

FEATURES & SPECIFICATIONS

INTENDED USE

Recessed downlight module that provides a precise 38° full width half max (FWHM) beam angle with an engineered specular upper reflector and a patented micro-prismed lens. Suitable for installation into an existing rough-in section. Also available with a dedicated rough-in section for new construction. IC rated and wet location listed.

CONSTRUCTION

Rugged, one-piece, die-cast heat sink design for optimal cooling efficiency.

Precisely designed elliptical upper reflector and micro-prismed lens for precise beam control. The optics are fitted tightly to the housing to reduce the ingress of insects and dust. Lower splay recesses optical system into the ceiling to prevent glare and provide a traditional PAR look.

Twin torsion springs ensure easy installation.

Uses 3000K/85 CRI LEDs.

OPTICS

The system maintains 70% lumen output at 35,000 hours in a typical IC environment and 50,000 hours in a typical Non-IC environment.

ELECTRICAL

All electronics are mounted on the module; no access to the junction box is required.

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.

L7XLED T24 and L7XRLED T24 housings provide accommodation for dedicated LED installations.

Standard incandescent triac dimmers; dimming down to 25%. Compatible dimmer switches listed on page 2.

Lighting module should be installed in applications where ambient temperatures do not exceed 35°C. Ambient temperatures that exceed 35°C will result in reduced lamp life and will void warranty.

Standard input wattage is 12.3W, 50 lumens per watt.

INSTALLATION

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

LISTINGS

UL Listed to US safety standards. Wet location listed.

WARRANTY

Three-year limited warranty.

| |
|----------------|
| Catalog Number |
| Notes |
| Type |

6" LED Module



IC/Non-IC
New Construction/Remodel/Retrofit



Specifications

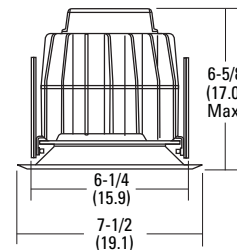
Aperture: 4-3/8 (11.1)

Ceiling opening: As rough-in

Overlap trim: 7-1/2 (19.1)

Height: 6-3/8 (16.2) max.

All dimensions are inches (centimeters).



ORDERING INFORMATION

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

Example: REAL6 D6MW

| REAL6 D6 | | Lumen output ¹ | Color temperature | Voltage | Options |
|----------------------|---|---------------------------|----------------------|---------------------|--|
| Series/Finish | | (blank) 600 lumens | (blank) 3000K | (blank) 120V | (blank) Module includes Edison base socket adapter; rough-in not included |
| Series | REAL6 D6 6" open downlight | | | | L7XLED T24 REALITY new construction rough-in ² |
| Finish | MW Matte white, open | | | | L7XRLED T24 REALITY remodel rough-in ² |
| | MW PF Matte white with plastic flange, open | | | | |
| | A Clear diffuse, open | | | | |
| | A PF Clear diffuse with plastic flange, open | | | | |
| | BLZ Black specular, open | | | | |
| | BLZ PF Black specular with plastic flange, open | | | | |
| | BN Brushed nickel, open | | | | |
| | ORB Oil-rubbed bronze, open | | | | |
| | BZA Antique bronze, open | | | | |
| | WT Wheat diffuse, open | | | | |

| Accessories: Order as separate catalog number. | |
|--|---|
| TSA6 | Makes non-bracket housings compatible with the LED module |
| FL2LED | Makes L7XF housings compatible with the LED module |



TSA6
Torsion spring adapter

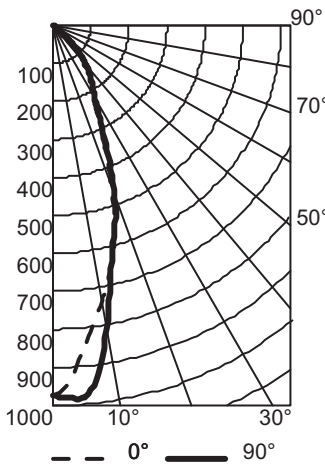
Notes

- Total system delivered lumens.
- Utilizes a quick-disconnect to make electrical connection to the module. Edison base socket not included. Meets Title 24 compliance.

