HALO

DESCRIPTION

The Halo Surface LED Downlight (SLD) incorporates WaveStream™ technology to create an ultra-low profile surface mounting luminaire with the performance and look of a traditional downlight. SLD6 is designed for installation in many 3-1/2" and 4" square, octagon or round junction boxes. And may also retrofit in 5" and 6" IC and Non-IC recessed housings.* Suitable for residential or commercial installations. Ideal for closets, storage areas, attics and basements. Compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5).

Catalog #		Type	
Project			
Comments		Date	
Prepared by			

SPECIFICATION FEATURES

CONSTRUCTION
- Die cast aluminum trim ring, and die formed aluminum frame

OPTICS
- WaveStream™ technology provides uniform luminance from a low profile flat lens
- AccuAim™ optics provide directional control for the "cone-of-light" beam distribution of a traditional downlight.
- Precision molded lens features high transmission polymer with UV stabilized protecting film

DESIGNER TRIMS
Accessories (sold separately)
SLD designer trims are accessory rings that attach to the SLD for a permanent finish. Refer to SLD accessories specification sheet for details.
- White (Paintable)
- Satin Nickel
- Tuscan Bronze

ELECTRICAL JUNCTION BOX MOUNTING
- SLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- Suitable for installation in many 3-1/2" and 4" square, octagon, and round electrical junction boxes
  Note: Driver consumes 3 cubic inches of junction box
- Surface mounting in a fire-rated ceiling using an appropriate electrical box offers a cost-effective alternative to fire-rated recessed housings
  Note: Fire-rating is per the rating of the ceiling and applicable junction box, not the SLD.
- Installer must ensure compatibility of fit, wiring and proper mounting in the electrical junction box. This includes all applicable national and local electrical and building codes
- Proprietary Slot-N-Lock quick installation system for junction box installation
- T-bracket with Slot-N-Lock mounting tabs included

RECESSED HOUSING MOUNTING
- May be installed in IC recessed housings in direct contact with insulation
- * **Note:** Not for use in recessed housings in direct contact with spray foam insulation. Refer to NEMA LSD 57-2013

Torsion Spring 5" & 6"
- Optional precision formed torsion spring bracket kit is included
- The torsion springs adjust on the frame to fit 5" or 6" compatible housings

Friction Blade 5" & 6"
- Optional precision formed friction blades included
- For retrofit in 5" and 6" housings without torsion spring mounting tabs
- Friction blade design allows the SLD to be installed in any position within the housing aperture (360 degrees)

LED
- Trilateral linear LED assembly is integrated in trim perimeter
- Color Temperature: 2700K, 3000K, 3500K, 4000K
- CRI options: 80 and 90
  - 90 CRI can be used for California Title 24 compliance/ certified to Title 20
  - 80 CRI can be used to comply with California Title 24 Non-Residential Lighting Controls as a LED luminaire.
- L70 at 50,000 hours projected in accordance with TM-21

WARRANTY
Cooper Lighting provides a five year limited warranty on the SLD LED

LED CHROMATICITY
- A tight chromaticity specification ensures LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated Color Temperature (CCT) over the useful life of the LED
- LED chromaticity of 3 SDCM exceeds ENERGY STAR® color standards per ANSI.
- 90 CRI model features high color performance with R9 greater than 50
- Every Halo LED is quality tested, measured, and serialized in a permanent record to register lumens, wattage, CRI and CCT.
- Halo LED serialized testing and measurement ensures color and lumen consistency on a per-unit basis, and validates long-term product consistency over time

ELECTRICAL CONNECTIONS
Junction Box
- Compatible with 3-1/2" x 2" and 4" x 1-1/2" deep round, square and octagon boxes (2-1/8" deep boxes recommended)
- Supply Wire Adapter with LED quick connector included

Recessed Housings
- LED connector is compatible with Halo 5" H550 Series and 6" H750 Series LED Housings
- LED Connector meets California Title-24 high-efficacy luminaire standard as a non-screw base
- The included E26 Edison screw-base adapter provides capability for retrofit
- LED connector is a non-screwbase luminaire disconnect for tool-less installation

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SLD 600 Series
SLD6068xxWH
80CRI
2700K, 3000K, 3500K, and 4000K

SLD6069xxWH
90CRI
2700K, 3000K, 3500K, and 4000K

6" Surface LED Downlight

Suitable for ceiling or wall electrical junction boxes

Suitable for 5" & 6" recessed housing retrofit (IC, Non-IC & AIR-TITE™)

ENERGY DATA

	80 CRI	90 CRI
Lumens (4000K models)	800	780
Input Voltage	120V	120V
Frequency	50/60 Hz	50/60 Hz
Input Current	0.10 A	0.11 A
Input Power	12.2 W	13.2 W
Efficiency (4000K models)	66 lm/W	59 lm/W
THD	≤ 20%	
Power Factor	≥ 0.90	
T Ambient	-30 - +40°C	
Sound Rating	Class A	

