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WHAT IS JA8?
Joint Appendix 8 of the Title 24 California’s residential Building Energy Efficiency Standards defines the requirements for the high efficacy lighting to be installed in Californian residential buildings as of January 1st, 2017.

WHAT HAS CHANGED?

• LIGHTING CONTROL REQUIREMENTS
  At least one JA8 light source in bathrooms, garages, laundry rooms and other utility rooms must be controlled by a vacancy sensor, and all lighting, in all rooms except hallways, must be controlled by dimmers or vacancy sensors.

• HIGH EFFICACY LIGHTING
  All areas of the residential buildings must be high efficacy, and all light sources must be identified as “efficient” under the 2016 Title 24 standards, including pin base CFL, GU24 CFL, and HID. No screw base sockets recessed downlights are permitted under the new standards.

• LED and JA8
  All dedicated LED fixtures that have been tested and approved by the California Energy Commission, therefore listed in the California Appliance Database, are JA8 compliant.

Decorative fixtures with a screw base socket, excluding recessed downlights, comply if a JA8-2016 or JA8-2016-E marked bulb is installed.

CONTRASTE’S JA8 PRODUCTS

The spirited and inspired look of Ardito trims integrates perfectly with bold or clean interiors, thanks to its wide variety of sizes, beams and color temperatures, as well as the many finishes offered for the distinguished and finely designed trims. Look and performance are allied in this elegant line, providing two performances for more flexibility.

Urbai’s classic and timeless lines achieve the perfect halogen lamp fixture replacement. This series benefits from Contraste’s 27 years of manufacturing recessed light fixtures. Designed to provide optimal performance along with visual comfort, Urbai is ideal for residential and soft commercial applications.
### JA8 2016 QUALIFICATION REQUIREMENTS FOR HIGH EFFICACY LIGHT SOURCES

<table>
<thead>
<tr>
<th>SPECIFICATION</th>
<th>REQUIREMENTS</th>
<th>CONTRASTE’S PERFORMANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Efficacy</td>
<td>≥ 45 lm/W</td>
<td>Up to 104 lm/W</td>
</tr>
<tr>
<td>Power Factor at Full Rated Power</td>
<td>≥ 0.90</td>
<td>Up to 0.99</td>
</tr>
<tr>
<td>Correlated Color Temperature (CCT)</td>
<td>Dedicated LED: ≤ 4,000K</td>
<td>2,700K, 3,000K, 3,500K, 4,000K</td>
</tr>
<tr>
<td>ΔUV</td>
<td>± 0.0033 or less</td>
<td>± 0.0015</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>≥ 90</td>
<td>90+ (93 typical)</td>
</tr>
<tr>
<td>R9</td>
<td>≥ 50</td>
<td>Up to 57</td>
</tr>
<tr>
<td>Rated Life</td>
<td>≥ 15,000 hours</td>
<td>50,000 hours</td>
</tr>
<tr>
<td>Minimum Dimming Level</td>
<td>≤ 10%</td>
<td>≤ 10%</td>
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<tr>
<td>Flicker</td>
<td>≤ 30% for 200Hz or below, at 100% and 20% light output</td>
<td>Below 15%</td>
</tr>
</tbody>
</table>

*‘CALIFORNIA LIGHTING TECHNOLOGY CENTER. WHAT’S NEW IN THE 2016 CODE RESIDENTIAL LIGHTING. Changes to mandatory lighting requirements in California’s 2016 Building Energy Efficiency Standards, Davis, University of California, Davis, 2016, pp2-3.*

<table>
<thead>
<tr>
<th>ROOM</th>
<th>VACANCY</th>
<th>DIMMER</th>
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<tbody>
<tr>
<td>Bathroom</td>
<td>At least one</td>
<td>Yes</td>
</tr>
<tr>
<td>Kitchen</td>
<td>Optional</td>
<td>Yes</td>
</tr>
<tr>
<td>Laundry and utility rooms</td>
<td>At least one</td>
<td>Yes</td>
</tr>
<tr>
<td>Garage</td>
<td>At least one</td>
<td>Yes</td>
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<tr>
<td>Hallways and closets</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>All other</td>
<td>Optional</td>
<td>Yes</td>
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</tbody>
</table>

*Please note this information applies to Contraste’s JA8 approved products. Lighting controls requirements per room and per light source type may apply for other manufacturers. For more information about Joint Appendix 8 and the California’s Building Energy Efficiency Standards code, visit energy.ca.gov/title24/2016standards.*
ROOM-BY-ROOM JA8 REQUIREMENTS

Bedrooms
High efficacy lighting controlled by dimmer or vacancy sensors.

