

DESCRIPTION - H4 LED DOWNLIGHT TRIMS - UPDATE

Halo H4 LED family consists of 4" recessed downlights with EL4 Series LED Light Engines and TL4 and TLS4 Series LED Trims designed for installation in H4 LED series housings with integral LED dimmable drivers. Halo LED Downlight Trims are offered in lensed baffles and reflectors; and wet location shower rated models. TL4 and TLS4 Series LED Trims are compatible with 1st Gen - EL4058x and 2nd Gen - EL4069x downlight LED light engines. Halo LED offers high quality, fit, finish, and performance in an energy-efficient, high-efficacy downlight.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

MECHANICAL

Baffles and Reflectors

- Precision formed aluminum
- Reflector Finishes offered in White, Specular Clear, Haze, Specular Black, Satin Nickel, and Tuscan Bronze
- Baffle Finishes offered in White and Black

Trim Rings

- Durable die-cast aluminum
- Precision keyed slots designed to lock with matching keyed bosses in H4 LED Light Engine
- Works with LED Light Engine's heat sink to provide further thermal conduction away from the LED
- Standard finishes offered in White, Black, Satin Nickel, and Tuscan Bronze.
- Optional, thin profile designer trim rings offered in White, Black, Satin Nickel, Tuscan Bronze, and Polished Chrome finishes.
- Thin profile designer trim rings provide subtle ceiling appearance. Thickness dimensions: 0.120" at OD and 0.180" at ID.

FEATURES

- Superior optical design provides high lumen output, smooth beam distribution, and good visual comfort
- Precision design and materials for a high-quality fit and finish
- Multiple trim options allow Halo H4 LED recessed downlights to be used in a wide range of interior spaces
- High-quality standard and plated finishes
- Diffuse dome polymer lens models offer a familiar "bulb-like" appearance, and are impact resistant
- Solite® lensed trims offer high-clarity glass for high-lumen transmission along with a subtle diffusion of source brightness
- Solite® and Diffuse Dome Lensed models are UL/cUL listed for Wet Location, protected ceilings, and are IP66 Ingress Protection rated for dust and water
- Polymer shower trim features a non-electrically conductive plastic "dead front". One piece baffle and ring, and lens are formed from plastics - special polymers to meet Halo performance and quality standards.

- H4 LED trims offer ENERGY STAR® Qualification when used with designated Halo H4 LED Light Engines*
- Can be used to meet State of California Title 24 and International Energy Conservation Code – IECC High Efficacy requirements when used with designated LED Light Engines*

Warranty

Cooper Lighting provides a five year limited warranty on Halo LED Luminaires which includes the LED Recessed Housing, LED Light Engine, and LED trims. (Subject to all of the limitations set forth in Cooper Lighting Terms and Conditions of sale. Refer to www.cooperlighting.com.)



H4 LED Downlight Trims

TL402, TL403, TL408, TL409, TL410, TL411, TL422

4-Inch LED Trims

FOR USE WITH 1st GEN EL4058xx AND 2ND GEN EL4069xx LED LIGHT ENGINES AND 1ST GEN H455, H456 SERIES AND 2ND GEN H457 SERIES 4" LED HOUSINGS

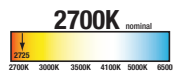
Complete fixture consists of LED Housing, LED Light Engine and LED trim.

High Efficacy LED

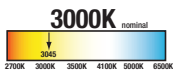


Compatible with H4 LED Light Engines 1st Generation

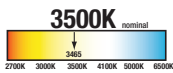
Model Color Temperature



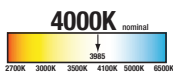
EL405827 2700K



EL405830 3000K



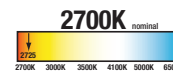
EL405835 3500K



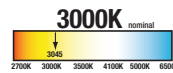
EL405840 4000K

Compatible with H4 LED Light Engines 2nd Generation

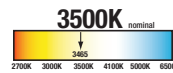
Model Color Temperature



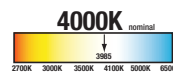
EL406927 2700K



EL406930 3000K



EL406935 3500K



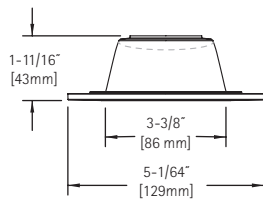
EL406940 4000K



*Qualified & Compliant as designated with LED Light Engine and Trim. Refer to ENERGY STAR® Qualified Products List and CEC (T24) Appliance Database for listings.

