



HALO®

Recessed Lighting

California T20-2019 Summary

Residential Lighting Standards Overview

Effective: July 1, 2019



Surface LED Luminaire



LED Adjustable Downlight



LED Downlight

2019 Overview of Residential Lighting Standards

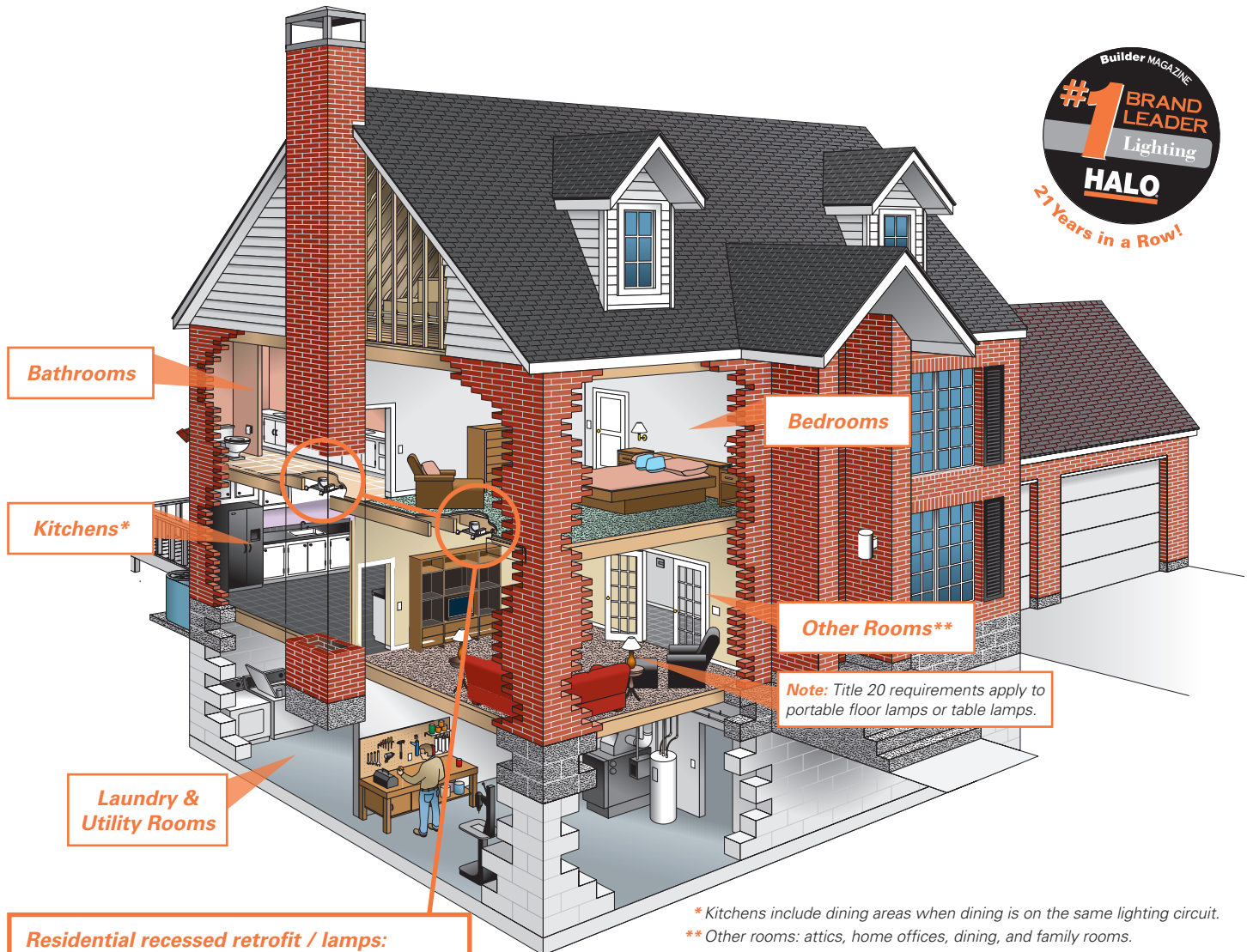
Effective: July 1, 2019

HALO LED Recessed Lighting offers among the largest selection of recessed LED luminaires that meet Title 20 compliance requirements. The models are T20 Certified to the California Energy Commission Appliance Efficiency Database and marked.

Refer to cacertappliances.energy.ca.gov/Pages/ApplianceSearch.aspx and search "Lighting Products" under category for the complete list of models.

LED lamps produced after July 1, 2019 and are required to meet the compliance efficacy score of 297. The score is determined by $LpW + 2.3 \times (CRI) \geq 297$.

All HALO LED retrofit products are available for customers selling into California that require T20 compliant versions. HALO can provide product that has the improved efficacy or product that was produced before the July 1, 2019 date.



Residential recessed retrofit / lamps:

- Screwbased socket
- Certified airtight label per ASTM E283 test standards
- High efficacy LED lamps must meet minimum 297 lumens

* Kitchens include dining areas when dining is on the same lighting circuit.

** Other rooms: attics, home offices, dining, and family rooms.

Vacancy sensor: Manual on/automatic off occupancy sensor.
Must be certified by the manufacturer to the CA Energy Commission Title 20 Appliance Efficiency Regulations.

Dimmer: Must be certified by the manufacturer to the CA Energy Commission Title 20 Appliance Efficiency Regulations.