NOMENCLATURE

S L D 606 8 30 WH
- **606** = 6" SLD 600 Series
- **8** = >80 CRI
- **30** = 3000K
- **WH** = Matte White

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80 CRI nominal CCT 2700K 3000K 3500K 4000K

ENERGY STAR | Can be used for IECC International Energy Conservation Code High Efficacy Compliance | Can be used to comply with T24 California Non-Residential Lighting Controls requirements | Can be used for WSEC Washington State Energy Code High Efficacy Compliance | RoHS Compliant | air-tite | Showerlight
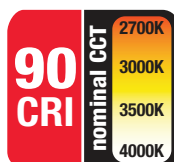
Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 Non-Residential Lighting Controls requirements as a LED Luminaire.

90 CRI nominal CCT 2700K 3000K 3500K 4000K

ENERGY STAR | Can be used for IECC International Energy Conservation Code High Efficacy Compliance | T24 Can be used to comply with California Title 24 High Efficacy requirements / T20 Certified to California Title 20 Appliance Database | Can be used for WSEC Washington State Energy Code High Efficacy Compliance | RoHS Compliant | air-tite | Showerlight

Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.
Certified to California Title 20 Appliance Efficiency Database.

EAT·N
Powering Business Worldwide

HALO

LED DRIVER
- Driver is a 120V input, high efficiency, dimmable electronic power supply providing DC power to the LED array
- Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or internal failure
- Driver is replaceable if it should be required

DIMMING
- Designed for continuous dimming capability to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers. Dimming to 5% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note some dimmers require a neutral in the wallbox.)

COMPLIANCE
- cULus Listed ceiling and wall
- cULus Damp Location listed ceiling and wall
- cULus Wet Location Listed, ceiling only (shower rated)
- Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5)
- SLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- May be installed in IC recessed housings in direct contact with insulation (Not for use in recessed housings in direct contact with spray foam insulation. Refer to NEMA LSD 57-2013)
- UL Classified when used in retrofit with listed housings (See Housing Compatibility)
- EMI/RFI: meets FCC 47CFR Part 15 Class B limits, and is suitable for use in residential and commercial installations

- Airtight certified per ASTM E283 (not exceeding 2.0 CFM under 57 Pascals pressure difference)
- 90 CRI: Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Title 20 Appliance Efficiency Database.
- 80 CRI: Can be used to comply with California Title 24 Non-Residential Lighting Controls requirements as a LED luminaire.
- Can be used for International Energy Conservation Code (IECC) and Washington State Energy Code high efficiency luminaire compliance
- ENERGY STAR® certified luminaire - consult ENERGY STAR® Certified Product List
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79
- Lumen maintenance projections in accordance with IES LM-80 and TM-21

SLD 600 Series
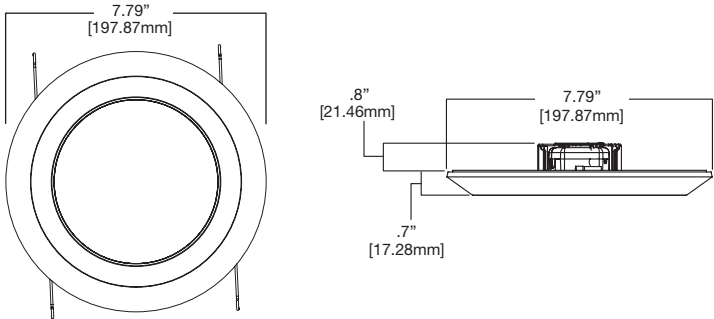
SLD6068xxWH
80CRI
2700K, 3000K, 3500K, and 4000K

SLD6069xxWH
90CRI
2700K, 3000K, 3500K, and 4000K

6" Surface LED Downlight

Suitable for ceiling or wall electrical junction boxes

Suitable for 5" & 6" recessed housing retrofit (IC, Non-IC & AIR-TITE™)

DIMENSIONS

7.79" [197.87mm]

.8" [21.46mm]

7.79" [197.87mm]

.7" [17.28mm]

ORDERING INFORMATION

SAMPLE NUMBER: SLD606927WH SLD6TRMSN
Junction Box Installation: Order junction box separately, as supplied by others, to complete installation.
Recessed Installation: Order Halo recessed housing separately to complete installation.