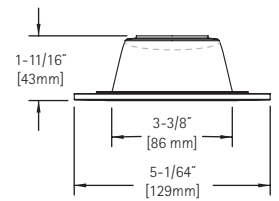
H4 LED 2ND GENERATION DOWNLIGHT SERIES – LED TRIMS

DEEP REGRESSED REFLECTOR AND BAFFLE TRIMS WITH DIFFUSE POLYMER DOME LENS



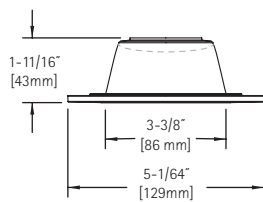
TL410SC

Specular Clear Reflector, Diffuse Dome (polymer) Lens, White Ring



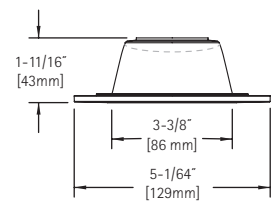
TL410H

Haze Reflector, Diffuse Dome (polymer) Lens, White Ring



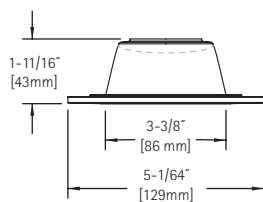
TL410WH

White Reflector, Diffuse Dome (polymer) Lens, White Ring



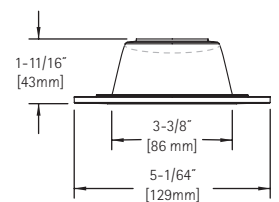
TL410SBK

Specular Black Reflector, Diffuse Dome (polymer) Lens, White Ring



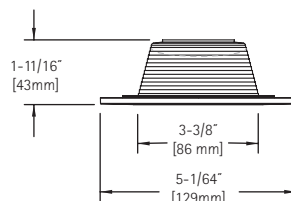
TL410SN

Satin Nickel Reflector, Diffuse Dome (polymer) Lens, Satin Nickel Ring



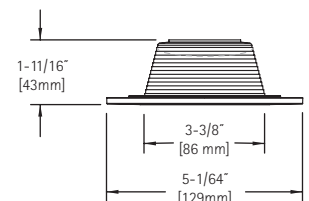
TL410TBZ

Tuscan Bronze Reflector, Diffuse Dome (polymer) Lens, Tuscan Bronze Ring



TL411WB

White Baffle, Diffuse Dome (polymer) Lens, White Ring



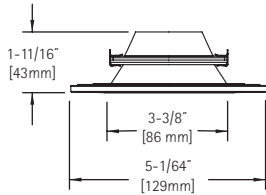
TL411BB

Black Baffle, Diffuse Dome (polymer) Lens, White Ring

H4 LED 2ND GENERATION DOWNLIGHT SERIES – LED TRIMS

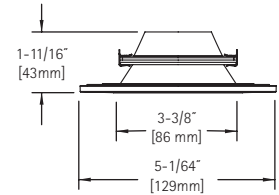
REFLECTOR AND BAFFLE TRIMS WITH SOLITE® GLASS LENS

Wet Location Listed For Shower Applications



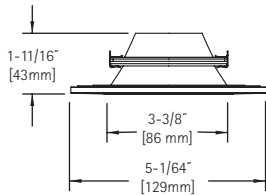
TL402SCS

Specular Clear Reflector with Solite® Glass Lens, White Ring



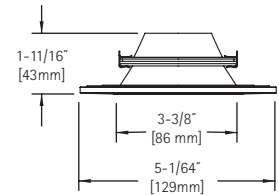
TL402HS

Haze Reflector with Solite® Glass Lens, White Ring



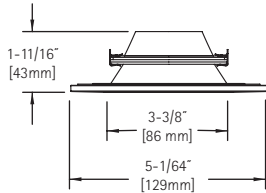
TL402WHS

White Reflector with Solite® Glass Lens, White Ring



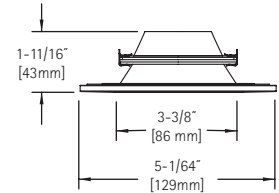
TL402SBKS

Specular Black Reflector with Solite® Glass Lens, White Ring



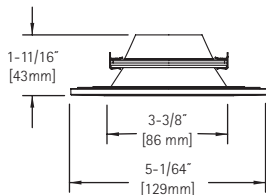
TL402SNS

Satin Nickel Reflector with Solite® Glass Lens, Satin Nickel Ring



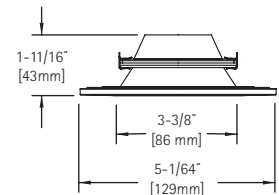
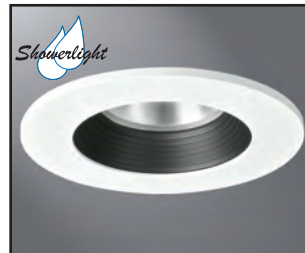
TL402TBZS

