

FEATURES & SPECIFICATIONS

INTENDED USE — The 8" Wafer™ LED Downlight with switchable white technology provides high-quality light output and efficiency featuring a switch for easy color temperature adjustment - while eliminating the need for recessed housings. The innovative, slim design allows for easy remodel or new construction installation from below the ceiling. The LED module maintains at least 70% light output for 50,000 hours. The Wafer is ideal for use in light commercial, multi-family, assisted living, dormitories, hospitals, and hospitality.

CONSTRUCTION — Aluminum die cast outer frame, durable powder coat paint to prevent rust. Durable, powder coat paint to prevent rust. FT6 plenum rated cable connector to connect from module to remote driver box. IC rated driver with convenience and value of two remote selectable color temperature options, each with a setting choice to chose either 2700K, 3000K, and 3500K or 3000K, 4000K, and 5000K using the switch. The isolated driver integrated inside steel remote box with four 7/8" knockouts with slots for pryout. Suitable for pulling wires with the 12 cubic-inch wiring compartment to accommodate up to (6) 14 gauge insulated conductors; making the Wafer LED Downlights much easier to wire in 2in/2out (plus ground) daisy-chain applications and contractor friendly. Three "quick connect" push-in terminals included.

INSTALLATION — Ideal for shallow ceiling plenum; no housing required. Steel spring clip for easy installation. 6" cut out template provided to ensure correct sized hole is cut into ceiling for proper installation of the trim. Size of hole should not exceed 6 1/4 inches for this product. Suitable for installation in t-grid and drop ceiling applications with the WF8643 Pan. 2" plenum space required for installation of the remote driver box.

OPTICS — Edge-lit LED technology uses light guided plate to distribute light. Polycarbonate lens provides even illumination throughout the space.

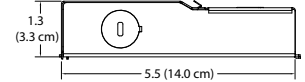
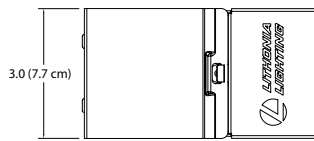
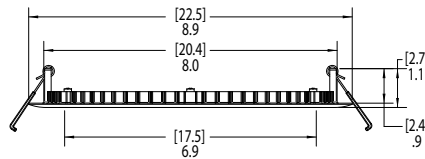
ELECTRICAL — Multi-volt (120-277V, 50/60Hz) proprietary remote LED Class-2 (CAN ICES-005 (B) / NMB-005 (B)) LED driver/splice box, with two (2) additional low-voltage wires for 0-10v dimming, down to 10% (depending on dimmer model and application). High efficient driver with power factor > 0.9. Ambient operating temperature: -40°F (-40°C) to +104°F (+40°C).

LISTINGS — CSA certified to Canadian and US Safety Standards. ENERGY STAR® certified product. Air Tight certified in accordance with ASTM E283-2004. Wet Location Listed. NOM Certified. Can be used to comply with California Title 24 Part 6 High Efficacy LED light Source Requirements.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

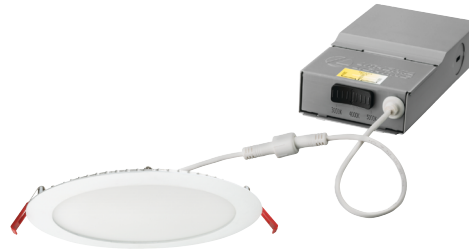
Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

| Specifications | |
|------------------|------------|
| Aperture: | 6.9 (17.5) |
| Ceiling opening: | 8 (20.4) |
| Overlap trim: | 8.9 (22.5) |
| Height: | 1.1 (2.7) |



Wafer™ LED Recessed Downlight WF8 MVOLT 8" LED SWITCHABLE WHITE COLOR TEMPERATURE

IC/Non-IC
New Construction/Remodel



ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: WF8 LED 30K40K50K MVOLT 90CRI MW

| WF8 Series | Lamp | CCT/CRI/W/Lumens ¹ | Voltage | CRI | Finish |
|------------------------------------|----------------|--|------------------------------------|--------------------|-----------------------|
| WF8 8" Wafer™ LED downlight | LED LED | 27K30K35K 2700K/20.5W/1630L 3000K/20.5W/1800L 3500K/20.5W/1740L 30K40K50K 3000K/20.5W/1690L 4000K/20.5W/1850L 5000K/20.5W/1820L | MVOLT Multi-Volt (120-277V) | 90CRI 90CRI | MW Matte white |

