# SQUARE SMALL APERTURE RECESSED DOWN LIGHT

## 4509-LED-ZH

Single lamp, solid state light engine, recessed nominal 2.5" (64mm) aperture down light. Flood aperture with low brightness parabolic reflector. General downlighting in medium ceiling heights typically found in residential, commercial and retail applications.

## SPECIFICATIONS

**HOUSING**
- Precision die-formed heavy gauge aluminum

**MOUNTING**
- Recessed in architectural ceiling- Max ceiling thickness- 1". Consult factory for custom.

**ELECTRICAL**
- Integral dimmable electronic driver with internal short circuit protection

**LAMP**
- Citizen or AmbientDim™ LED supplied with fixture

**SOCKET**
- Precision aluminum machined lampholder assembly

**LENS**
- Interchangeable reflector provides multiple beam patterns
- Optional borosilicate lenses available for aperture
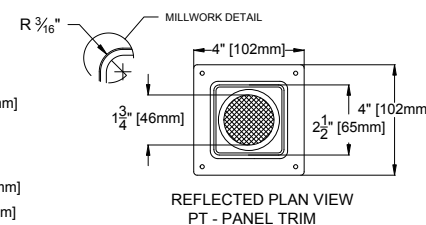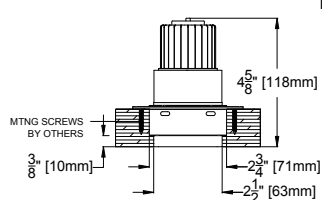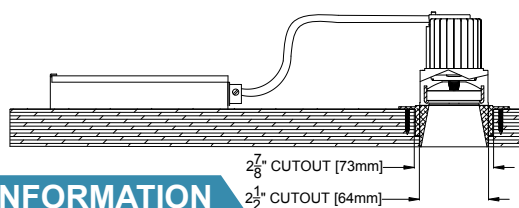
**TRIM**
- Anodized aluminum reflector cone

**FINISH**
- Aperture trim available in black and white as standard
- Additional colors, RAL palette, custom finishes available

**LABELS**
- CSA, US tested to UL standards 1598, Damp location, Wet with ST trim



REFLECTED PLAN VIEW
ZT - ZERO TRIM

3¼" [83mm] CUTOUT

4¾" [120mm]

2⅝" [66mm]

4" [102mm]

4" [102mm]

1¾" [46mm]

DRIVER ENCLOSURE

3⅛" CUTOUT [80mm]

4¾" [121mm]

2⅞" [71mm]

3½" [90mm]

REFLECTED PLAN VIEW
FT - FLANGED TRIM
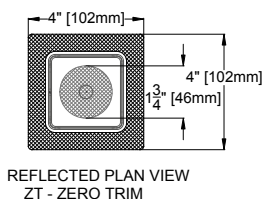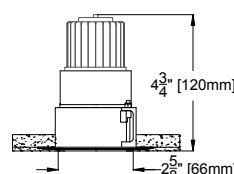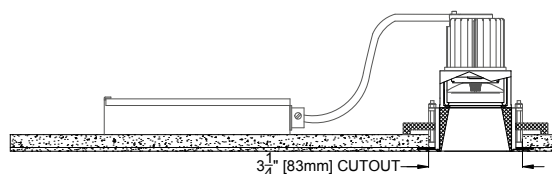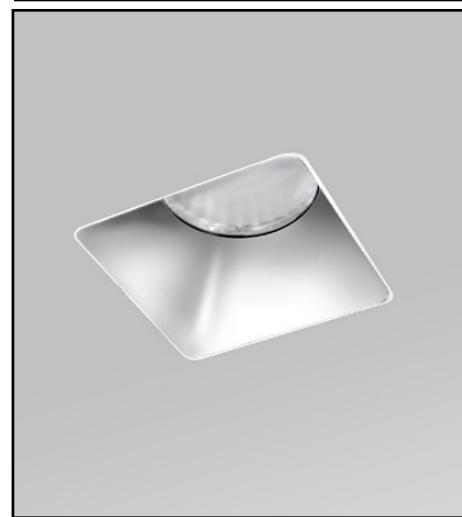
1⅞" [48mm]

3½" [90mm]

2½" [64mm]

2⅞" CUTOUT [73mm]

2½" CUTOUT [64mm]

R ³⁄₁₆"

MILLWORK DETAIL

4⅝" [118mm]

MTNG SCREWS BY OTHERS

⅜" [10mm]

2¾" [71mm]

2½" [63mm]

REFLECTED PLAN VIEW
PT - PANEL TRIM

4" [102mm]

1¾" [46mm]

4" [102mm]

2½" [65mm]
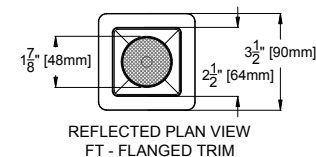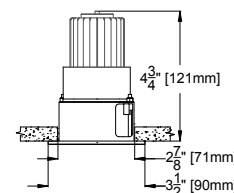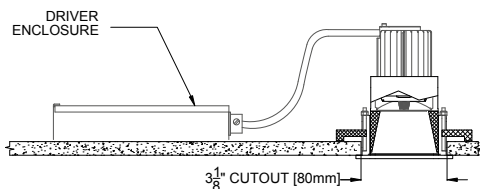
## ORDERING INFORMATION

| 4509-LED-ZH | TRIM | DRIVER / SOURCE | BEAMSPREAD | TRIM FINISH | APERTURE LENS |
|---|---|---|---|---|---|
| | | / | | | |
| Zero Housing<br>**9** = 90+CRI  **27** = 2700K<br>**30** = 3000K<br>**35** = 3500K<br>**40** = 4000K<br><br>**AD** = Ambient Dim<br>Max 3000K-1900K | **FT**=Flanged Trim<br>**ST**=Shower Trim*<br>**ZT**=Zero Trim<br>**PT**=Panel Trim<br><br>*Aperture lens required | **CZ14**=120-277v, 14W 1650lm<br>**AD14**=350ma, 14.5W,1000lm<br><br>**C1** =0-10V dimming, 1%, 120-277V<br>**C2** =TRIAC/ELV 2-wire, 1% 120v (Lead/Trail Edge)<br>**E1** =EldoLED 0-10V Logarithmic Dim, 0.1%, 120-277v<br>**E2** =EldoLED DALI, 0.1%, 120-277v<br>**E3** =EldoLED 0-10V Linear Dim, 0.1%, 120-277v<br>**L2** =Lutron Hi-lume 1% 2-wire LED driver (120v forward phase)<br>**LTB** =Lutron Hi-lume 1% EcoSys LED driver, 1%, 120-277v, Soft-on, Fade-to-Black<br>**LTP =**Lutron Hi-lume Premier 0.1%, Fade-to-Black digital Ecosystem, 120-277v (PEQ0) | **10** = 10 Degrees<br>**20** = 20 Degrees | **CAA** = Clear (FA)<br>**GAA** = Gold (FA)<br>**P14** = White<br>**BLK**=Black<br>**PXX** = SLI Color<br>**CST** = Custom | **Blank**= None<br>**79A=** Veiling Acrylic<br>**91A=** Solite<br>**93A=** Frosted |

*ELDO and Lutron are remote mounted

SpecialtyLighting

Patent Pending. These specifications subject to change without notice.

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