Tuscan Bronze Reflector with Solite® Glass Lens, Tuscan Bronze Ring



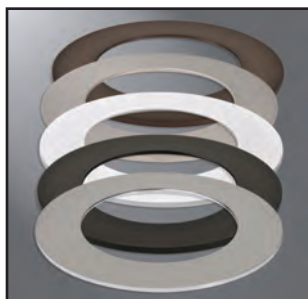
TL403WBS

White Baffle with Solite® Glass Lens, White Ring



TL403BBS

Black Baffle with Solite® Glass Lens, White Ring



TRM400

Designer Trim Rings

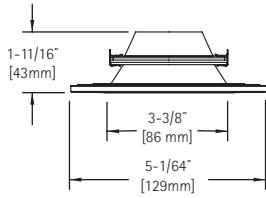
- Optional accessory
- Die-cast trim ring
- Thin Profile provides subtle ceiling appearance (.120" at OD and .180 at ID)
- For use with TL4 round trims (not compatible with TLS4 square trims)

TRM400TBZ	Tuscan Bronze	TRM400BK	Black
TRM400SN	Satin Nickel	TRM400PC	Polished Chrome
TRM400WH	White		

H4 LED 2ND GENERATION DOWNLIGHT SERIES – LED TRIMS

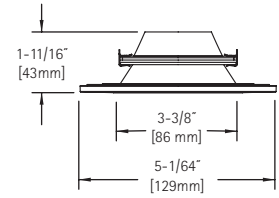
SQUARE SOLITE® GLASS LENS BAFFLE TRIMS

Wet Location Listed For Shower Applications



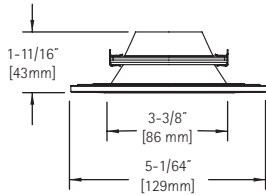
TLS408WHWB

Square Baffle Trim with Solite® Glass Lens, White Baffle, White Ring



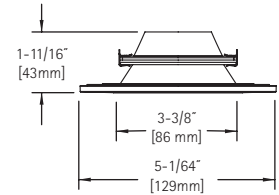
TLS408WHBB

Square Baffle Trim with Solite® Glass Lens, Black Baffle, White Ring



TLS408SNBB

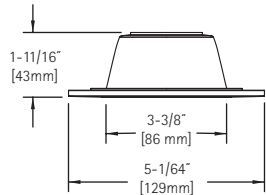
Square Baffle Trim with Solite® Glass Lens, Black Baffle, Satin Nickel Ring



TLS408TBZBB

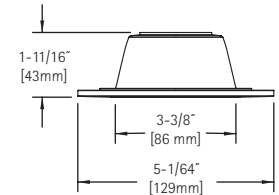
Square Baffle Trim with Solite® Glass Lens, Black Baffle, Tuscan Bronze Ring

WALL WASH TRIMS



TL409WW

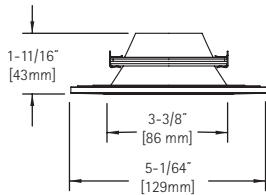
Wall Wash Downlight - Semi-Specular Clear Reflector with Specular Wall Wash Optic, Diffuse Polymer Lens and White Ring



TL409WHWW

Wall Wash Downlight - White Reflector with Specular Wall Wash Optic, Diffuse Polymer Lens and White Ring

POLYMER "DEAD FRONT" SHOWER TRIM



TL422PS

One-piece White Polymer (polymer) Baffle, Ring, and Prismatic Lens formed from special polymers. Shower Trim front is Non-Electrically Conductive "Dead-Front".