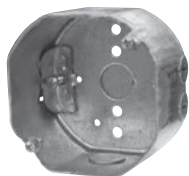| Models	Color Rendering Index	Color Temperature (CCT)	Finish	Accessories
SLD606= 6" Surface LED Downlight, 120V 600 Series	**8**=80 CRI **9**=90 CRI	**27**=2700K **30**=3000K **35**=3500K **40**=4000K	**WH**=White	Designer Trims Fit over the SLD for a designer finish **SLD6TRMSN**=6" SLD Satin Nickel **SLD6TRMTBZ**=6" SLD Tuscan Bronze **SLD6TRMWH**=6" SLD White (paintable) J-Box Spacer Extension Ring Add 15/16" depth when SLD driver cannot fit into installed junction box **SLD6EXT**=6" Surface LED J-Box Extender, 9.5" O.D. RAD Adapters When junction box is mounted flat on a ceiling or beam surface (not recessed in ceiling) **SLD6RAD**=6" SLD Round Surface J-Box Adapter, 7.92" O.D. (for 4-inch round or octagon junction boxes.) **SLD6SADPLT**=6" SLD Square Surface J-Box Adapter Plate (For 4-inch square junction boxes, use with SLD6RAD.) Spare Parts **SLD6ACCKIT**=6" Accessory Parts Replacement Kit (Screwbase adapter, torsion springs, friction blades) **SLD6BRKT**=6" Junction Box Bracket & Screws Refer to SLD Accessories specification sheet for further information.

HALO

HOUSING COMPATIBILITY

The SLD6 is UL Listed in Halo and All-Pro recessed housings, and is UL Classified for use with **any** 5 or 6 inch diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 107.9 in³ in addition to those noted below.

Note: Some other's housings require installation with included friction clips.

Compatible Halo LED Housings with LED luminaire connector (high-efficacy compliant)		
HALO LED	**Recessed Can Size**	**Catalog Number**
	5"	H550ICAT, H550RICAT
	6"	H750ICAT, H750RICAT, H750T, H750RINTD010, H750TCP, H2750ICAT

Halo LED Retrofit Enclosures		
HALO	**6"**	ML7BXRFK, ML7E26RFK

Compatible Halo Incandescent E26 Screwbase Housings		
HALO	**5"**	H5ICAT, H5RICAT, H5T, H5RT, H5TM, H25ICAT
	6"	H7ICAT, H7RICAT, H7ICT, H7RICT, H7ICATNB, H7ICTNB, H7T, H7RT, H7TNB, H7TCP, H7UICT, H7UICAT, H27ICAT, H27RICAT, H27ICT, H27RICT, H27T, H27RT

Compatible All-Pro Incandescent E26 Screwbase Housings		
ALL-PRO	**5"**	EI500AT, EI500RAT, ET500, ET500R
	6"	EI700AT, EI700RAT, EI700, EI700R, EI700ATNB, EI700NB, EI700U, EI700UAT, ET700, ET700R, EI2700AT, EI2700, EI2700R, ET2700, ET2700R

HALO

COMPATIBLE WITH EATON'S CROUSE-HINDS JUNCTION BOXES

TP316
for non-metallic cable
4" x 4" x 2-1/8"
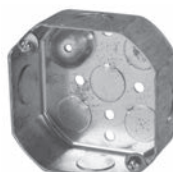(102mm x 102mm x 54mm)

TP317
for metal clad cable
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)

- **TP316 -** for non-metallic cable
- **TP317 -** for metal clad cable
- UL Listed
- Suitable for two-hour fire-rated ANSI/UL 263 when properly
  installed in a fire-rated ceiling or wall
- Refer to www.crouse-hinds.com

COMPATIBLE WITH MANY OTHER JUNCTION BOXES*

**4" octagon light fixture/fan
steel box**
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)

4" octagon steel box
4" x 4" x 1-1/2"
(102mm x 102mm x 38mm)

4" square deep steel box
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)

**4" square standard
steel box**
4" x 4" x 1-1/2"
(102mm x 102mm x 38mm)

**4" round new work
non-metallic light fixture/
fan box**
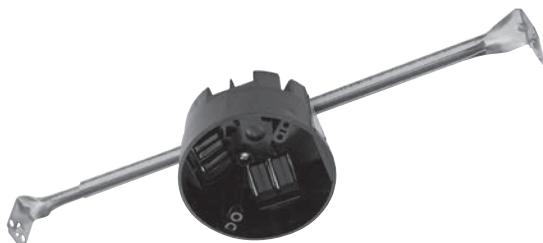4" diameter x 2-3/16"
(102mm x 56mm)

**3-1/2" round new work
non-metallic ceiling box**
3-1/2" diameter x 2-3/4"
(89mm x 70mm)

**3-1/2" round old work
non-metallic box**
4-1/4" O.D. flange, 3-1/2" I.D. x 2-5/8"
(108mm O.D., 89mm I.D. x 67mm)

4" round surface mount box
4" diameter x 1-1/2"
(102mm x 38mm)
Requires SLD6RAD adapter

**4" round new work non-metallic box
with hanger bar assembly**
4" diameter x 2-3/16" (102mm x 56mm)

Surface mounting in a fire-rated ceiling using an appropriate electrical box offers a cost-effective alternative to fire-rated recessed housings.
Note: Fire-rating is per the rating of the ceiling and applicable junction box, not the SLD.