Bathrooms
High efficacy lighting controlled by dimmer or vacancy sensors. At least one fixture controlled by vacancy sensor.

All other
High efficacy lighting controlled by dimmer or vacancy sensors.

Kitchens
High efficacy lighting controlled by dimmer or vacancy sensors.

Laundry and Utility Rooms
High efficacy lighting and at least one fixture controlled by vacancy sensors.

Hallways & closets
High efficacy lighting, vacancy sensors and dimmers not required.

Garage
High efficacy lighting and at least one fixture controlled by vacancy sensors.
TRIMS

CONTRASTE

FOR COMPLETE DETAILS SEE SPEC SHEETS OR BROCHURE AT WWW.CONTRASTLIGHTING.COM

UR3A
ROUND ADJUSTABLE TRIM

UR3B
SQUARE ADJUSTABLE TRIM

UR3D
ROUND ADJUSTABLE REGRESSED TRIM

UR3C
ROUND SHOWER TRIM

WITH CLEAR LENS

HOUSINGS

REUR3-120D1 (10W)
REMODEL IC
AIR TIGHT, TITLE 24
0-10V SINKING CONTROL (120V)

NWUR3-120D1 (10W)
NEW CONSTRUCTION IC
AIR TIGHT, TITLE 24
0-10V SINKING CONTROL (120V)

ISUR3-120D1 (10W)
ISUR3-120D2 (15W)
CLASSIC NEW CONSTRUCTION IC
AIR TIGHT, TITLE 24
0-10V SINKING CONTROL (120V)

REUR3-120D1 (10W)
REMODEL IC
AIR TIGHT, TITLE 24
0-10V SINKING CONTROL (120V)
For complete details see spec sheets or brochure at www.contrastlighting.com.

**TRIMS**

**UR4A**
ROUND ADJUSTABLE TRIM

**UR4E**
ROUND DOWNLIGHT REGRESSED TRIM

**UR4C**
ROUND SHOWER TRIM

**UR4B**
SQUARE ADJUSTABLE TRIM

**UR4J**
SQUARE DOWNLIGHT REGRESSED TRIM WITH SQUARE OPENING

**UR4D**
ROUND ADJUSTABLE REGRESSED TRIM

**UR4L**
SQUARE ADJUSTABLE REGRESSED TRIM WITH SQUARE OPENING

**UR4H**
SQUARE SHOWER TRIM WITH SQUARE OPENING

**HOUSINGS**

**REUR4-120D1** (10W)
REMODEL IC
AIR TIGHT, TITLE 24
0-10V SINKING CONTROL (120V)

**NWUR4-120D1** (10W)
NEW CONSTRUCTION IC
AIR TIGHT, TITLE 24
0-10V SINKING CONTROL (120V)

**ISUR4-120D1** (10W)
ISUR4-120D2 (15W)
CLASSIC NEW CONSTRUCTION IC
AIR TIGHT, TITLE 24
0-10V SINKING CONTROL (120V)
### URBAÏ COMPATIBILITY CHART

<table>
<thead>
<tr>
<th>TRIMS</th>
<th>CCT</th>
<th>CRI</th>
<th>BEAM</th>
<th>LENS</th>
<th>HOUSINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2,700K</td>
<td>3,000K</td>
<td>3,500K</td>
<td>4,000K</td>
<td>90+</td>
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<tr>
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<td>UR3D</td>
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<td>UR4C</td>
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<td>UR4J</td>
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<td>X</td>
<td>X</td>
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<td>X</td>
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<td>X</td>
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</tbody>
</table>

### URBAÏ TRIM FINISHES

- **-01** White
- **-04BR** Brushed Chrome
- **-11** Matte White
- **-12BR** Brushed Nickel
- **-13** Satin Nickel
- **-22** Matte Black
- **-25** Polar Grey

