

FEATURES & SPECIFICATIONS

INTENDED USE — The RTL combines digital LED lighting and controls technologies with patented high-performance optical design to offer the most advanced luminaire for general-ambient lighting applications. High-efficacy light engine delivers long life and excellent color, ensuring a superior quality lighting installation that is highly efficient and sustainable.

CONSTRUCTION — Rugged, one-piece cold-rolled steel reflector assembly with embossed facets. Coated polyester powder-paint after fabrication.

Rigid structure with ballast box and end plates. End plates include integral T-bar clips.

Impact-modified acrylic prismatic refractor.

Luminaires may be mounted end-to-end and continuously wired.

OPTICS — Volumetric illumination is delivered by creating an optimal mix of light to walls, partitions, vertical and horizontal work surfaces — rendering the interior space, objects and occupants in a more balanced, complementary luminous environment.

Light distribution is carefully controlled at high angles, providing just enough luminous flux to create the volumetric effect.

Linear faceted reflector cavity softens and distributes light into the space while minimizing luminous contrast between the fixture and ceiling.

Sloped end plates provide a smooth, luminous transition between fixture and ceiling while enhancing the perception of fixture depth.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. RTL is rated to deliver L90 performance for 60,000 hours.

Optional integrated nLight® controls make each luminaire addressable - allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Simply connect all the nLight enabled control devices and the RTL luminaires using standard CAT-5 cabling. Unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission.

Lumen Management: Unique lumen management system (option N80) provides onboard intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

Step-level dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

eldoLED driver options deliver choice of dimming range, and choice of control, while assuring flicker-free, low current inrush, 89% efficiency and low EMI.

Driver disconnect provided where required to comply with US and Canadian codes.

INSTALLATION — Drivers and internal components accessed via plenum. Driver tray may be removed from fixture during service. Suitable for damp location.

Maintenance: LED boards include plug-in connectors for easy replacement or servicing.

LISTINGS — CSA Certified to meet U.S. and Canadian standards.

Catalog Number
Notes
Type



Volumetric Lighting

RTL

1' X 4'
LED



eldoLED



INDUSTRY RECOGNITION/AWARDS



TheLEDShow

2011 BEST AMBIENT LED LUMINAIRE
2011 MOST INNOVATIVE OPTICAL CONTROL

2010 BEST INTERIOR LED PRODUCT

Tested to LM80 standards. IC rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/OPL to confirm which versions are qualified.

Protected by one or more of US Patent Nos. 7,229,192; D541,467; D541,468; D544,633; D544,634; D544,992. D544,933 and additional patents pending.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: RTL4 40L EZ1 LP835 N80

RTL4		Lumens ¹		Voltage		Driver ³		Color temperature		Control ⁴		Option															
RTL4	Recessed 1X4 LED	20L	2000	(blank)	MVOLT (120 - 277V)	EZ1	eldoLED dims to 1% (0-10 volt dimming)	LP830	3000 K, 82 CRI	(blank)	No controls	EL7L	700 nominal lumen battery pack														
		30L	3000											347	347 volt ²	EZB	eldoLED dims to dark (0-10 volt dimming)	LP835	3500 K, 82 CRI	N80	nLight with 80% lumen management						
		40L	4000	EDB	eldoLED DALI ³																	LP840	4000 K, 82 CRI	N80EMG	nLight with 80% lumen management for use with generator supply EM power ³	EL14L	1400 nominal lumen battery pack
		48L	4800																								
		60L	6000	SLD	Step-level dimming ³																	N100EMG	nLight without lumen management for use with generator supply EM power ³	CP	Chicago plenum		
														EXA1	Dims to 1%, XPoint wireless enabled ^{3,4}	EXAB	Dims to dark, XPoint wireless enabled ^{3,4}										

Notes

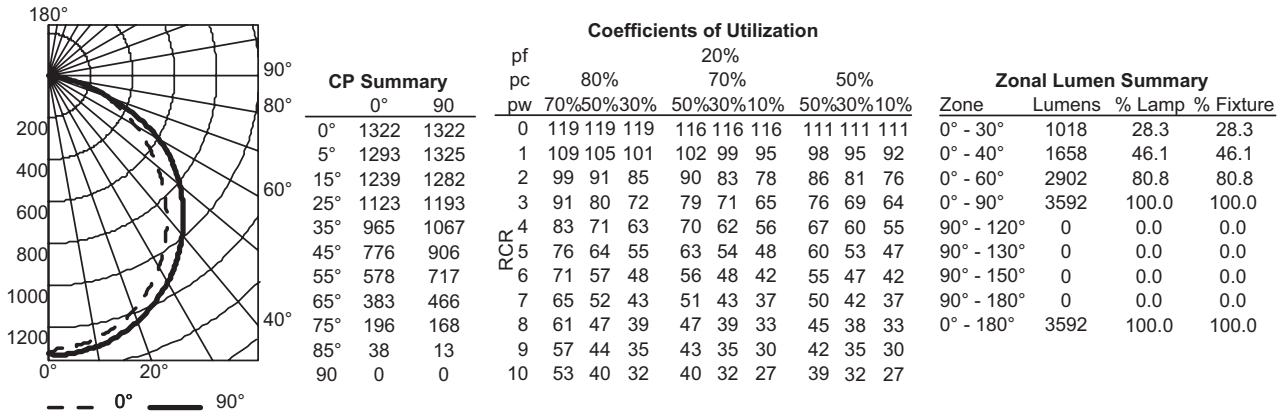
- 1 Approximate lumen output.
- 2 Not available with EL battery packs or SLD driver.
- 3 Not available with N80, N80EMG, N100, or N100EMG.
- 4 nLight access limitations with EZB.
- 5 nLight EMG option requires a connection to existing nLight network. Power is provided from a separate N80 or N100 enabled fixture.