6 Series REALITY™ 6" LED

PHOTOMETRICS

REAL6 D6MW, 3000K LEDS, 600 delivered lumens, 12.3 input watts, test no. LTL 18880



CP Summary

| | 0° | 90° |
|-----|-----|-----|
| 0° | 974 | 974 |
| 5° | 868 | 981 |
| 15° | 616 | 608 |
| 25° | 296 | 311 |
| 35° | 178 | 175 |
| 45° | 88 | 84 |
| 55° | 15 | 13 |
| 65° | 5 | 5 |
| 75° | 3 | 3 |
| 85° | 0 | 0 |
| 90° | 0 | 0 |

Coefficients of Utilization

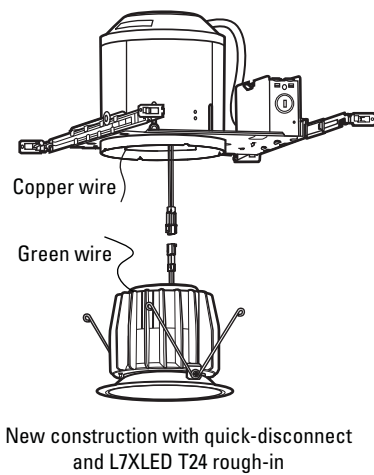
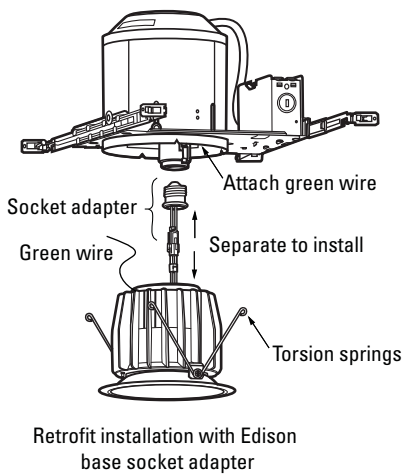
| pc | 20% | | | | | | | | |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 80% | | | 70% | | | 50% | | |
| pw | 70% | 50% | 30% | 50% | 30% | 10% | 50% | 30% | 10% |
| 0 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 |
| 1 | 113 | 110 | 108 | 108 | 106 | 104 | 104 | 102 | 101 |
| 2 | 108 | 103 | 98 | 101 | 97 | 94 | 98 | 94 | 92 |
| 3 | 102 | 95 | 90 | 94 | 89 | 85 | 91 | 87 | 84 |
| 4 | 97 | 89 | 83 | 88 | 83 | 79 | 86 | 81 | 78 |
| 5 | 92 | 83 | 77 | 82 | 77 | 73 | 81 | 76 | 72 |
| 6 | 87 | 78 | 72 | 77 | 72 | 68 | 76 | 71 | 67 |
| 7 | 83 | 74 | 67 | 73 | 67 | 63 | 72 | 66 | 63 |
| 8 | 79 | 69 | 63 | 69 | 63 | 59 | 68 | 63 | 59 |
| 9 | 75 | 66 | 60 | 65 | 60 | 56 | 64 | 59 | 55 |
| 10 | 72 | 62 | 57 | 62 | 56 | 53 | 61 | 56 | 52 |

Zonal Lumen Summary

| Zone | Lumens | % Lamp | % Fixture |
|------------|--------|--------|-----------|
| 0° - 30° | 400 | 66.6 | 66.6 |
| 0° - 40° | 510 | 84.9 | 84.9 |
| 0° - 60° | 592 | 98.6 | 98.6 |
| 0° - 90° | 600 | 100.0 | 100.0 |
| 90° - 180° | 0 | 0.0 | 0.0 |
| 0° - 180° | 600 | 100.0 | 100.0 |

Efficiency: 100.0%

INSTALLATION & DIMMING



| COMPATIBLE DIMMER SWITCHES | |
|----------------------------|------------------|
| MANUFACTURER | PART NO. |
| LITHONIA LIGHTING | ISDI |
| LEVITON | 6631 |
| | 6681 |
| | 6161 W (4 Level) |
| | IPI06 |
| | RPI06 |
| LUTRON | Dv-600PR-LA |
| | S-603PR-WH |
| | TG-600PH-IV |
| | TG-603PGH-WH |
| | TG-103PR-WH |

DIMENSIONS

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