RL Series

4" & 5"/6" LED Downlight



- RL4: 600 lumens, 7.2 Watts
- RL4: 900 lumens, 10.2 Watts
- RL56: 600 lumens, 7.6 Watts
- RL56: 900 lumens, 10.1 Watts
- RL56: 1200 lumens, 17.6 Watts
- Dedicated CCT: 3000K, 3500K
- SeleCCTable CCT - select from 5 CCTs via switch: 2700K, 3000K, 3500K, 4000K, 5000K
- 90 CRI
- Rated for use in Type IC, airtight, Halo LED housings
- Accessory trims: White, Satin Nickel, and Tuscan Bronze finishes
- Dimmable to 5% with select dimmers
- Damp and wet location listed (shower rated)
- AIR-TITE certified per ASTM-E283-04
- Diffusing, regressed lens
- Flicker Free per JA10
- R9 >50
- Five-year warranty



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RA Series

4" & 5"/6" LED Adjustable Downlight



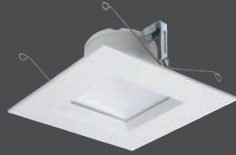
- RA4: 600 lumens, 7.0 Watts
- RA56: 627 lumens, 7.0 Watts
- Dedicated CCT: 3000K
- SeleCCTable CCT - select from 5 CCTs via switch: 2700K, 3000K, 3500K, 4000K, 5000K
- 90 CRI
- Adjustable gimbal; 35° tilt, up to 360° rotation
- Rated for use in Type IC, airtight, Halo LED housings
- Beam distribution options: NFL (Narrow Flood 25°) and VWFL (Very Wide Flood 80°)
- Dimmable to 5% with select dimmers
- Damp location listed
- AIR-TITE certified per ASTM-E283-04
- Field replaceable driver
- Flicker Free per JA10
- R9 >50
- Five-year warranty



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RSQ Series

4", 5" & 6" Square LED Downlight



- RSQ4: 800 lumens, 9.7 Watts
- RSQ5: 800 lumens, 9.6 Watts
- RSQ6: 800 lumens, 9.7 Watts
- Dedicated CCT: 2700K, 3000K, 3500K, 4000K
- SeleCCTable CCT - select from 5 CCTs via switch: 2700K, 3000K, 3500K, 4000K, 5000K
- 90 CRI
- Rated for use in Type IC, airtight, Halo LED housings
- Accessory trims: White, Satin Nickel, and Tuscan Bronze finishes
- Dimmable to 5% with select dimmers
- Damp and wet location listed (shower rated)
- AIR-TITE certified per ASTM-E283-04
- Diffusing, regressed lens
- Flicker Free per JA10
- R9 >50
- Five-year warranty



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SMD Series

4" & 6" Round & Square Surface Mount



- Surface Mount to standard and fire-rated 4"x2-1/8" junction box
- May be used in 4", 5", or 6" Type IC, airtight Halo LED Housing
- SMD4: up to 810 lumens
- SMD6: up to 815 lumens
- Wattage: 9.5W - 10.3W (per size, CRI, and CCT); 120V
- 2700K, 3000K, 3500K, 4000K, and 5000K CCT, 90 CRI
- Accessory trims: White, Satin Nickel, and Tuscan Bronze finishes
- Damp and wet location listed (shower rated)
- Flicker Free per JA10
- R9 >50
- Five-year warranty

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LT Series

4" & 5"/6" LED Retrofit Module



- LT4: 600 lumens, 7.2 Watts
- LT56: 600 lumens, 8.1 Watts
- 2700K, 3000K, 5000K CCT, 90 CRI
- Rated for use in Type IC, airtight, Halo LED housings
- Dimmable to 10% with select dimmers
- Damp and wet location listed (Shower rated)
- AIR-TITE certified per ASTM-E283-04
- Flicker Free per JA10
- R9 >50
- Five-year warranty

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LA Series

4" & 5"/6" LED Adjustable Retrofit



- LA4: 600 lumens, 7.2 Watts
- LA56: 600 lumens, 7.2 Watts
- 2700K, 3000K, 5000K CCT, 90 CRI
- Adjustable gimbal; 35° tilt, up to 360° rotation
- Rated for use in Type IC, airtight, Halo LED housings
- Dimmable to 10% with select dimmers
- Damp and wet location listed (Shower rated)
- AIR-TITE certified per ASTM-E283-04
- Flicker Free per JA10
- R9 >50
- Five-year warranty

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BLD Series

4" & 6" Surface LED Downlight



- Surface mount to standard and fire-rated 4" x 2-1/8" junction boxes
- May be used in 4", 5", or 6" Type IC, airtight, Halo LED housings
- BLD4: 712 lumens, 8.1 Watts
- BLD6: 812 lumens, 9.5 Watts
- Dedicated CCT: 3000K
- SeleCCTable CCT - select from 5 CCTs via switch: 2700K, 3000K, 3500K, 4000K, 5000K
- 90 CRI
- Flicker Free per JA10
- R9 >50
- Five-year warranty



Lighting Product Lines

Ametrix
AtLite
Corelite
Ephesus
Fail-Safe
HALO
HALO Commercial
Invue
io
IRiS
Lumark
Lumière
McGraw-Edison
Metalux
MWS
Neo-Ray
Portfolio
RSA
Shaper
Streetworks
Sure-Lites

Controls Product Lines

Greengate

Connected Lighting Systems

Fifth Light (Canada Only)
HALO Home
WaveLinx

IoT Platform

Trellix



Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
cooperlighting.com

Canada Sales
5925 McLaughlin Road
Mississauga, Ontario L5R 1B8
P: 905-501-3000
F: 905-501-3172



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Product availability, specifications,
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