

reveal[®] technology:

Changing
the landscape
of lighting.



reveal® technology:

How colors were meant to be seen.

At GE, we believe light has the power to make everything it touches better. Our reveal® technology does just that – significantly improving lighting outcomes for more vivid colors and crisper patterns, all without compromising the energy savings you'd expect from LED.

Incorporating decades of material science expertise, reveal® TriGain™ and reveal® Whiter White technologies help commercial lighting designers achieve ideal color quality without sacrificing efficiency.

reveal® TriGain™ technology:

Harnessing the power of red.

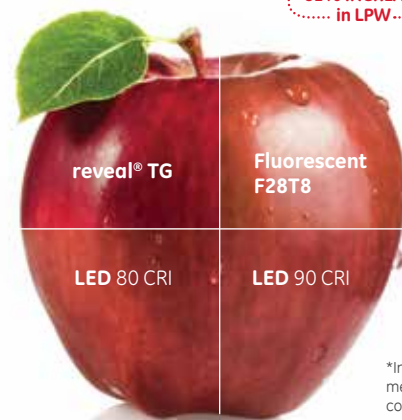
The CRI of light is important for bringing out the beauty of displayed items. R9, a saturated solid red, is vital to optimally displaying things such as skin tones, produce and artwork. Until now, increasing CRI and R9 levels in LED light has come at a cost, decreasing energy efficiency as much as 20%. Today, reveal® TriGain™ technology delivers ultimate color quality without sacrificing efficiency.

reveal® TriGain technology uses a narrow-band red phosphor that increases both CRI and R9, while improving LED and system efficacy significantly versus other LED products or systems on the market. The result? Premium performance lighting systems for retail and commercial applications.

ULTIMATE COLOR QUALITY WITH ZERO SACRIFICE.

Fluorescent F28T8	LED	LED	reveal® TG
85 CRI	80 CRI	90 CRI	90 CRI
100 LPW	160 LPW	127 LPW	168 LPW
R9 < 15	R9 < 30	R9 < 45	R9 > 90

32% INCREASE in LPW



*Industry standard 3030 LED measured at the same operating conditions



reveal® Whiter White technology:
Whites whiter. Brights brighter.

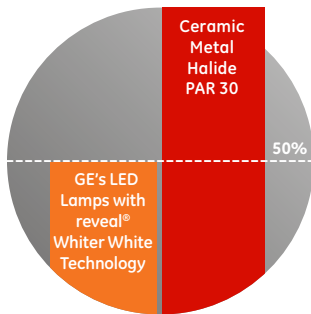
GE developed reveal® Whiter White technology to make merchandise look its absolute best. A more beautiful, more efficient alternative to display lighting solutions like ceramic metal halide lighting, reveal® Whiter White technology uses violet LED lighting to activate optical brighteners that reveal the whitest whites.

With a high 91 CRI (color rendering index) and R9 of 90, reveal® Whiter White technology brings out more vibrant colors and patterns. The patented Visual Comfort Lens from GE reduces glare to help draw the eye to items on display.

GE's LED Lamps with reveal® Whiter White Technology

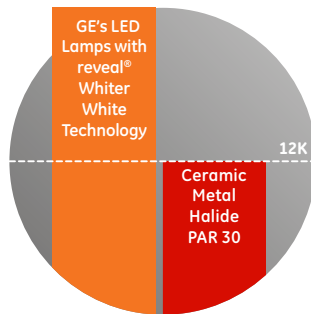
Standard LED

Ceramic Metal Halide



HALF THE ENERGY OF CERAMIC METAL HALIDE*
Compared to the typical ceramic metal halide PAR 30 lamps they replace, new reveal® Whiter White LED lamps use 50% less energy.

* These lamps provide optimal spot lighting, but provide less light output (650 lumens vs. 2400 lumens).



2X THE LIFE OF CERAMIC METAL HALIDE*
reveal® Whiter White LED lamps from GE are rated for 25,000 hours versus 10,000 to 12,000 hours for a typical ceramic metal halide lamp.

WHITER WHITES

reveal® Whiter White technology activates the optical brighteners in white clothing. Whites appear sharper, brighter and overall whiter versus a dingy, yellow appearance.

MORE VIBRANT COLORS

Advanced reveal® technology with a 91 CRI and R9 of 90 brings out more vibrant colors and patterns.

REDUCED GLARE

The patented Visual Comfort Lens from GE delivers a more comfortable light that reduces glare to help draw the eye to items on display.





To learn how reveal® TriGain™ and Whiter White technologies can fit beautifully into your commercial lighting design, contact your GE representative today.