

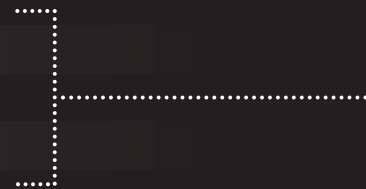


***Renaissance***<sup>TM</sup>  
***Lighting***

Downlights

*elegant, efficient, eco-logical*

## paradigm shift ...



our new LED lighting technology will change the way you light a building ... light a bridge ... light a room ... light retail products ... it will change the way you view solid-state lighting ... it provides every aspect of light from a single fixture ... allowing you to do things never before possible ... with consistent light output and color ... assuring the integrity of your design ... throughout its lifecycle ... decades from now.

simply the best ...



Our downlights can add color and color-changing capabilities to wallwashing and wallgrazing applications. They can also project a wide pattern of diffused light or illuminate objects to bring their color to life!

every color of the spectrum ... including every color of white light ...

with the Renaissance dynamic monitoring system ensuring consistent

light output and color ... throughout its lifecycle ... decades from now ...

and no visible LEDs ...

all from this one, truly intelligent downlight fixture.

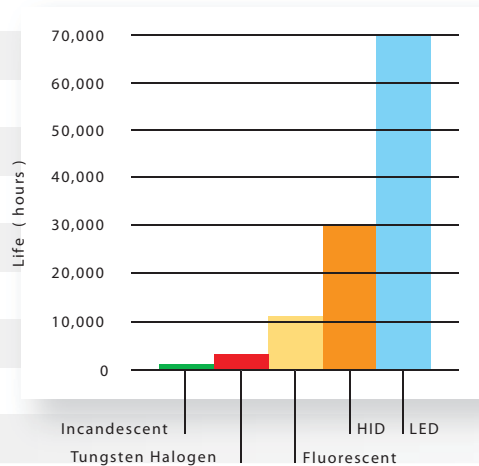
Finally, LED lighting has entered the mainstream. No longer a novelty light source, but a true, natural light source. Now LED lighting can reach its full potential.

Research scientists and engineers from America's largest private research company have created a breakthrough patented technology for the mixing and blending of multiple LED light sources to produce a single light source.

Imagine a whole new world for commercial downlighting. One where a single downlight fixture can provide every color of the spectrum. One where the same fixture can produce every color temperature of white light. Truly an intelligent fixture, with a dynamic monitoring system ensuring consistent light output and color throughout its lifecycle, decades from now.

Now lighting applications are boundless!

Renaissance Lighting has adopted the definition for LED useful life as outlined by the Alliance for Solid-State Illumination Systems (ASSIST) and the Lighting Research Center (LRC) at Rensselaer Polytechnic Institute (RPI). All of Renaissance Lighting's data is based upon the more stringent recommended lumen maintenance factor – "...when operated at an ambient temperature of 35° C the length of time it takes for the LED source to reach 70% of its initial light output."



Under "ideal" operating conditions, it is possible for LED systems to have "useful life" spans of 50,000 to 70,000 hours. <sup>1</sup>

<sup>1</sup>(Narendran et al; LRC; 2000, 2001)

## ED2 Downlight



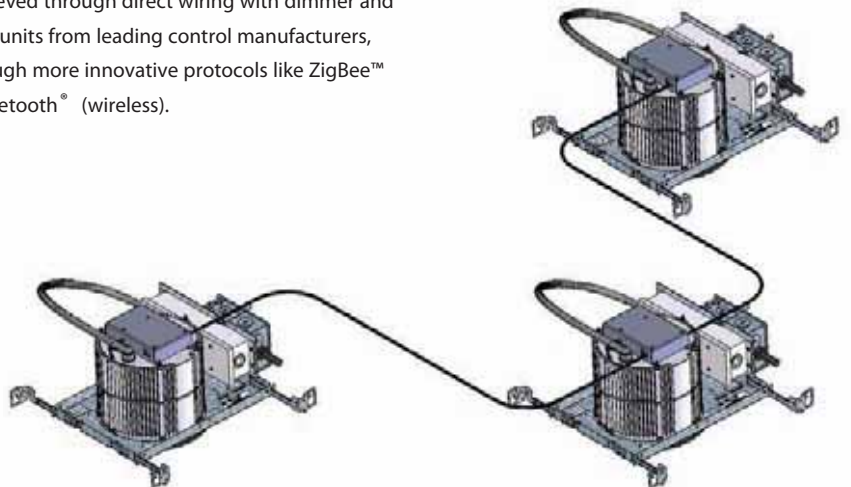
Looks and installs like a typical fixture ... power supply drivers, LED arrays and optics are all integral.

We put all of our breakthrough technology in the same familiar "box" design. So installation is the same. And no special education or special tools are required. Any number of luminaires may be daisy-chained on one control circuit. It's turnkey. Just install and forget.

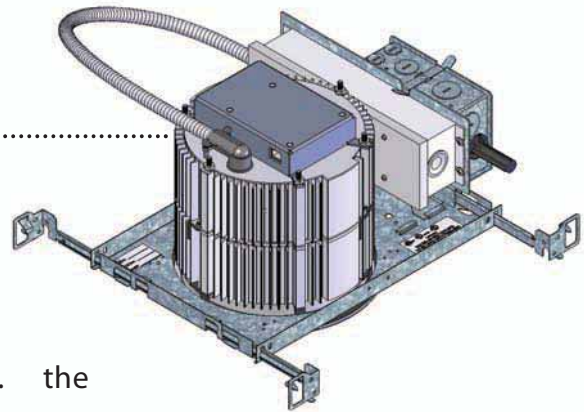
We offer a variety of control options, from hardwired controls to programmable Bluetooth® wireless control from your PDA. From factory installed Palm® compatible software to DMX options. Our entire system is very flexible and easy to use so your ideas can be limitless. Set whatever you want!



Controlling the color of a group of downlights can be achieved through direct wiring with dimmer and control units from leading control manufacturers, or through more innovative protocols like ZigBee™ and Bluetooth® (wireless).

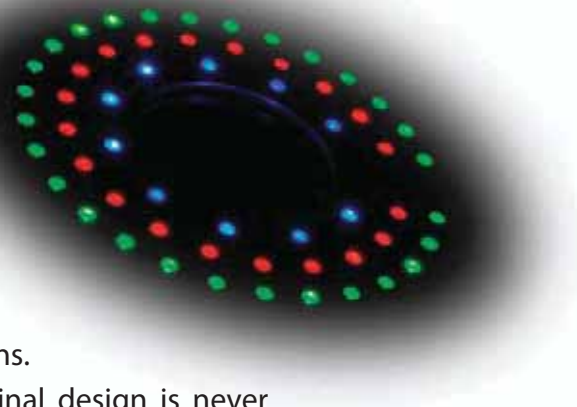


Our downlight is installed like a typical downlight and looks like one in the ceiling ... but the lighting effects are spectacular!



**Virtually no output degradation** ... the Renaissance Lighting dynamic monitoring system ensures consistent light output and color ... throughout its lifecycle ... decades from now ... little color shift ... consistently uniform, fixture to fixture, over its lifetime ... assuring the integrity of your design ... this is truly an intelligent fixture!

An inherent problem with LEDs is they begin to color-shift and degrade in light output from day one. And at different rates so fixtures next to each other begin to appear different. Our patented and exclusive intelligent sensor monitors and maintains light output and color intensity, correcting these variations. Day after day, year after year. So your original design is never compromised.



This is a major industry innovation!



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