*This is a representative list of compatible junction boxes only. Information contained in this literature about other manufacturers' products is from published information made available by the manufacturer and is deemed to be reliable, but has not been verified. Eaton makes no specific recommendation on product selection and there are no warranties of performance or compatibility implied. Installer must determine that site conditions are suitable to allow proper installation of the SLD mounting bracket in the box.
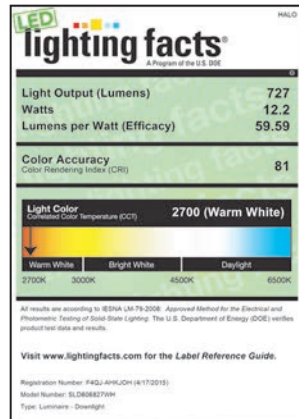
F·A·T·N
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PRODUCT DATA

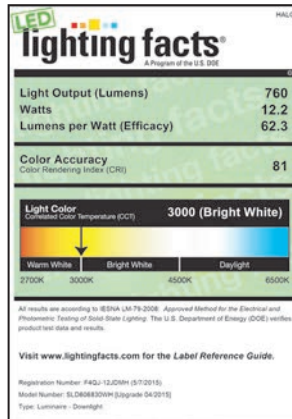| Cat No.	CRI	CCT	Lumens	Power (W)	LPW
SLD606827WH	80	2700	727	12.2	60
SLD606830WH	80	3000	760	12.2	62
SLD606835WH	80	3500	780	12.2	64
SLD606840WH	80	4000	800	12.2	66
SLD606927WH	92	2700	710	13.2	54
SLD606930WH	92	3000	735	13.2	56
SLD606935WH	92	3500	760	13.2	58
SLD606940WH	92	4000	780	13.2	59

Performance values are presented as typical for the model(s) indicated. Field results may vary.
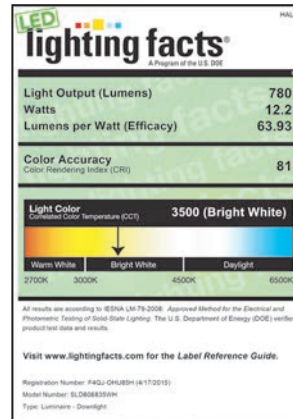
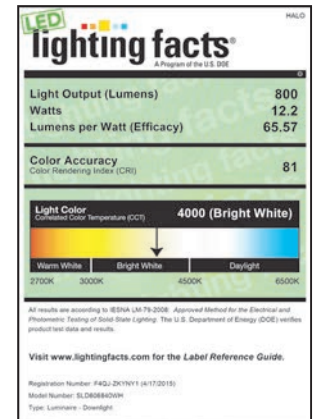## LIGHTING FACTS®

SLD606827WH - 80 CRI

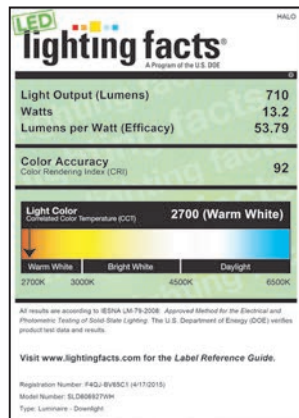LED lighting facts® A Program of the U.S. DOE — HALO

Light Output (Lumens)	727
Watts	12.2
Lumens per Watt (Efficacy)	59.59

Color Accuracy
Color Rendering Index (CRI) — 81

Light Color
Correlated Color Temperature (CCT) — 2700 (Warm White)

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: F4QJ-AHKJOH (4/17/2015)
Model Number: SLD606827WH
Type: Luminaire - Downlight

SLD606830WH - 80 CRI

LED lighting facts® A Program of the U.S. DOE — HALO

Light Output (Lumens)	760
Watts	12.2
Lumens per Watt (Efficacy)	62.3

Color Accuracy
Color Rendering Index (CRI) — 81

Light Color
Correlated Color Temperature (CCT) — 3000 (Bright White)

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: F4QJ-12JDNH (5/7/2015)
Model Number: SLD606830WH (Upgrade 04/2015)
Type: Luminaire - Downlight

SLD606835WH - 80 CRI

LED lighting facts® A Program of the U.S. DOE — HALO

Light Output (Lumens)	780
Watts	12.2
Lumens per Watt (Efficacy)	63.93

Color Accuracy
Color Rendering Index (CRI) — 81

Light Color
Correlated Color Temperature (CCT) — 3500 (Bright White)

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: F4QJ-OHU8SH (4/17/2015)
Model Number: SLD606835WH
Type: Luminaire - Downlight

SLD606840WH - 80 CRI

LED lighting facts® A Program of the U.S. DOE — HALO

Light Output (Lumens)	800
Watts	12.2
Lumens per Watt (Efficacy)	65.57

Color Accuracy
Color Rendering Index (CRI) — 81

Light Color
Correlated Color Temperature (CCT) — 4000 (Bright White)

