Recessed Lighting transforms an interior into an environment with subtle effects or dramatic enhancements. A room’s unique structure, texture and design comes alive with well placed lighting. A simple office space becomes an efficient, professional place of work. A corner room becomes a cozy, comfortable den. Recessed lighting can accomplish all these tasks without intruding into the interior space.

Halo Lighting gives you the tools to create the exact interior environment you envision. Effective lighting for functional applications, dramatic lighting for decorative enhancements, as well as versatile lighting for long term utility.

For assurance of quality and performance, attention to detail and unmatched customer service, look to Cooper Lighting
HALO RECESSED LIGHTING - New Products

**H3 - A new dimension in Lighting**

The H3 offering provides a NEW DIMENSION IN LIGHTING. The H3 family with ultra compact trims of only 3" aperture and in a variety of finishes - some classic like White or Black and some new like Satin Nickel, Antique Copper and Tuscan Bronze. Eight brand new housings satisfy every installation need from new construction to remodel with features designed for quick installation such as GOT NAIL!™ bar hangers and Slide-N-Side™ junction boxes.

**Metallic Finishes**

Halo offers trims in new metallic finishes to add drama and flair to recessed installations. A variety of trims are now offered in lustrous Satin Nickel, Antique Copper and Tuscan Bronze. All trim choices with these finishes are shown throughout this catalog.

**Energy Star Housings**

Halo offers compact fluorescent housings that are Energy Star Qualified and California Title 24 compliant. These housings are constructed with energy efficient electronic ballasts, Insulated Ceiling capability and AIR-TITE™ construction. Styles are available for new construction and remodel work. Look for the 5” H570 series and the 6” H270 series.

**Expanded ALL-PRO™**

The ALL-PRO™ line of recessed housings and trims continues to grow and this section has been considerably expanded with more trim styles and new housing choices including 5” aperture, IC, AIR-TITE, No-Socket-Bracket and now Slope Ceiling housings.

**Compact Fluorescent Commercial Grade**

The Halo commercial grade compact fluorescent offering has been expanded with new housings and with new features including universal voltage electronic ballasts for reliable and energy efficient operation.

**PDS - Performance Downlight System**

PDS is a family of 6”, 7” and 8” downlights designed to provide visually comfortable optics and energy efficiency with in-stock availability. Three key elements - reflector; socket adapter with ballast; and frame can be combined in a variety choices to create a luminaire that is “just right” for a specific lighting task.
For greater energy conservation, AIR-TITE fixtures combine the benefits of IC fixtures with an ability to prevent air leakage from heated or air conditioned areas of a house into the unconditioned attic areas. Air is forced through small openings by changes in air pressure, temperature and humidity and this air exchange from conditioned to unconditioned areas can create higher heating and air conditioning costs. By sealing all openings in and around the fixture, Halo AIR-TITE units stop the flow of air through the housing and contribute to the design of highly efficient homes.

Insulated Ceiling (IC) type fixtures can be installed in direct contact with ceiling insulation. This allows the insulation layer to remain unbroken and prevent heating and air conditioning losses. These housings are also equipped with thermal protectors to guard against overlamping by cycling the lamp off and on until the problem is corrected.

Standard thermally protected type “T” housings can be used in insulated or uninsulated ceilings. When installed in a ceiling with insulation, the insulation must be kept 3” from all sides of the unit and there must be a least 1” clearance from the top of the fixture to any ceiling material. The integral thermal protector on most Halo recessed fixtures provides positive protection against misuse of ceiling insulation and overlamping by cycling the lamp on and off until the problem is corrected. Some Halo fixtures are thermally protected with an insulation detector or with Class P ballasts. To meet specific municipal standards, many fixtures carry an “IP” rating.

Many of the recessed housings in this catalog are suited for commercial applications especially the H42, H44, H46 and H800 Series compact fluorescent housings. PDS fixtures also lend themselves to commercial work. These fixtures offer higher wattages and improved lamp cut-off design. Trim choices include downlights, adjustables and wall washers.
TYPES OF RECESSED HOUSINGS

4" H99ICT  SMALL APERTURE
Small aperture housings are best suited for task and accent lighting especially over counters and in display areas. Small aperture housings are offered in standard non-IC, IC, AIR-TITE and remodel styles.

