

FEATURES & SPECIFICATIONS

INTENDED USE — For use with housings L7X, L7XR, and LC6.

LED module for use in retrofit / remodel or new construction applications where energy savings, long-life, and functional delivered light levels are required. The Reality LED module provides 80% energy savings over the 65W BR30 and replicates the beam pattern and useful light levels of these fixtures. It will maintain at least 70% light output for 50,000 hours in a typical IC environment. The Reality LED module fits most common 6" cans for retrofit applications and can be ordered with L7X, L7XR, or LC6 for new construction. The Reality LED module is the most economical means to create a well lit environment with exceptional energy efficiency and near zero maintenance.

CONSTRUCTION — Rugged, one-piece, die-cast heat sink design for optimal thermal management.

Wet location rated lens is tightly fitted to the housing to reduce the ingress of dust.

Hardwire kit ships standard to enable a permanent conversion to a LED source and Title 24 compliant.

Twin torsion springs ensure easy installation.

Utilizes 3000K color temperature.

OPTICS — Precisely designed elliptical upper reflector and a patented micro prism lens provides a 38 degree full width half max (FWHM) beam angle. Lower splay recesses optical system into the ceiling to prevent glare and provide a traditional look.

ELECTRICAL — Utilizes high-brightness LEDs on a metal core circuit board, ensuring cool-running operation. On-board circuitry to ensure protection against wiring errors.

High-efficiency driver mounted on the module. Primary power disconnect provided for simple connection to a standard Edison (E26) base socket.

Full range dimming is standard; dimming down to 25%. Optimal dimming performance is achieved when connected to an electronic low-voltage (ELV) dimmer; See page 2 for recommended dimmers.

Standard input wattage is 11.2 W, 61 lumens per watt.

INSTALLATION — Suitable for installation in standard-height rough-in sections. Fits into most popular 6" housings.

LISTINGS — CSA certified for use in the US and Canadian safety standards. Wet location listed. Energy Star rated.

WARRANTY — Five-year limited warranty. Full warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type

6" LED Module

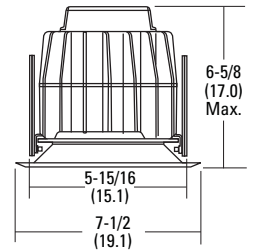


IC/Non-IC
Retrofit



Specifications

Aperture: 4-3/8 (11.1)
 Ceiling opening: As rough-in
 Overlap trim: 7-1/2 (19.1)
 Height: 6-5/8 (17.0) max.
 Weight (module only): 2.8 lbs.
 Weight (module and carton): 3.96 lbs.
 All dimensions are inches (centimeters) unless otherwise noted.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: REAL6 D6MW ESL

Series/Finish	ESL Type	Lumen output ¹	Color temperature	Voltage	Options ²
Series REAL6 D6 6" energy star retrofit module Finish MW Matte white A Clear diffuse AZ Clear specular BN Brushed nickel BLZ Black specular BZA Antique bronze ORB Oil-rubbed bronze WT Wheat diffuse	ESL ENERGY STAR® listed	(blank) 700 lumens	(blank) 3000K	(blank) 120V	PFMW Matte white plastic flange ring PFBL Black plastic flange ring L7X New construction rough-in L7XR Remodel rough-in LC6 New construction rough-in ISH Insect shield

Accessories: Order as separate catalog number.	
TSA6	Makes non-bracket housings compatible with the LED module ships as units, J6 or J25
FL2LED	Makes L7XF housings compatible with the LED module
REAL HW Kit	Enables a permanent conversion to an LED source and Title 24 compliant (ships standard)
CTR6	6" goof ring, white



TSA6
Torsion spring adapter



REAL HW Kit
REAL HW Hardwire Kit



FL2LED
Fluorescent Adapter Kit

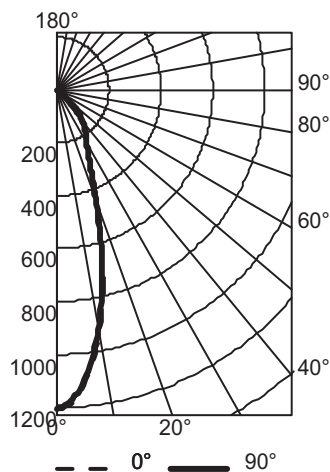
Notes

- Total system delivered lumens.
- See Real6 New Construction/Remodel Spec Sheets for use with dedicated LED Housings.

