

..bringing international lighting benchmarks to the Indian Automotive industry!



**Kwality Photonics**

Kwality Photonics with a legacy of 30 years, as India's first and currently the largest manufacturer of LEDs, is the country's leading producer of LEDs, LED Displays and Opto Electronic products. Kwality is a Technology and Quality leader due to its ability to deliver state of the art products, and having ISO 9001-2008 certification thereby consistently achieving near 100% yields, which enables it to offer over 600 types of LEDs, LED Displays and Opto Electronic products AT AFFORDABLE PRICES.

In 2013 Reader's Choice Awards by Electronics For You, Kwality competed with global leaders in the LED category which included Osram, Cree, Nichia and Philips Lumileds to emerge victorious as the **only Indian LED Enterprise in TOP 5** - a testament to the fact that Kwality is setting benchmarks through its products that are truly international and comparable to the best in the world!



**Radiant Enterprises**

Radiant is Kwality's on-field partner and the pivotal link in its efficient supply and logistics value chain, enabling Kwality to meet its clients' on-demand needs on time. With over 29 years of experience in sales and distribution in the automotive industry, Radiant is Kwality's strategic partner enabling it in delivering a positive and delightful customer experience.

**WELCOME...**  
TO THE FUTURE OF AUTOMOTIVE LIGHTING



**Welcome...**  
to the launch of  
**uniLED™**  
at Stall 7 - Hall 12 (via Gate-7)

**LED EXPO 2013**  
on Dec 19, 2013  
Pragati Maidan,  
New Delhi, India

**Manufactured by**  
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**uniLED™**

India's premier  
**LED Automotive Fitments**



- Energy efficient
- Non-polluting
- Long life
- Eco-friendly

For 2, 3 & 4 wheeler

Light-making Excellence, since 1987








\* Patent pending



a product of **kwality** an ISO 9001 - 2008 company

# uniLED - 12V Bulb for 2 & 4 wheeler

Description	Bulb for Blinkers, Tail Light and Brake Light		
Model coverage	All 2 & 4 wheelers		
Application	Front & Rear Blinkers 	Tail Light 	Brake Light 
Part No.	1016, 1157	1141, 1158	
Rating	12 volts	12 volts	
Emission color	 Amber	 Red	

## Product features

- 1) Equipped with High Power LED *cluster*
- 2) Universal application/fitment - replaces all filament bulbs
- 3) Compatible with all commercial flashers
- 4) Needs no replacement of Flasher control unit
- 5) '*FLECTO*' lens for uniform illumination like a filament bulb
- 6) Easy installation- Simple drop-in replacement for filament bulbs
- 7) Unbreakable overall casing- to take hardest knocks
- 8) Fail-proof configuration - multiple parallel LED circuits
- 9) Optimum heat management for efficient functioning
- 10) Low energy consumption - just 10% load on battery
- 11) Instant **100% light** - no warm-up time
- 12) Range includes *OEM grades*
- 13) Pure color - all power concentrated into single color
- 14) Life-time warranty for LED
- 15) Extremely long-life (*up to 50,000 hrs*)
- 16) Up to **25 times longer life** than standard filament bulbs
- 17) Water and Vibration resistant
- 18) Mercury free and RoHS compliant

## uniLED - Other offerings

Parking bulb



Meter bulb



# Why uniLED™



## NO FLASHER REPLACEMENT, EVER!

uniLED™ bulbs for blinkers are designed to work with all commercially available flashers currently supporting the standard filament bulbs on all makes and models of vehicles. This makes uniLED™ the best choice and a universal application.

### RAPID BRIGHTENING



uniLED™ bulbs turn on at **100%** of their intended brightness every single time significantly faster than the best available filament and halogen bulbs - *gives 10 meters of advance warning to driver behind you*

### LONG, LONG LIFE



uniLED™ bulbs last up to **50,000 hrs** - over **8 times** the lifespan of standard filament bulbs!

### DURABLE BUILD QUALITY



uniLED™ bulbs have no filaments, gas filling and glass casing. This ensures they are unbreakable, water and vibration proof and come with a Life Time LED Warranty!

### SUPERIOR LIGHT DISPERSION



uniLED™ bulbs are the only LED bulbs that have optimized light beam focusing properties to match the requirements of long standing standard indicator and tail light fitments!

*'Patent pending'* uniLED™ is India's first and only LED automotive fitment product designed to light-up every single OEM automotive light across all categories of vehicles (2,3 & 4 wheeler) and across all models (past, present & future) within the Indian automotive industry. A result of years of R&D and innovation by the best brains and creative minds in the LED industry, uniLED™ is a unique concept that marks a new era in the Indian automotive lighting space.

Conceptualized and produced by Kwaliti Photonics – India's largest producer of LEDs – and a Technology and Quality leader delivering state of the art innovative products since 1987.

### LIFE SPAN = 25 times



uniLED™ bulbs have a life span equivalent to replacing the standard filament bulb 25 times! *Saves you Rs. 100/- per visit to the mechanic.*

### EFFICIENT ENERGY USAGE



uniLED™ bulbs consume only **20%** power compared to a standard filament bulb and do not radiate heat!

### ENVIRONMENTALLY FRIENDLY



uniLED™ bulbs are designed to be recyclable and are **RoHS compliant**, ensuring functional efficiency with environmental responsibility!

### WATER & HEAT RESISTANT



uniLED™ bulbs are designed to resist the extremes of rain and heat and thus ensure a life-long service, so far unheard of in the automotive lighting industry!