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: F4QJ-ZKYNY1 (4/17/2015)
Model Number: SLD606840WH
Type: Luminaire - Downlight

SLD606927WH - 90 CRI

LED lighting facts® A Program of the U.S. DOE — HALO

Light Output (Lumens)	710
Watts	13.2
Lumens per Watt (Efficacy)	53.79

Color Accuracy
Color Rendering Index (CRI) — 92

Light Color
Correlated Color Temperature (CCT) — 2700 (Warm White)

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: F4QJ-8V8SCX (4/17/2015)
Model Number: SLD606927WH
Type: Luminaire - Downlight

SLD606930WH - 90 CRI

LED lighting facts® A Program of the U.S. DOE — HALO

Light Output (Lumens)	735
Watts	13.2
Lumens per Watt (Efficacy)	55.68

Color Accuracy
Color Rendering Index (CRI) — 92

Light Color
Correlated Color Temperature (CCT) — 3000 (Bright White)

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: F4QJ-EH1MYJ (5/7/2015)
Model Number: SLD606930WH (Upgrade 04/2015)
Type: Luminaire - Downlight

SLD606935WH - 90 CRI

LED lighting facts® A Program of the U.S. DOE — HALO

Light Output (Lumens)	760
Watts	13.2
Lumens per Watt (Efficacy)	57.58

Color Accuracy
Color Rendering Index (CRI) — 92

Light Color
Correlated Color Temperature (CCT) — 3500 (Bright White)

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

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Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: F4QJ-QCKZXS (4/17/2015)
Model Number: SLD606935WH
Type: Luminaire - Downlight

SLD606940WH - 90 CRI

LED lighting facts® A Program of the U.S. DOE — HALO

Light Output (Lumens)	780
Watts	13.2
Lumens per Watt (Efficacy)	59.09

Color Accuracy
Color Rendering Index (CRI) — 92

Light Color
Correlated Color Temperature (CCT) — 4000 (Bright White)

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: F4QJ-VJ8C7S (4/17/2015)
Model Number: SLD606940WH
Type: Luminaire - Downlight

DESCRIPTION

The Halo Surface LED Downlight (SLD) incorporates WaveStream™ technology to create an ultra-low profile surface mounting luminaire with the performance and look of a traditional downlight. SLD6 is designed for installation in many 3-1/2" and 4" square, octagon or round junction boxes. And may also retrofit in 5" and 6" IC and Non-IC recessed housings.* Suitable for residential or commercial installations. Ideal for closets, storage areas, attics and basements. Compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5).

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

CONSTRUCTION
- Die cast aluminum trim ring, and die formed aluminum frame

OPTICS
- WaveStream™ technology provides uniform luminance from a low profile flat lens
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Accessories (sold separately)
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- White (Paintable)
- Satin Nickel
- Tuscan Bronze

ELECTRICAL JUNCTION BOX MOUNTING
- SLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- Suitable for installation in many 3-1/2" and 4" square, octagon, and round electrical junction boxes
  Note: Driver consumes 3 cubic inches of junction box
- Surface mounting in a fire-rated ceiling using an appropriate electrical box offers a cost-effective alternative to fire-rated recessed housings
  Note: Fire-rating is per the rating of the ceiling and applicable junction box, not the SLD.
- Installer must ensure compatibility of fit, wiring and proper mounting in the electrical junction box. This includes all applicable national and local electrical and building codes
- Proprietary Slot-N-Lock quick installation system for junction box installation
- T-bracket with Slot-N-Lock mounting tabs included

RECESSED HOUSING MOUNTING
- May be installed in IC recessed housings in direct contact with insulation
- **Note:** Not for use in recessed housings in direct contact with spray foam insulation. Refer to NEMA LSD 57-2013

Torsion Spring 5" & 6"
- Optional precision formed torsion spring bracket kit is included
- The torsion springs adjust on the frame to fit 5" or 6" compatible housings

Friction Blade 5" & 6"
- Optional precision formed friction blades included
- For retrofit in 5" and 6" housings without torsion spring mounting tabs
- Friction blade design allows the SLD to be installed in any position within the housing aperture (360 degrees)

LED
- Trilateral linear LED assembly is integrated in trim perimeter
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- CRI options: 80 and 90
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  - 80 CRI can be used to comply with California Title 24 Non-Residential Lighting Controls as a LED luminaire.
- L70 at 50,000 hours projected in accordance with TM-21

WARRANTY
Cooper Lighting provides a five year limited warranty on the SLD LED

LED CHROMATICITY
- A tight chromaticity specification ensures LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated Color Temperature (CCT) over the useful life of the LED
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- Halo LED serialized testing and measurement ensures color and lumen consistency on a per-unit basis, and validates long-term product consistency over time

