



DownLED

(Recessed Downlight Replacement)

Product Description

The Q-RAY™ DownLED is developed to replace the conventional lights system (Fixtures + Ballast + Bulb) in one fully integrated fitting. It saves energy and conserves the environment by reducing carbon footprint. It operates on 110 - 240V AC input supply and adopts an easy 'plug-and-play' model, which makes it a perfect choice for those who opt for aesthetics and functionality.



Application

Superior choice for residential and low ceiling commercial complexes for general illuminations. Suitable for indoor and semi outdoor installations.

Design Concept

Q-RAY™ DownLED offers good color rendering for better visibility and comfort lighting. It offers exact dimensions for ease of retrofitting. Energy conservation and comfort lighting are also Q-RAY™'s design guiding principles.

Application Requirements

Using Q-RAY™ DownLED is simple. For new installation, the method is similar to conventional downlight. For retrofitting, it is a 'plug and play' conversion. We recommend a ceiling height of between 8 to 12 feet to unleash the full potential of DownLED.

The Hazards of Mercury

The possibility of airborne mercury into small, little droplets and breathed into the lungs can be deadly. This can often occur by mistake when people try to vacuum up mercury that has spilled onto the ground or even when it flows into water stream. Depending on how much mercury is inhaled, permanent lung damage and death may occur. One may also have some long-term brain damage from inhaled elemental mercury.

Body & Material Construction

Its body is constructed via a combination of polymer and alloy material. The advance thermal management system design ensures 50,000 hours of operating life without color shift is achievable.

Optical Properties

Q-RAY™ DownLED products are designed with minimal glare giving that soft glow that is comfortable to the eyes. Through careful design the light distribution is optimised to provide excellent uniformity in illumination.

That's why we say: "Not all LED bulbs are created equal".

Technical Specifications

DownLED	Cool White	Warm White
Total Flux Produced	850 lumens	750 lumens
Typical Power	16W	
Input Voltage	110 to 240VAC	
CCT* Level	6500K	3000K
System Efficacy (Typical)	53 lm/W	47 lm/W
Color Rendering Index , CRI	>70	>80
Illumination Angle	100°	

Note: *Color Temperature Referenced to ANSI C78.377-2008 specifications.

Ordering Information

Model Part Number

QDL06-USW-Cool

QDL06-USW-Warm

Manufacturing Part Number

QDL06-USW-65RSVE Q-RAY™ DownLED 6", Cool White

QDL06-USW-30RSVE Q-RAY™ DownLED 6", Warm White

Note: While every effort has been made to ensure that the information contained herein is correct at the time of publication, specifications may change without prior notice.

Q-RAY™ DownLED Mechanical Dimension