### URBAÏ REFLECTOR FINISHES

PAINTED

- **11** Matte White
- **22** Matte Black
- **AN** Natural Anodized Aluminum
**ARDITO JA8 round**

**TRIMS**

- **A2RFR**
  - ULTRA-THIN PROFILE ROUND REGRESSED TRIM

- **A2RFR-TR (FLANGELESS)**
  - ULTRA-THIN PROFILE ROUND REGRESSED TRIM

- **A2RAR**
  - ULTRA-THIN PROFILE ROUND ADJUSTABLE REGRESSED TRIM

- **A2RAR-TR (FLANGELESS)**
  - ULTRA-THIN PROFILE ROUND ADJUSTABLE REGRESSED TRIM

- **A2RSF**
  - ULTRA-THIN PROFILE ROUND REGRESSED SHOWER TRIM

  WITH CLEAR LENS

**HOUSINGS**

- **ICATOR2-ARV1 (14W)**
  - CLASSIC NEW CONSTRUCTION IC
  - AIR TIGHT, TITLE 24
  - 0-10V SINKING CONTROL (120V)
### TRIMS

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Specifications</th>
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<tbody>
<tr>
<td>A2SFR</td>
<td>Ultra-thin profile square regressed trim</td>
<td>2,700K, 3,000K, 3,500K, 4,000K</td>
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<tr>
<td>A2SAR</td>
<td>Ultra-thin profile square adjustable regressed trim</td>
<td>L - 45˚, M - 24˚, V - 60˚</td>
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<tr>
<td>A2SSF</td>
<td>Ultra-thin profile square regressed shower trim</td>
<td>14W, 1375 lm</td>
</tr>
</tbody>
</table>

### HOUSINGS

**ICAT0S2-ARV1** (14W)
- Classic new construction IC
- Air tight, Title 24
- 0-10V sinking control (120V)
ARDITO JA8 round 3.5"

**TRIMS**

For complete details see spec sheets or brochure at www.contrastlighting.com

**A3RAF**
Ultra-thin profile round adjustable trim

**A3RAF-TR** (flangeless)
Ultra-thin profile round adjustable trim

**A3RAR**
Ultra-thin profile round adjustable regressed trim

**A3RAR-TR** (flangeless)
Ultra-thin profile round adjustable regressed trim

**A3RFR**
Ultra-thin profile round regressed trim

**A3RFR-TR** (flangeless)
Ultra-thin profile round regressed trim

**A3RSF**
Ultra-thin profile round regressed shower trim

**A3RSF-TR** (flangeless)
Ultra-thin profile round regressed shower trim

**HOUSINGS**

ICAT6R3-ARV1 (14W) / ICAT6R3-ARV2 (23W)
Classic new construction IC
Air tight, Title 24
0-10V sinking control (120V)
ARDITO JA8 square

3.5"

TRIMS

FOR COMPLETE DETAILS SEE SPEC SHEETS OR BROCHURE AT WWW.CONTRASTLIGHTING.COM

A3SAR
ULTRA-THIN PROFILE SQUARE ADJUSTABLE REGRESSED TRIM

A3SAR-TR (FLANGELESS)
ULTRA-THIN PROFILE SQUARE ADJUSTABLE REGRESSED TRIM

A3SFR
ULTRA-THIN PROFILE SQUARE REGRESSED TRIM

A3SFR-TR (FLANGELESS)
ULTRA-THIN PROFILE SQUARE REGRESSED TRIM

A3SSF
ULTRA-THIN PROFILE SQUARE REGRESSED SHOWER TRIM

A3SSF-TR (FLANGELESS)
ULTRA-THIN PROFILE SQUARE REGRESSED SHOWER TRIM

HOUSINGS

ICAT6S3-ARV1 (14W) / ICAT6S3-ARV2 (23W)
CLASSIC NEW CONSTRUCTION IC
AIR TIGHT, TITLE 24
0-10V SINKING CONTROL (120V)
ARDITO JA8 round