ELECTRICAL CONNECTIONS
Junction Box
- Compatible with 3-1/2" x 2" and 4" x 1-1/2" deep round, square and octagon boxes (2-1/8" deep boxes recommended)
- Supply Wire Adapter with LED quick connector included

Recessed Housings
- LED connector is compatible with Halo 5" H550 Series and 6" H750 Series LED Housings
- LED Connector meets California Title-24 high-efficacy luminaire standard as a non-screw base
- The included E26 Edison screw-base adapter provides capability for retrofit
- LED connector is a non-screwbase luminaire disconnect for tool-less installation

SLD 600 Series
SLD6068xxWH
80CRI
2700K, 3000K, 3500K, and 4000K

SLD6069xxWH
90CRI
2700K, 3000K, 3500K, and 4000K

6" Surface LED Downlight

Suitable for ceiling or wall electrical junction boxes

Suitable for 5" & 6" recessed housing retrofit (IC, Non-IC & AIR-TITE™)

ENERGY DATA

	80 CRI	90 CRI
Lumens (4000K models)	800	780
Input Voltage	120V	120V
Frequency	50/60 Hz	50/60 Hz
Input Current	0.10 A	0.11 A
Input Power	12.2 W	13.2 W
Efficiency (4000K models)	66 lm/W	59 lm/W
THD	≤ 20%	
Power Factor	≥ 0.90	
T Ambient	-30 - +40°C	
Sound Rating	Class A	

80 CRI nominal CCT
2700K / 3000K / 3500K / 4000K

Can be used for IECC International Energy Conservation Code High Efficacy Compliance

Can be used to comply with T24 California Non-Residential Lighting Controls requirements

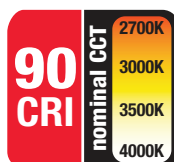Can be used for WSEC Washington State Energy Code High Efficacy Compliance

RoHS Compliant

air-tite

Showerlight

Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 Non-Residential Lighting Controls requirements as a LED Luminaire.

90 CRI nominal CCT
2700K / 3000K / 3500K / 4000K

Can be used for IECC International Energy Conservation Code High Efficacy Compliance

T24 Can be used to comply with California Title 24 High Efficacy requirements
T20 Certified to California Title 20 Appliance Database

Can be used for WSEC Washington State Energy Code High Efficacy Compliance

RoHS Compliant

air-tite

Showerlight

Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.
Certified to California Title 20 Appliance Efficiency Database.

NOMENCLATURE

S L D 606 8 30 WH
- **606** = 6" SLD 600 Series
- **8** = >80 CRI
- **30** = 3000K
- **WH** = Matte White

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HALO

LED DRIVER

- Driver is a 120V input, high efficiency, dimmable electronic power supply providing DC power to the LED array
- Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or internal failure
- Driver is replaceable if it should be required

DIMMING

- Designed for continuous dimming capability to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers. Dimming to 5% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note some dimmers require a neutral in the wallbox.)

COMPLIANCE

- cULus Listed ceiling and wall
- cULus Damp Location listed ceiling and wall
- cULus Wet Location Listed, ceiling only (shower rated)
- Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5)
- SLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- May be installed in IC recessed housings in direct contact with insulation (Not for use in recessed housings in direct contact with spray foam insulation. Refer to NEMA LSD 57-2013)
- UL Classified when used in retrofit with listed housings (See Housing Compatibility)
- EMI/RFI: meets FCC 47CFR Part 15 Class B limits, and is suitable for use in residential and commercial installations

- Airtight certified per ASTM E283 (not exceeding 2.0 CFM under 57 Pascals pressure difference)
- 90 CRI: Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Title 20 Appliance Efficiency Database.
- 80 CRI: Can be used to comply with California Title 24 Non-Residential Lighting Controls requirements as a LED luminaire.
- Can be used for International Energy Conservation Code (IECC) and Washington State Energy Code high efficiency luminaire compliance
- ENERGY STAR® certified luminaire - consult ENERGY STAR® Certified Product List
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79
- Lumen maintenance projections in accordance with IES LM-80 and TM-21

SLD 600 Series
SLD6068xxWH
80CRI
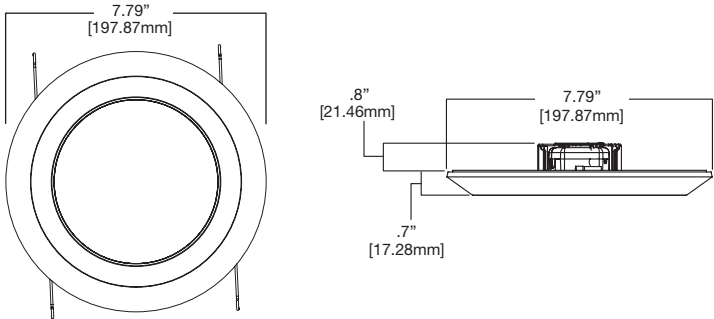**2700K, 3000K, 3500K, and 4000K**

SLD6069xxWH
90CRI
2700K, 3000K, 3500K, and 4000K

6" Surface LED Downlight

Suitable for ceiling or wall electrical junction boxes

Suitable for 5" & 6" recessed housing retrofit (IC, Non-IC & AIR-TITE™)

DIMENSIONS

7.79" [197.87mm]

.8" [21.46mm]

7.79" [197.87mm]

.7" [17.28mm]

ORDERING INFORMATION

SAMPLE NUMBER: SLD606927WH SLD6TRMSN
Junction Box Installation: Order junction box separately, as supplied by others, to complete installation.
Recessed Installation: Order Halo recessed housing separately to complete installation.