RTL Volumetric Recessed Lighting 1'x4'

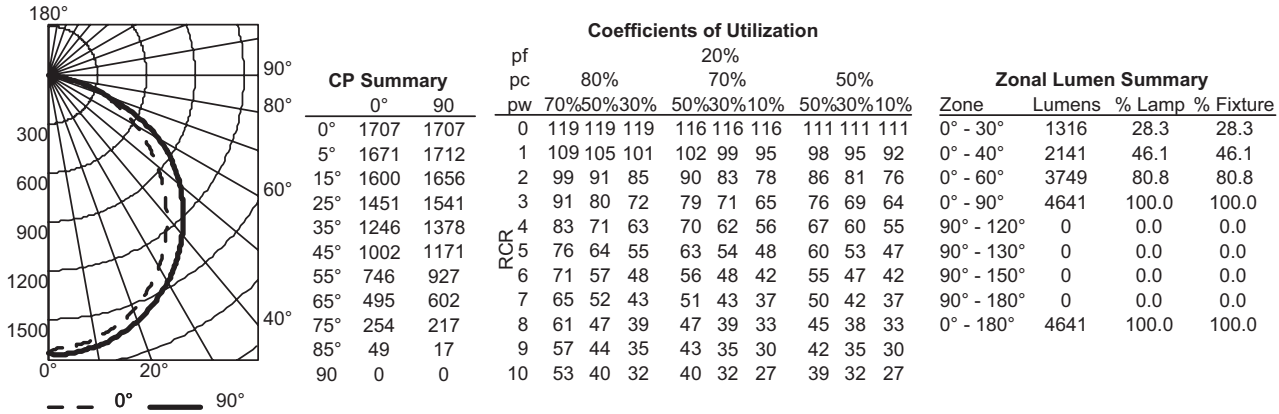
Performance Data			
Lumen Package	Lumens	Input Watts	LPW
20L LP830	1902	19.26	99
20L LP835	1998	19.26	104
20L LP840	2093	19.26	108
20L LP850	2125	19.26	110
30L LP830	2683	28.98	92
30L LP835	2816	28.98	97
30L LP840	2949	28.98	102
30L LP850	3006	28.83	104
40L LP830	3421	40.68	84
40L LP835	3593	40.68	88
40L LP840	3771	40.68	93
40L LP850	3853	40.68	95
48L LP830	4415	46.68	94
48L LP835	4641	46.68	99
48L LP840	4871	46.68	104
48L LP850	4928	46.68	105
60L LP830	5031	54.84	92
60L LP835	5282	54.84	96
60L LP840	5537	54.84	101
60L LP850	5632	54.84	103

PHOTOMETRICS

RTL4 40L LP835, 3,592 delivered lumens, test no. LTL25612P8, tested in accordance to IESNA LM-79.



RTL4 48L LP835, 4,641 delivered lumens, test no. LTL25612P12, tested in accordance to IESNA LM-79.



RTL Volumetric Recessed Lighting 1'x4'

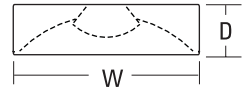
nLight® Control Accessories:

Order as separate catalog number. Visit www.sensorswitch.com/nLight for complete listing of nLight controls.

WallPod stations	Model number	Occupancy sensors	Model number
On/Off	nPODM [color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPODM DX [color]	Large motion 360°, ceiling (PIR / dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX	Wall switch with raise/lower	nWSXPDTLVDX
Photocell controls	Model number	Cat-5 cable bundles (plenum rated)	Model number
On/Off & Dimming	nCM ADCX	10', 15 pieces per bundle	CAT5 10FT
		30', 15 pieces per bundle	CAT5 30FT

Dimensions

All dimensions are inches (centimeters) unless otherwise specified.



Specifications

Length: 48 (121.9)

Width: 12 (30.5)

Depth: 3-1/8 (7.9)

Constant Lumen Management

Enabled by the embedded nLight control, the RTL actively tracks its run-time and manages its light source such that constant lumen output is maintained over the system life. Referred to as lumen management, this feature eliminates the energy waste created by the traditional practice of over-lighting.