TRIMS

A4RAF
ULTRA-THIN PROFILE ROUND ADJUSTABLE TRIM

A4RAF-TR (FLANGELESS)
ULTRA-THIN PROFILE ROUND ADJUSTABLE TRIM

A4RAR
ULTRA-THIN PROFILE ROUND ADJUSTABLE REGRESSED TRIM

A4RAR-TR (FLANGELESS)
ULTRA-THIN PROFILE ROUND ADJUSTABLE REGRESSED TRIM

A4RFR
ULTRA-THIN PROFILE ROUND REGRESSED TRIM

A4RFR-TR (FLANGELESS)
ULTRA-THIN PROFILE ROUND REGRESSED TRIM

A4RSF
ULTRA-THIN PROFILE ROUND REGRESSED SHOWER TRIM

A4RSF-TR (FLANGELESS)
ULTRA-THIN PROFILE ROUND REGRESSED SHOWER TRIM

HOUSINGS

ICAT6R4-ARV1 (14W) / ICAT6R4-ARV2 (23W)
CLASSIC NEW CONSTRUCTION IC
AIR TIGHT, TITLE 24
0-10V SINKING CONTROL (120V)
A4SAR
ULTRA-THIN PROFILE SQUARE ADJUSTABLE REGRESSED TRIM

A4SFR
ULTRA-THIN PROFILE SQUARE REGRESSED TRIM

A4SSF
ULTRA-THIN PROFILE SQUARE REGRESSED SHOWER TRIM

A4SAR-TR (FLANGELESS)
ULTRA-THIN PROFILE SQUARE ADJUSTABLE REGRESSED TRIM

A4SFR-TR (FLANGELESS)
ULTRA-THIN PROFILE SQUARE REGRESSED TRIM

A4SSF-TR (FLANGELESS)
ULTRA-THIN PROFILE SQUARE REGRESSED SHOWER TRIM

FOR COMPLETE DETAILS SEE SPEC SHEETS OR BROCHURE AT WWW.CONTRASTLIGHTING.COM

ICAT6S4-ARV1 (14W) / ICAT6S4-ARV2 (23W)
CLASSIC NEW CONSTRUCTION IC
AIR TIGHT, TITLE 24
0-10V SINKING CONTROL (120V)
### ARDITO COMPATIBILITY CHART

<table>
<thead>
<tr>
<th>TRIMS</th>
<th>CCT</th>
<th>CRI</th>
<th>BEAM</th>
<th>LENS</th>
<th>HOUSINGS</th>
</tr>
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<tr>
<td></td>
<td>2,700K</td>
<td>3,000K</td>
<td>3,500K</td>
<td>4,000K</td>
<td>90+</td>
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<td>X</td>
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</tr>
</tbody>
</table>

### ARDITO TRIM FINISHES

-03 Gold Plated 24K
-04 Chrome
-04BR Brushed Chrome
-11 Matte White
-12BR Brushed Nickel
-13 Satin Nickel
-22 Matte Black
-25 Polar Grey (only with 2.5" trims)

### ARDITO REFLECTOR FINISHES

**PAINTED**
- AN Natural Anodized Aluminum
- 11 Matte White
- 22 Matte Black

**SPECULAR**
- BK Black
- CL Clear

*Available only with Round trims*
LITZ (LED ADJUSTABLE DOWNLIGHT) TRIM FINISHES

- 11 Matte White
- 13 Satin Nickel
- 22 Matte Black

FOR COMPLETE DETAILS SEE SPEC SHEETS OR BROCHURE AT WWW.CONTRASTLIGHTING.COM
**LEGEND**

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
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<tr>
<td><img src="image" alt="MG" /></td>
<td>MARINE GRADE</td>
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</tbody>
</table>

**MARINE GRADE TREATMENT** – 2-year warranty on finish

This option increases the painted finishes resistance by reducing and delaying apparition and propagation of oxidation (ex: rust and others).

MARINE GRADE treatment is recommended for damp to wet locations.

Unless otherwise indicated, trims are for interior use. Also suitable for cold and exterior locations, as in soffits, where fixtures are not subject to direct rain or snow exposure.

**WARNING** – This option is not suitable for saline environments and/or highly corrosive areas such as soffits in coastal regions and natatoriums. Such usage would void warranty on the product.
CONTRASTE

CORPORATE HEADQUARTERS
1009, rue du Parc Industriel
Lévis (Québec) G6Z 1C5 Canada

Tel.: 1-888-839-4624
Fax.: 1-877-839-7057
info@contrastlighting.com
contrastlighting.com

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