H4 LED 2nd Generation Trims - Lumen and Energy Code Summary

H4 LED Downlight Collection - 2nd Generation

Trim Type	Trim Model	EL406927 2700K				EL406930 3000K				EL406935 3500K				EL406940 4000K			
		LUMENS (1)	ENERGY STAR (2)	California T24 (3)	IECC & WSEC (4)	LUMENS (1)	ENERGY STAR (2)	California T24 (3)	IECC & WSEC (4)	LUMENS (1)	ENERGY STAR (2)	California T24 (3)	IECC & WSEC (4)	LUMENS (1)	ENERGY STAR (2)	California T24 (3)	IECC & WSEC (4)
Specular Reflector, Diffuse Polymer Lens	TL410SC	660	YES	YES	YES	720	YES	YES	YES	730	YES	YES	YES	810	YES	YES	YES
Haze Reflector, Diffuse Polymer Lens	TL410H	650	YES	YES	YES	710	YES	YES	YES	720	YES	YES	YES	800	YES	YES	YES
White Reflector, Diffuse Polymer Lens	TL410WH	630	YES	YES	YES	690	YES	YES	YES	700	YES	YES	YES	770	YES	YES	YES
Specular Black Reflector, Diffuse Polymer Lens	TL410SBK	460	NO	NO	NO	500	NO	NO	NO	510	NO	NO	NO	560	YES	NO	YES
Satin Nickel Reflector, Diffuse Polymer Lens	TL410SN	560	YES	NO	YES	610	YES	YES	YES	620	YES	YES	YES	680	YES	YES	YES
Tuscan Bronze Reflector, Diffuse Polymer Lens	TL410TBZ	450	NO	NO	NO	500	NO	NO	NO	510	NO	NO	NO	560	YES	NO	YES
White Baffle, Diffuse Polymer Lens	TL411WB	647	YES	YES	YES	690	YES	YES	YES	700	YES	YES	YES	770	YES	YES	YES
Black Baffle, Diffuse Polymer Lens	TL411BB	450	NO	NO	NO	490	NO	NO	NO	500	NO	NO	NO	550	NO	NO	YES
Solite® Glass Lens Specular Clear Reflector	TL402SCS	710	YES	YES	YES	770	YES	YES	YES	780	YES	YES	YES	860	YES	YES	YES
Solite® Glass Lens Haze Reflector	TL402HS	740	YES	YES	YES	810	YES	YES	YES	820	YES	YES	YES	900	YES	YES	YES
Solite® Glass Lens White Reflector	TL402WHS	710	YES	YES	YES	780	YES	YES	YES	790	YES	YES	YES	870	YES	YES	YES
Solite® Glass Lens White Baffle	TL403WBS	700	YES	YES	YES	760	YES	YES	YES	780	YES	YES	YES	850	YES	YES	YES
Solite® Glass Lens Specular Black Reflector	TL402SBKS	650	YES	YES	YES	710	YES	YES	YES	720	YES	YES	YES	800	YES	YES	YES
Solite® Glass Lens Satin Nickel Reflector	TL402SNS	660	YES	YES	YES	720	YES	YES	YES	730	YES	YES	YES	800	YES	YES	YES
Solite® Glass Lens Tuscan Bronze Reflector	TL402TBZS	630	YES	YES	YES	690	YES	YES	YES	700	YES	YES	YES	770	YES	YES	YES
Solite® Glass Lens Black Baffle	TL403BBS	630	YES	YES	YES	690	YES	YES	YES	700	YES	YES	YES	770	YES	YES	YES
Square Baffle Trim, Solite® Glass Lens, White Ring & White Baffle	TL408WHWB	680	YES	YES	YES	740	YES	YES	YES	750	YES	YES	YES	830	YES	YES	YES
Square Baffle Trim, Solite® Glass Lens, White Ring & Black Baffle	TL408WHBB	640	YES	YES	YES	710	YES	YES	YES	720	YES	YES	YES	790	YES	YES	YES
Square Baffle Trim, Solite® Glass Lens, Satin Nickel Ring & Black Baffle	TL408SNBB	660	YES	YES	YES	720	YES	YES	YES	730	YES	YES	YES	800	YES	YES	YES
Square Baffle Trim, Solite® Glass Lens, Tuscan Bronze Ring & Black Baffle	TL408TBZBB	630	YES	YES	YES	690	YES	YES	YES	700	YES	YES	YES	770	YES	YES	YES
Wall Wash, Semi-Specular Reflector with Diffuse Polymer Lens & White Ring	TL409WW	640	YES	YES	YES	700	YES	YES	YES	710	YES	YES	YES	780	YES	YES	YES
Wall Wash, White Reflector, with Diffuse Polymer Lens & White Ring	TL409WHWW	640	YES	YES	YES	710	YES	YES	YES	720	YES	YES	YES	790	YES	YES	YES
White Baffle Shower Trim, All Polymer: Lens, Baffle & Ring	TL422PS	680	YES	YES	YES	750	YES	YES	YES	760	YES	YES	YES	840	YES	YES	YES

(1) Trims are tested with designated LED Light Engines in accordance with IES LM-79 Photometric Measurement Standards

(2) Tested and qualified to ENERGY STAR® standards, consult the ENERGY STAR® Qualified Products List

(3) May be used for California Title 24 compliance, and registered with State of California; consult the CEC Title 20 Appliance Database

(4) May be used for IECC - International Energy Conservation Code and WSEC - Washington State Energy Code

ORDERING INFORMATION

SAMPLE NUMBER: H457ICAT1E - EL406930 - **TL410SC**

Complete unit includes H4 LED housing, light engine and trim; ordered separately.

