20° Recessed House Light

**ELECTRICAL**
ETL listed with Universal AC input 100 to 277 V. 50/60 Hz. Limited inrush current allows up to twelve fixtures on a 20 Amp circuit. Quiescent power is less than a Watt with fixture powered on and DMX at level zero. The LED driver has a 320,000 hour mean time between failures. Includes the UL required thermal protector that is specific to the supply voltage.

**DIMMING CONTROL**
Extremely smooth DMX controlled dimming all the way to zero output level. Single channel DMX controlled, with up to 16.7 million interpolated steps from off to full intensity. 30,000 Hz output produces no flicker to the eye or video with either line scan or global shutter cameras. DMX input is fully isolated to 2500 Volts per microsecond. Three easy-to-use rotary switches for setting the DMX address.

**RGBW LED MODULE**
The 60 individual Cree LEDs are carefully selected to maintain minimal color variance from fixture to fixture. Pleasing full spectrum light with all the visible colors represented. All LED modules and dimmers are manufactured at The Light Source in Charlotte, NC. Extensive production testing ensures over 105,000 hour life to L70. No appreciable IR or UV is produced by the LED module. The LED Module is field replaceable utilizing normal hand tools.

**OPTICAL**
Single source LED emulates the look and feel of an incandescent fixture. 6" diameter tempered borosilicate glass Fresnel lens produces an extremely smooth light beam. The beam center intensity value spreads evenly to the edge of the beam with a small field, producing low glare.

**THERMAL**
Incredible thermal management keeps the LEDs cool, providing increased brightness and Lumen maintenance. Maximum heat exchange provided with a huge passive convection-cooled aluminum heat sink. Silent operation with no fans to generate noise. Maximum ambient operating temperature is 122 degrees F (50 degrees C).

**WARRANTY**
10 year parts replacement on complete LED fixture and electronics. Ship the LED fixture to the factory freight prepaid. The LED fixture will be repaired or replaced at the factory's option, and returned freight prepaid. Fixture repair parts may also be sent for qualified repairs onsite. Damage from improper wiring, installation, and lightning are excluded from warranty repair.

**AGENCY RATINGS**
ETL listed in US and Canada

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**Catalog Number Example:** RL100W20-30EJR

<table>
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<tr>
<th>FIXTURE SERIES</th>
<th>INPUT WATTAGE</th>
<th>TRIM RING FINISH</th>
<th>OPTICAL BEAM ANGLE</th>
<th>LED COLOR TEMPERATURE</th>
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<td>B Matte Black Powder Coat</td>
<td>78 78° 6&quot; Fresnel lens</td>
<td>27K 2700 Kelvin</td>
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<td>BG Semi-Gloss Black Powder Coat</td>
<td>65 65° 6&quot; Fresnel lens</td>
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<td>C Custom RAL Color Powder Coat</td>
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<td>30 30° 6&quot; Fresnel lens</td>
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<td>20 20° 6&quot; Fresnel lens</td>
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</table>

**POWER CONNECTION**

- E 120V Thermal Sensor
- F 208V Thermal Sensor
- G 220V Thermal Sensor
- H 240V Thermal Sensor
- I 277V Thermal Sensor

**DATA CONNECTION**

- I IDC Plug on Header
- J External RJ-45’s
- N Non Dimming Fixture - No Data
- T Screw Terminal Plug on Header

**FIXTURE SUPPORT METHOD**

- R Recessed 11" diameter Rough In

**LED Module**

External 5 Pin XLR’s
External 3 Pin XLR’s

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