

Essentia Interior LED Recessed Luminaires



BetaLED brings its renowned product benefits inside with *Essentia*, a new line of LED interior lighting that combines a breakthrough in performance and control with an upgradeable, replaceable light engine.

Total Systems Approach

BetaLED Total Systems Approach is a design commitment to incorporate the latest LEDs, an industry leading optical design, efficient driver characteristics and effective thermal management in one system to maximize overall luminaire performance and longevity. The result is lower cost of ownership and extended lifetime. Enjoy decades of maintenance-free operation with no compromise in lighting performance.

Superior Optical Control

BetaLED patented NanoOptic® technology and a Total Internal Reflection (TIR) optic design allows *Essentia* luminaires to deliver efficient light on target. Light is layered for optimal blending and uniformity with more than 70-percent optical efficiency. *Essentia* recessed LED selections include 14, 28, 42, and 56 counts, with lumen packages ranging from 1,200 to 5,000 lumens.

Extended-Life Design

Essentia luminaires are designed with superior thermal management that maximizes the life and performance of the LEDs. Highly efficient cooling comes from an extended-life design that dissipates heat and transfers it away from the junction point of the LEDs using a copper heat pipe and thin fin design. A metal core circuit board increases thermal transfer to the heat pipe.



Compare *Essentia* lighting performance.

Contact your local BetaLED agent or info@ruud.ca for additional information.

Learn more about BetaLED's *Essentia* interior LED luminaires at www.ruud.ca/Essentia



The complete line of **Essentia** interior LED recessed luminaires includes an unbeatable LED performance package and is designed with exceptional features:

- Replaceable light engine
- Standard 0-10V dimming control
- 4-, 6- and 8-inch square and round apertures
- 1,200 to 5,000 delivered lumens
- Multiple colour temperatures & drive currents
- Narrow, medium and wide distribution
- 45 degree cut-off (downlights only)
- 2700K, 3000K, 3500K and 4300K
- Long Life: L70 @ 25°C of > 50,000 hours
- Backed by a five year warranty

Essentia Recessed Product Offering

LED Architectural Downlights				
Catalog Number	Product	Aperture (Inches)	LED Count (# of LEDs)	Optics
ESA-ADR-414-C*	ADR Architectural Downlight - Round	4	14	WD - Wide MD - Medium ND - Narrow
ESA-ADS-414-C*	ADS Architectural Downlight - Square			
ESA-ADR-628-C	ADR Architectural Downlight - Round	6	14 28	WD - Wide MD - Medium ND - Narrow
ESA-ADS-628-C	ADS Architectural Downlight - Square			
ESA-ADR-856-C	ADR Architectural Downlight - Round	8	28 42 56	WD - Wide MD - Medium ND - Narrow
ESA-ADS-856-C	ADS Architectural Downlight - Square			

LED Adjustable Downlights				
Catalog Number	Product	Aperture (Inches)	LED Count (# of LEDs)	Optics
ESA-ADR-614-C__ADJ	ADR Architectural Downlight - Round	6	14	NDADJ Narrow (25° Beam) Adjustable NSADJ Narrow Spot (15° Beam) Adjustable NPADJ Narrow Pin (10° Beam) Adjustable
ESA-ADS-614-C__ADJ	ADS Architectural Downlight - Square			
ESA-ADR-828-C__AD	ADR Architectural Downlight - Round	8	28	NDADJ Narrow (25° Beam) Adjustable NSADJ Narrow Spot (15° Beam) Adjustable NPADJ Narrow Pin (10° Beam) Adjustable
ESA-ADS-828-C__AD	ADS Architectural Downlight - Square			

LED Lensed Wall Wash				
Catalog Number	Product	Aperture (Inches)	LED Count (# of LEDs)	Optics
ESA-ADR-614-C-LWW*	ADR Architectural Downlight - Round	6	14	LWW Lensed Wall Wash
ESA-ADS-614-C-LWW*	ADS Architectural Downlight - Square			
ESA-ADR-828-C-LWW*	ADR Architectural Downlight - Round	8	28	LWW Lensed Wall Wash
ESA-ADS-828-C-LWW*	ADS Architectural Downlight - Square			

* Exclusive Slideways™ technology provides power supply/splice access.