Accessories: Order as separate catalog number.

| | |
|--------------------|--------------------------------|
| WF8643 Pan U | Universal new construction pan |
| WFJB U | Remodel joist bar |
| WFEXC6 SW3PIN FT4 | 3-Pin 6ft Cable |
| WFEXC10 SW3PIN FT4 | 3-Pin 10ft Cable |
| WFEXC20 SW3PIN FT4 | 3-Pin 20ft Cable |



WF8643 Universal New Construction Pan



Joist



WFEXC6 Cable

Notes

1 Total system delivered lumens.

WF8 MVOLT SWITCHABLE WHITE 8" LED Wafer™ Module

ENERGY DATA

| WF8 LED 27K30K35K MVOLT | | | |
|-------------------------|------------------------------------|------------------------------------|------------------------------------|
| Color Temperature | 2700K | 3000K | 3500K |
| Lumens | 1630 | 1800 | 1740 |
| CRI | 90 | 90 | 90 |
| Rated wattage | 20.5 | 20.5 | 20.5 |
| Lu/Watts | 80 | 88 | 85 |
| Min. starting temp | -40°C (-40°F) | -40°C (-40°F) | -40°C (-40°F) |
| EMI/RFI | FCC Title 47 CFR, Part 15, Class B | FCC Title 47 CFR, Part 15, Class B | FCC Title 47 CFR, Part 15, Class B |
| Sound rating | Class A Standards | Class A Standards | Class A Standards |
| Input voltage | 120 - 277V | 120 - 277V | 120 - 277V |
| Min. power factor | 0.98 | 0.98 | 0.98 |
| Input frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz |
| Input power | 120 - 277V | 120 - 277V | 120 - 277V |
| Input current | 0.05A | 0.05A | 0.05A |

| WF8 LED 30K40K50K MVOLT | | | |
|-------------------------|------------------------------------|------------------------------------|------------------------------------|
| Color Temperature | 3000K | 4000K | 5000K |
| Lumens | 1690 | 1850 | 1820 |
| CRI | 90 | 90 | 90 |
| Rated wattage | 20.5 | 20.5 | 20.5 |
| Lu/Watts | 82 | 90 | 89 |
| Min. starting temp | -40°C (-40°F) | -40°C (-40°F) | -40°C (-40°F) |
| EMI/RFI | FCC Title 47 CFR, Part 15, Class B | FCC Title 47 CFR, Part 15, Class B | FCC Title 47 CFR, Part 15, Class B |
| Sound rating | Class A Standards | Class A Standards | Class A Standards |
| Input voltage | 120 - 277V | 120 - 277V | 120 - 277V |
| Min. power factor | 0.98 | 0.98 | 0.98 |
| Input frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz |
| Input power | 120 - 277V | 120 - 277V | 120 - 277V |
| Input current | 0.05A | 0.05A | 0.05A |

LIGHTING PERFORMANCE DATA

| LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE | |
|---|-------------|
| Light Appearance (CCT) Aspect de la lumière (CCT) | |
| 2700K soft white blanc doux | |
| 1630 lumens 80 lumens per watt | |
| 3000K warm white blanc chaud | |
| 1800 lumens 88 lumens per watt | |
| 3500K neutral white blanc neutre | |
| 1740 lumens 85 lumens per watt | |
| Watts | 20.5 |
| Color Accuracy (CRI) | 90 |
| Précision des couleurs (CRI) | |

| LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE | |
|---|-------------|
| Light Appearance (CCT) Aspect de la lumière (CCT) | |
| 3000K warm white blanc chaud | |
| 1690 lumens 82 lumens per watt | |
| 4000K cool white blanc froid | |
| 1850 lumens 90 lumens per watt | |
| 5000K daylight lumière du jour | |
| 1820 lumens 89 lumens per watt | |
| Watts | 20.5 |
| Color Accuracy (CRI) | 90 |
| Précision des couleurs (CRI) | |