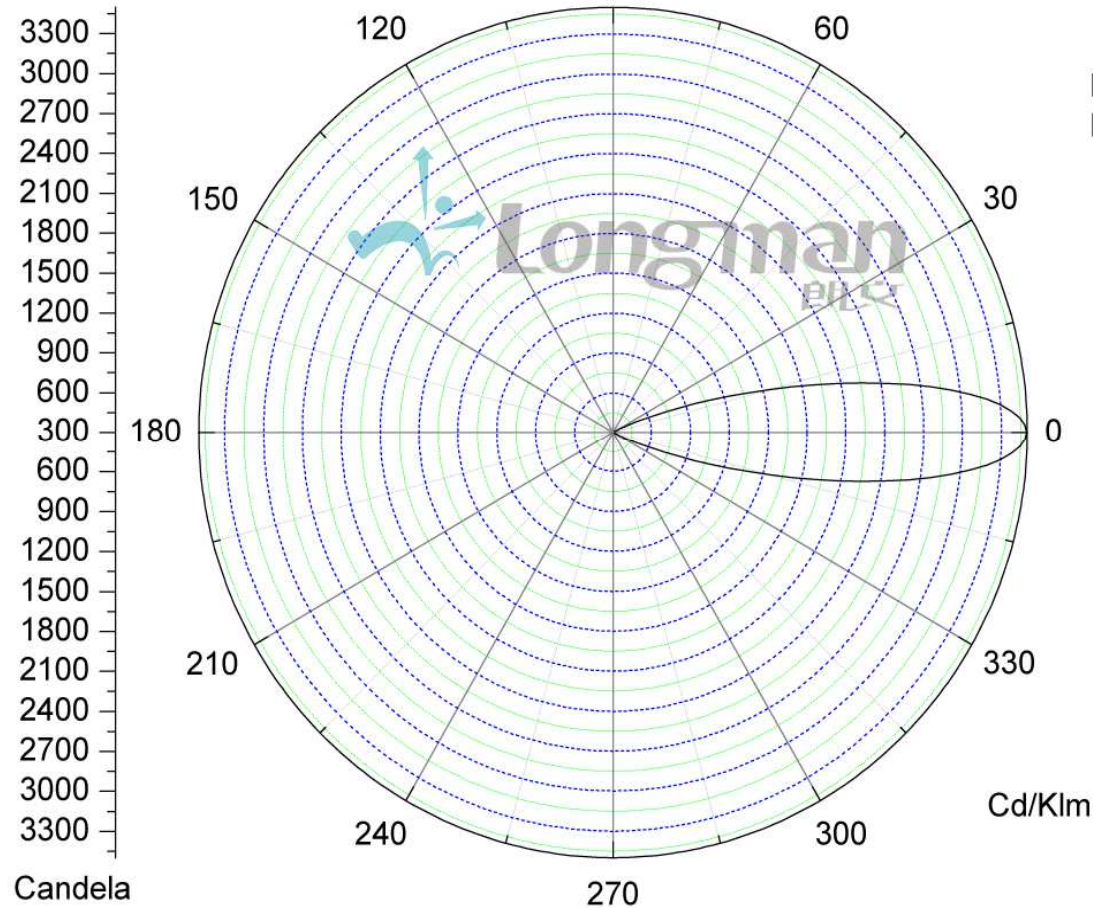
| | | | | | |
|-------------------|---|----------|----------------------------------|--------------------|-------------------|
| Light Performance | <input type="checkbox"/> wide beam wash | LED Lamp | <input type="checkbox"/> Epistar | LED Type and Power | 12W FULL RGBAW |
|-------------------|---|----------|----------------------------------|--------------------|-------------------|

| | | | | | |
|--|---|----------------------------------|---|---|---|
| Drive current for each Chip | 500 (mA) | Peak Intensity | 20700 (Cd) | Adjusted shine angle | Pan 360 /Tilt270 |
| Red light (nm) | 625-628nm | Green light (nm) | 524-527nm | Bule light (nm) | 465-470nm |
| Amber light (nm) | 587-590nm | White Color Tempreture (K) | <input type="checkbox"/> 6000K | Color Rendering | Ra>90 R9>50 |
| Total Light Output (Lumens) | 5940 | 10%Field Angle/ 50%Beam angle | <input type="checkbox"/> 50.6/26.6 | output Lumens within 10% Intensity field angle. | <input type="checkbox"/> >90% |
| Typical Light distribution Curve | | | | | |
| 50.6Field angle <input type="checkbox"/> Light Distribution of Honeycomb Lens LMTXL43HY Upon Full RGBAW 5in1 LED.pdf | | | | | |
| Moto/heat sink/Thermal | | | | | |
| Pan rotate Degree | Void | Tilt rotate Degree | Void | Other Rotate Feature | Void |
| Thermal protection | <input type="checkbox"/> NTC over heat protection | Cooling Method | <input type="checkbox"/> Neutral Heasink <input type="checkbox"/> No noise | Infared Testing | See:P715 IR Imaging test.JPG |
| Control and Programming | | | | | |
| Control Protocol | <input type="checkbox"/> DMX | MCU and Dimming Precision | <input type="checkbox"/> 32 Bit ARM | Optional Channels | 5CH <input type="checkbox"/> 8CH <input type="checkbox"/> 9CH |
| PWM Refresh Rate | <input type="checkbox"/> >3KHz | Address and signal display | <input type="checkbox"/> Touch LED display <input type="checkbox"/> 2minutes no operation no display | Extra Function | <input type="checkbox"/> Display DMX signal <input type="checkbox"/> Dimming curve Dim0-Dim4 |
| Physical/Materials/Construction | | | | | |
| Main Material | <input type="checkbox"/> ADC12 Diecast Alluminium | Second Material | <input type="checkbox"/> 6063 extrusion Alluminium <input type="checkbox"/> Glass | Other Material | <input type="checkbox"/> QR235 Metal <input type="checkbox"/> PMMA |
| Color and finish | <input type="checkbox"/> Matt black <input type="checkbox"/> Pumkin | measurements L*W*H | 287*270*166mm | Net Weight | 5.2 Kg |

| IP Rated/operation Enviroment and storage | | | | | |
|---|---|-------------------------------|--|-----------------------|--|
| Protection Rate | <input type="checkbox"/> IP20 | Air vent valve | <input type="checkbox"/> With Air vent valve | Cable Locking | <input type="checkbox"/> Stainless Steel PG13 |
| Operation Temperature | —20 °C~— 45°C | Operation Enviroment Humidity | <input type="checkbox"/> 0-95%RH | Storage Temperature | —40 °C~— 80°C |
| Included Items/Accessories/Related Items Installation | | | | | |
| Package | <input type="checkbox"/> Cartoon <input type="checkbox"/> Flight case | Optical Accessories* | <input type="checkbox"/> Barndoor <input type="checkbox"/> Hook <input type="checkbox"/> Safty Cable | Cable Accessories* | <input type="checkbox"/> Signal Extesion Cable <input type="checkbox"/> Power Extesion Cable |
| Approvals and after sales service | | | | | |
| Certificate | <input type="checkbox"/> CE <input type="checkbox"/> ROHS | Guarantee time | Oversea 1 year | Spare Parts Available | 5 years |



Light Distribution of LMTXL43HY
Upon Full RGBAW 5-in-1 LED



Beam Angle: 26.6
Field Angle: 50.6

Spot Diameter = Distance * 0.946
Lux on axis = 3491 * Lumens / 1000 / Distance / Distance