6 Series REALITY™ 6" LED Energy Star

PHOTOMETRICS

REAL6 D6MW ESL, 3000K LEDS, 686 delivered lumens, 11.2 input watts, test no. LTL30017110

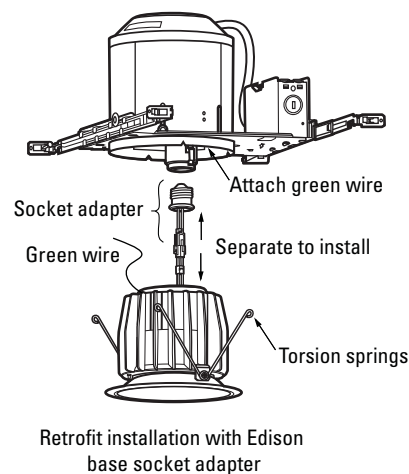


CP Summary	Coefficients of Utilization													
	0°		90	pf	80%						20%			50%
	70%	50%			30%	50%	30%	10%	50%	30%	10%			
0°	1205	1205	0	119	119	119	116	116	116	111	111	111		
5°	1134	1118	1	113	110	108	108	106	104	104	102	101		
15°	685	666	2	107	102	98	101	97	94	97	94	92		
25°	301	295	3	102	95	90	94	89	85	91	87	84		
35°	196	192	4	97	89	83	88	82	78	85	81	77		
45°	106	103	5	92	83	77	82	76	72	80	75	72		
55°	18	19	6	87	78	72	77	71	67	76	71	67		
65°	7	7	7	83	73	67	73	67	63	71	66	63		
75°	4	4	8	79	69	63	69	63	59	68	62	59		
85°	0	0	9	75	66	60	65	59	56	64	59	55		
90°	0	0	10	72	62	57	62	56	53	61	56	52		

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	446	65.0	65.0
0° - 40°	571	83.3	83.3
0° - 60°	674	98.3	98.3
0° - 90°	686	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	686	100.0	100.0

Efficiency: 100.0%

INSTALLATION, DIMMING AND ENERGY DATA



HARDWIRE INSTALLATION (REAL HW KIT)

The Hardwire kit enables a permanent conversion to an LED source for easy installation and compliance with Title 24 as well as rebate programs.

- 1 Remove the existing lamp and reflector, and discard them, leaving the socket hanging freely by the wires.
- 2 Cut existing socket wires close to the socket and discard the socket.
- 3 Remove and discard the E26 Adaptor from module (see Figure 1).
- 4 Remove orange plug from the hardwire kit bag. Pair the wires by color. Insert both into the red connector. Squeeze the metal U shaped fastener firmly. Flip the cover over to insulate the connection (See Figure 2).

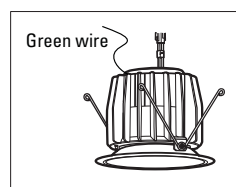


Figure 1

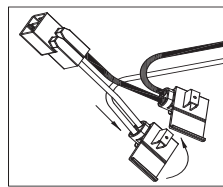


Figure 2

COMPATIBLE DIMMER SWITCHES	
MANUFACTURER	PART NO.
LUTRON	DVELV-300
	DVELV-303
	MAELV-600
	MIRELV-600
	NTELV-300
	NTELV-600
	SELV-300
LEVITON	VTSELV-600M
	6615-P
	ATE04-1L
	ATE06-1L
	VPE04-1L
SYNERGY	VPE06-1L
	ISD ELV

ENERGY DATA*	
Min. starting temp	-30°C (-22°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A standards
Input voltage	120V
Min. power factor	0.95
Input frequency	50/60 Hz
Max. THD	30%
Rated wattage	11.2W
Input power	11.2W
Input current	.1A

*Values at non-dimming line voltage.

Notes

- Actual performance may differ as a result of end-user environment and application.
- Actual wattage may differ by +/-5% when operating at 120V +/-10%.