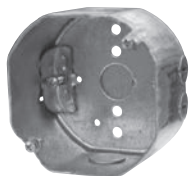| Models	Color Rendering Index	Color Temperature (CCT)	Finish	Accessories
SLD606= 6" Surface LED Downlight, 120V 600 Series	**8**=80 CRI **9**=90 CRI	**27**=2700K **30**=3000K **35**=3500K **40**=4000K	**WH**=White	Designer Trims Fit over the SLD for a designer finish **SLD6TRMSN**=6" SLD Satin Nickel **SLD6TRMTBZ**=6" SLD Tuscan Bronze **SLD6TRMWH**=6" SLD White (paintable) J-Box Spacer Extension Ring Add 15/16" depth when SLD driver cannot fit into installed junction box **SLD6EXT**=6" Surface LED J-Box Extender, 9.5" O.D. RAD Adapters When junction box is mounted flat on a ceiling or beam surface (not recessed in ceiling) **SLD6RAD**=6" SLD Round Surface J-Box Adapter, 7.92" O.D. (for 4-inch round or octagon junction boxes.) **SLD6SADPLT**=6" SLD Square Surface J-Box Adapter Plate (For 4-inch square junction boxes, use with SLD6RAD.) Spare Parts **SLD6ACCKIT**=6" Accessory Parts Replacement Kit (Screwbase adapter, torsion springs, friction blades) **SLD6BRKT**=6" Junction Box Bracket & Screws Refer to SLD Accessories specification sheet for further information.

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HOUSING COMPATIBILITY

The SLD6 is UL Listed in Halo and All-Pro recessed housings, and is UL Classified for use with **any** 5 or 6 inch diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 107.9 in³ in addition to those noted below.
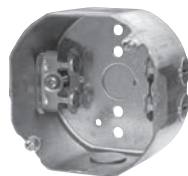
Note: Some other's housings require installation with included friction clips.

Compatible Halo LED Housings with LED luminaire connector (high-efficacy compliant)		
HALO LED	**Recessed Can Size**	**Catalog Number**
	5"	H550ICAT, H550RICAT
	6"	H750ICAT, H750RICAT, H750T, H750RINTD010, H750TCP, H2750ICAT

Halo LED Retrofit Enclosures		
HALO	**6"**	ML7BXRFK, ML7E26RFK

Compatible Halo Incandescent E26 Screwbase Housings		
HALO	**5"**	H5ICAT, H5RICAT, H5T, H5RT, H5TM, H25ICAT
	6"	H7ICAT, H7RICAT, H7ICT, H7RICT, H7ICATNB, H7ICTNB, H7T, H7RT, H7TNB, H7TCP, H7UICT, H7UICAT, H27ICAT, H27RICAT, H27ICT, H27RICT, H27T, H27RT

Compatible All-Pro Incandescent E26 Screwbase Housings		
ALL-PRO	**5"**	EI500AT, EI500RAT, ET500, ET500R
	6"	EI700AT, EI700RAT, EI700, EI700R, EI700ATNB, EI700NB, EI700U, EI700UAT, ET700, ET700R, EI2700AT, EI2700, EI2700R, ET2700, ET2700R

HALO

COMPATIBLE WITH EATON'S CROUSE-HINDS JUNCTION BOXES

TP316
for non-metallic cable
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)

TP317
for metal clad cable
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)

- **TP316 -** for non-metallic cable
- **TP317 -** for metal clad cable
- UL Listed
- Suitable for two-hour fire-rated ANSI/UL 263 when properly installed in a fire-rated ceiling or wall
- Refer to www.crouse-hinds.com

COMPATIBLE WITH MANY OTHER JUNCTION BOXES*

4" octagon light fixture/fan steel box
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)

4" octagon steel box
4" x 4" x 1-1/2"
(102mm x 102mm x 38mm)

4" square deep steel box
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)

4" square standard steel box
4" x 4" x 1-1/2"
(102mm x 102mm x 38mm)

4" round new work non-metallic light fixture/fan box
4" diameter x 2-3/16"
(102mm x 56mm)

3-1/2" round new work non-metallic ceiling box
3-1/2" diameter x 2-3/4"
(89mm x 70mm)

3-1/2" round old work non-metallic box
4-1/4" O.D. flange, 3-1/2" I.D. x 2-5/8"
(108mm O.D., 89mm I.D. x 67mm)

4" round surface mount box
4" diameter x 1-1/2"
(102mm x 38mm)
Requires SLD6RAD adapter

4" round new work non-metallic box with hanger bar assembly
4" diameter x 2-3/16" (102mm x 56mm)

Surface mounting in a fire-rated ceiling using an appropriate electrical box offers a cost-effective alternative to fire-rated recessed housings.
Note: Fire-rating is per the rating of the ceiling and applicable junction box, not the SLD.

