

GRD

KC HILITES

GRAVITY® REFLECTIVE DIODE



PATENTED GRD LED CORE

The Gravity® Reflective Diode (GRD) CORE™ channels every lumen from the LEDs to a precision optical reflector for maximum light efficacy. Having designed and produced performance-engineered reflector optics for over 45 years, KC developed GRD Technology to capitalize on the full potential of each LED to produce the most efficient Performance LEDs on the market.



PROPRIETARY LED POSITIONING SYSTEM

At the heart of the GRD CORE is a proprietary, multilateral LED-positioning system – A revolutionary design that creates a new dimension to LED lighting technology. Each GRD CORE™ allows for an extremely tailored light beam that is optimized for any application requirement.



PRECISION OPTICAL REFLECTOR

A light is only as good as its optics. By coupling GRD Technology with industry-leading reflector design, both the CORE and precision reflectors are optimized together to maximize the potential of the LEDs.



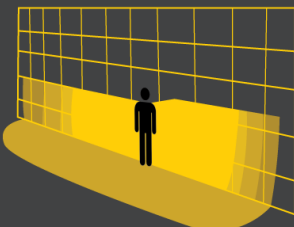
CERTIFIABLE BEAM PATTERNS: SAE/DOT/ECE

Through our GRD Technology, KC's beam patterns can conform to street legal standards. The Gravity® Series LED lights with spot, driving and fog beam patterns - will meet and exceed SAE, DOT, & ECE specifications.



GRD ADVANTAGE

GRAVITY®
GRD



FORWARD
FACING



What is the GRD Advantage?

The goal is to maximize light efficiency by taking advantage of as much light that is emitted from the LED diode. Conventional forward-projecting LEDs have efficiency levels as low as 15%, due to inherent limited beam control - the light is under-utilized or simply undirected. When this same amount of light is paired with our GRD technology, the result is a fully leveraged LED diode with a purposefully controlled beam pattern. The GRD Advantage allows KC to achieve more across: wattage, light output and beam shape.