Housing: Refer to housing specification sheets for specification and details.

Light Engine: H4 LED Downlight Light Engines EL406 Series are compatible with this complete collection of H4 LED Downlight Trims.

(Note H4 LED Adjustable Gimbals are available. The H4 Adjustable Gimbals feature an integral trim and light engine, and are not compatible with H4 LED downlight trims. Refer to Adjustable Gimbal Light Engine specification sheets for details.

Trim Options	Accessories
<p>TL410SC = Specular Clear Reflector, Diffuse Polymer Dome Lens, White Ring, Shower Rated</p> <p>TL410H = Haze Reflector, Diffuse Polymer Dome Lens, White Ring, Shower Rated</p> <p>TL410WH = White Reflector, Diffuse Polymer Dome Lens, White Ring, Shower Rated</p> <p>TL410SN = Satin Nickel Reflector, Diffuse Polymer Dome Lens, Satin Nickel Ring, Shower Rated</p> <p>TL410TBZ = Tuscan Bronze Reflector, Diffuse Polymer Dome Lens, Tuscan Bronze Ring, Shower Rated</p> <p>TL410SBK = Specular Black Reflector, Diffuse Polymer Dome Lens, White Ring, Shower Rated</p> <p>TL411WB = White Baffle, Diffuse Polymer Dome Lens, White Ring, Shower Rated</p> <p>TL411BB = Black Baffle, Diffuse Polymer Dome Lens, White Ring, Shower Rated</p> <p>TL402SCS = Specular Clear Reflector, Solite® Glass Lens, and White Ring, Shower Rated</p> <p>TL402HS = Haze Reflector, Solite® Glass Lens, and White Ring, Shower Rated</p> <p>TL402WHS = White Reflector, Solite® Glass Lens, and White Ring, Shower Rated</p> <p>TL402SNS = Satin Nickel Reflector, Solite® Glass Lens, and Satin Nickel Ring, Shower Rated</p> <p>TL402TBZS = Tuscan Bronze Reflector, Solite® Glass Lens, and Tuscan Bronze Ring, Shower Rated</p> <p>TL402SBKS = Specular Black Reflector, Solite® Glass Lens, and White Ring, Shower Rated</p> <p>TL403WBS = White Baffle, Solite® Glass Lens, and White Ring, Shower Rated</p> <p>TL403BBS = Black Baffle, Solite® Glass Lens, and White Ring, Shower Rated</p> <p>TLS408WHWB = Square Baffle Trim, Solite® Glass Lens, White Ring with White Baffle, Shower Rated</p> <p>TLS408WHBB = Square Baffle Trim, Solite® Glass Lens, White Ring with Black Baffle, Shower Rated</p> <p>TLS408SNBB = Square Baffle Trim, Solite® Glass Lens, Satin Nickel Ring with Black Baffle, Shower Rated</p> <p>TLS408TBZBB = Square Baffle Trim, Solite® Glass Lens, Tuscan Bronze Ring with Black Baffle, Shower Rated</p> <p>TL409WW = Wall Wash, Semi-Specular Clear Reflector with White Ring, Shower Rated</p> <p>TL409WHWW = Wall Wash, White Reflector with White Ring, Shower Rated</p> <p>TL422PS = Polymer "Dead Front" White Baffle & Regressed Lens, White Ring, Shower Rated</p>	<p>Thin Profile Designer Trim Rings <i>For use with Round TL4 trims (not compatible with Square TLS4 trims)</i></p> <p>TRM400WH = White</p> <p>TRM400BK = Black</p> <p>TRM400SN = Satin Nickel</p> <p>TRM400TBZ = Tuscan Bronze</p> <p>TRM400PC = Polished Chrome</p>

Solite® is a registered trademark of AGC Flat Glass North America

Note: Specifications and Dimensions subject to change without notice.

Visit our web site at www.cooperlighting.com