6" H7RICT  REMODEL
Remodel housings simplify installation when fixtures need to be added to existing ceilings. They can be installed from below in existing ceilings by cutting a hole, bringing power to the fixture and installing the housing. The spring clips lock the fixture in place and they can accommodate ceiling material of 1/2" and 5/8" thick. The integral thermal protector provides positive protection against overlampng and allows an IP rating.

6" H27T  SHALLOW HOUSING
Shallow housings are designed to solve installation problems where 2" x 6" joist construction is used in the ceiling. These housings are available in either standard or remodel units and accept a wide variety of trims for different lighting effects.

6" H745ICAT  SLOPE CEILING
Slope or "cathedral" type ceilings require special housings to keep the lamp aimed straight down rather than following the slope of the ceiling. A lamp aiming mechanism in these fixtures allows the lamp to be aimed vertically in ceiling slopes ranging from 2/12 to 12/12 (the first number refers to the amount of "drop" per 12 inches of horizontal measurement). A built-in slope indicator provides quick and consistent lamp settings (factory set for 3/12 slope).
TYPES OF TRIMS

Reflectors
Reflector trims create wide light patterns and maximize the efficiency of the light source. They are especially well suited for use with economical general service "A" lamps and energy efficient compact fluorescent lamps. Gold finished reflectors add warmth and black reflectors minimize glare.

Reflector Cones
Reflector cones are generally shorter and are designed for use with reflector style (R, BR and PAR lamps). They direct the full output of these lamps to the illumination task.

Baffles
Baffle trims trap and shape light to minimize glare and reduce ceiling brightness. Baffles narrow the focus of the downlighting beam and control reflector style lamps (R, BR and PAR lamps).

Eyeballs/Adjustables
These trims provide precise, variable direction lighting. They are especially useful for directing light to accent areas, wall hangings, mantels and task areas.

Wall Washers
Wall Wash trims provide vertical surface illumination. Special reflectors allow both wallwashing and downlighting. Depending on the light source and fixture positioning, these trims will provide uniform, scalloped or non-uniform lighting patterns.

Lens and Diffusers
Lenses and diffusers are designed to soften and direct the light of economical general service "A" lamps. Some trims can be used as shower lights and others are specifically designed for use as closet lights.

Open Trims
The simplest and most economical choice for recessed downlighting, open trims create an attractive finished look without compromising the natural efficiency of reflector style lamps.
Ambient lighting high wattage reflectors

Compact fluorescent reflectors provide pleasing energy efficient lighting in the kitchen

Lighting over a fireplace with wall wash trims

Accenting collectibles with focused reflectors
LISTING AND RATING CHOICES

Rising energy costs are a fact of life and lighting fixtures play a twofold role in the energy equation –besides the lamps and fixtures themselves, their effect on heating and air conditioning costs must also be considered.

IC and AIR-TITE Fixtures
If lighting fixtures are being installed in an insulated attic area, choose IC (Insulated Ceiling) or for additional benefits choose ICAT (Insulated Ceiling AIR-TITE) fixtures. These fixtures allow you to maintain an unbroken layer of insulation and AIR-TITE fixtures seal all openings between attic spaces and heated or air conditioned living spaces.

AIR-TITE Fixtures
Standard recessed housings allow 5.0 cubic ft per minute of air leakage to escape into unconditioned spaces. AIR-TITE fixtures prevent this leakage by sealing all air pathways between living areas and attic spaces. Sealed housing can be completely covered in insulation.

Super-Trim–The Halo Super-Trim (catalog #30) makes an IC housing AIR-TITE. Simply add the SUPER TRIM to an IC fixture and enjoy the additional benefits of an AIR-TITE fixture.

Additional benefits include:
• Reduce sound transmission between rooms
• Save money by reducing heating and air conditioning bills
• Prevent moisture damage to ceilings
• Eliminates drafts for greater comfort

ENERGY STAR/Title 24
The Halo H570 and H270 series of recessed housings are Energy Star Qualified - representing the most desirable characteristics of energy efficiency-electronic ballast, dedicated compact fluorescent lamp sockets and Insulated Ceiling AIR-TITE construction. These fixtures are also California Title 24 compliant and can be used in any part of the house under Title 24 guidelines. A wide choice of trims for achieving different lighting effects completes this offering.