*This is a representative list of compatible junction boxes only. Information contained in this literature about other manufacturers' products is from published information made available by the manufacturer and is deemed to be reliable, but has not been verified. Eaton makes no specific recommendation on product selection and there are no warranties of performance or compatibility implied. Installer must determine that site conditions are suitable to allow proper installation of the SLD mounting bracket in the box.
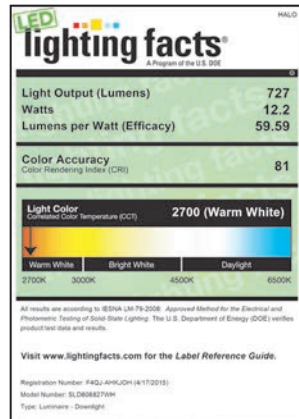
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HALO

PRODUCT DATA

Cat No.	CRI	CCT	Lumens	Power (W)	LPW
SLD606827WH	80	2700	727	12.2	60
SLD606830WH	80	3000	760	12.2	62
SLD606835WH	80	3500	780	12.2	64
SLD606840WH	80	4000	800	12.2	66
SLD606927WH	92	2700	710	13.2	54
SLD606930WH	92	3000	735	13.2	56
SLD606935WH	92	3500	760	13.2	58
SLD606940WH	92	4000	780	13.2	59

Performance values are presented as typical for the model(s) indicated. Field results may vary.

LIGHTING FACTS®

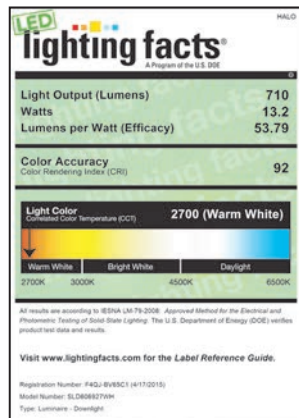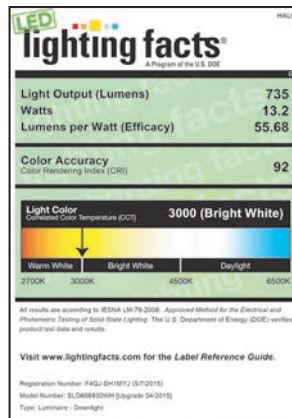**SLD606827WH - 80 CRI**

SLD606830WH - 80 CRI
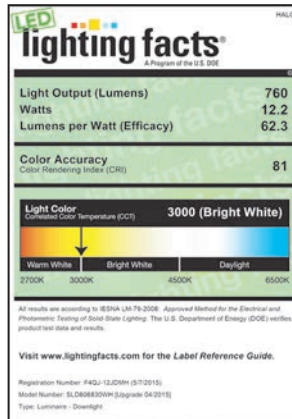
SLD606835WH - 80 CRI
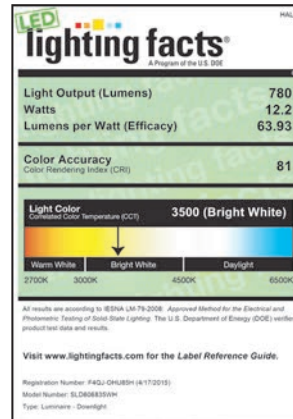
SLD606840WH - 80 CRI
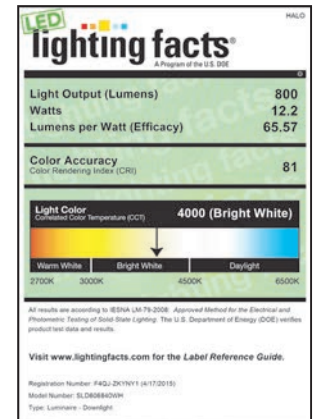
SLD606927WH - 90 CRI

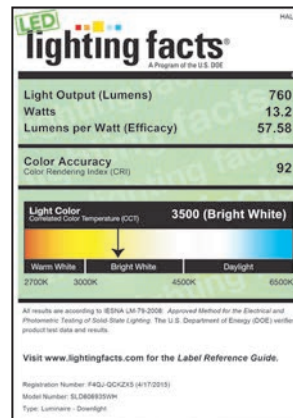**SLD606930WH - 90 CRI**

SLD606935WH - 90 CRI

SLD606940WH - 90 CRI