

COMMERCIAL SIGNAGE LED INTEGRAL CIRCUIT BOARDS

- Increased Brightness
- Reduced Energy Consumption
- Decreased Maintenance
- Eliminated "Hot Spots"
- Silver Circuitry™ Thermal Management
- Plug and Play Design
- 85% Less Installation Labor Required

LEDs	Lumens/Watt	Wattage
White	50	1.2
Red	35	1.0



LED LIGHT COLOR/ QUALITY

High output LEDs range from 3500k – 4000k, 5700k-6500k, and 6500k – 7000k on the Kelvin temperature scale. Any temperature of the color white may be specified.

ALUMINUM SUBSTRATE

.063" or .080" depending on application.

TOTAL U.S. CONTENT

81.61%.



ELECTRICAL

Each power supply operates from a 50-60 HZ +/- 3 HZ AC line over a voltage ranging from 120 to 277 Volts (depending on application). Output is 12 or 24 VDC (depending on application).

The driver is highly efficient (~90%) with a power factor greater than 0.90 and a total harmonic distortion (THD) of less than 20%. Fluctuations in line voltage have no affect on luminous output. The driver has voltage surge protection to withstand high repetition noise transients while meeting emission limits set forth in FCC Title 47, Subpart B, Section 15.

CERTIFICATION

uRcs and UL rated depending on application.



ENVIRONMENTAL

Operating range is -40 to 140 F measured on the heat sink and can sustain dry / damp operation.

ENVIRONMENTAL IMPACT

Relume LED products fully comply with the Restriction of Hazardous Substances Directives (RoHS) adopted in February 2003 by the European Union and are fully recyclable.



QUALITY ASSURANCE

Relume LED products are independently tested and pass FDOT environmental requirements A615-2 (Operating Voltage and Frequency), A615-3 (Power Interruption), A615-4 (Temperature and Humidity), A615-5 (Vibration), A615-6 (Shock), and A615-7 (Transients: Power Service, Input-Output Terminals and Non-Destruct Transient Immunity). ISO 9001:2008 Certification expected in September 2009.

During production, each light engine is burned-in and certified by Relume's internal QA process. A quality control tracking label is affixed on each panel with date of manufacture.

WARRANTY

Relume guarantees unsurpassed quality by offering an industry leading 7-year limited warranty. Contact Relume for complete warranty language, exceptions, and limitations.



PATENTED TECHNOLOGY

6,582,100 B1: 6,428,189, B1:6,045,240: 5,857,767: 5,785,418: 5,783,909: 5,782,555



For more information, visit www.relume.com or call: (248) 969-3800