Wet Location Listed Showerlights
Halo, ALL-PRO and PDS offer wet location listed trims designed for use over tubs and in showers. These trims have lamps that are behind either a lens or diffuser. The trim ring and other items that are exposed to water vapor are usually manufactured of non-conductive and non-corrosive materials to provide long life. These fixtures also are suited for porches and breeze way areas.
A lensed and gasketed wet location listed trim is a perfect choice for outdoor applications to keep away moisture and insects.

Halo housings and trims can meet the special needs posed by a sloped ceiling installation in an insulated ceiling. An AIR-TITE installation also helps reduce energy costs.

AIR-TITE housings and trims reduce drafts and sound transmission. The many different styles means that no lighting or decor compromises have to be made.

Halo, ALL-PRO and PDS offer a variety of wet location listed trims for use in showers.
Halo gives you the tools to create the exact interior environment you envision. Choose from apertures as small as three inches to the most popular 6” H7 series to larger scales for more demanding commercial work. Selections from ALL PRO and PDS round out the choices available for every type of application.
TRIM CHOICES-FINISHES

Reflectors are offered in several finishes including:
- Clear Specular - For most efficient light transmission
- Gold - Provides a touch of warmth to the area being illuminated
- Haze or Matte - provides a softer illumination
- White - Very effective with compact fluorescent lamps

Baffles
Available in either black for the most effective shielding or white for an inconspicuous daytime appearance.

Decorator Finishes
Many trims are offered in a wide choice of painted or plated finishes to either blend in with an existing decor or to make a well defined decorating statement. The newest finishes include Satin Nickel, Antique Copper and Tuscan Bronze.

Rounds or Squares
Besides round aperture trims, Halo also includes a number of square trims that reinforce rectilinear decor lines. Squares are available in the new three inch aperture H3 as well as the 9" H1 and 11" H2 series.
GOT NAIL!™ easily handles regular lumber and even frozen lumber. The Pass-N-Thru feature of the bar hangers allows them to be shortened for use in tight spots without removing from the plaster frame. Push bars together and flex at score lines until excess can be removed.

Engineered I-joists are no problem. The nail is precisely positioned to go into the center portion of the flange for maximum support.

Laminated beams and laminated veneer beams are tough composites of wood and glue but they don’t stop the Halo GOT NAIL!™.

Safety and Guidance System prevents snagging, ensures smooth, straight nail penetration and allows removal and reinstallation. Automatic Leveling Flange of the bar hanger aligns the housing and lets you hold the housing in place with one hand while driving the nails.

The Halo GOT NAIL!™ can even be hammered into the open spots of open web joist plates.

The Integral T-Bar Clip snaps into position on T-grid members. NO ACCESSORY CLIPS REQUIRED. The bar hanger can be secured with wire or reinforced with a screw if required by local codes. The bar hanger design allows true side-by-side mounting.

The bottom slot or hole can be used with screws (The final position of the housing can be adjusted side to side almost a full inch to align with ceiling cutouts).

Easy nail removal and reinstallation. If the housing has to be removed and repositioned, place a claw hammer in the bar hanger slot and pull out. The bar hanger will not be damaged.

For metal framing, the bar hanger may be ordered with a self tapping screw (will accommodate nut driver, phillips head or slotted drivers).

Alternate mounting holes (★) included for bottom mounting, wire hanging or reinforcing screws in T-grid ceiling members.

Note: GOT NAIL!™ Hanger Bars included on select Halo models. Not all Halo models equipped with GOT-NAIL!™ style Hanger Bars.

Note: Features of the Halo GOT NAIL! system are patented or patent pending.
INSTALLATION FRIENDLY FEATURES - SLIDE-N-SIDE™ JUNCTION BOX

Slide-N-Side Junction box with even more contractor friendly features allows use of different size sheathed cables and allows wiring connections to be made outside the j-box. Accommodates the following standard non-metallic sheathed cable sizes: (US) #14/2, #14/3, #12/2, #12/3, (Canada) #14/2, #14/3, #12/2

Make all wiring connections outside the junction box. There's plenty of room and there's no need to guess at how much cable you need to cut beforehand.

Snap cover shut and wiring is complete. Junction boxes include three wire traps to simplify feed through wiring.

Slide cables in place. Cable is held securely without need for additional fasteners.

Halo junction boxes include easy pry outs for use with rigid conduit or metallic cable.

Note: Slide-N-Side™ Junction Box included on select Halo models. Not all Halo models equipped with Slide-N-Side™ style Junction boxes. Note: Features of the Halo Slide-N-Side system are patented or patent pending.