Project		Catalog #		Type	
Prepared by		**Notes**		**Date**	

HALO

CLD

7" LED Surface Luminaire
800 Lumen Series

Typical Applications

Residential

Interactive Menu

- Order Information page 2
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- Product Warranty
- Dimming Guide

Product Certification

ENERGY STAR

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

Efficiency Standards
T24
Can be used to comply
with 2016 Title 24 Part 6
LED Enclosed Light
Source Requirements (JA8)
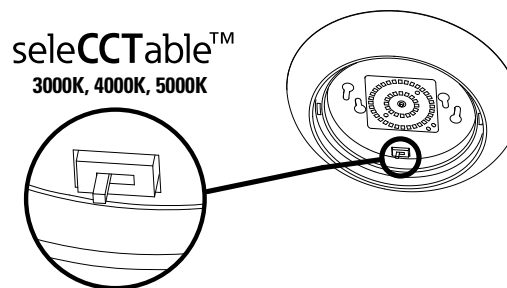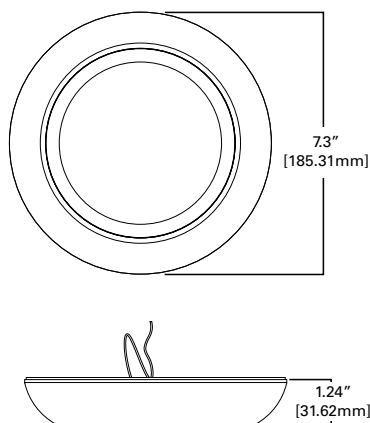
UL CERTIFIED

RoHS COMPLIANT

Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.
Certified to California Appliance Efficiency Database under JA8.

Product Features

air1te

Showerlight

3 seleCCTable colors
3000K • 4000K • 5000K

Top Product Features

- Easy to install - install from below removable lens
- Fits pancake junction boxes
- Select from 3 CCTs via switch, 3000K, 4000K, or 5000K CCT
- Dimmable down to 5%
- 841 Lumens at 3000K, 94 CRI

Dimensional and Mounting Details

7.3″
[185.31mm]

1.24″
[31.62mm]

seleCCTable™
3000K, 4000K, 5000K

Order Information

SAMPLE ORDER NUMBER: **CLD7089SWHR**

Models	Lumens	CRI / CCT	Finish	Packaging
CLD7=7" LED surface light	**08**=800 lumens (nominal)	**9S**=90 CRI minimum, white tuning, selectable CCT 3000K, 4000K, & 5000K	**WH**=matte white flange	**R**=recyclable unit carton suitable for merchandising display
Notes	Notes	Notes	Notes	Notes

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
- 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" 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)

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

Round ceiling pan
4" diameter x 13/16"
(102mm x 21mm)

*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 mounting bracket in the box.

Product Specifications

Construction
- Stamped aluminum housing and frame.

Optics
- Precision engineered optic provides uniform luminance from a low profile convex lens
- Removable lens for easy install from below installation

LED
- Backlit LED technology
- Color Temperature options include: SeleCCTable configuration 3000K, 4000K or 5000K via switch
- 90 CRI is standard
- L70 at 50,000 hours projected in accordance with TM-21

Driver
- Integral 120V 60Hz constant current driver provides virtually noise free operation.
- Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers. See dimming guide.
- 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.)

Electrical Junction Box Mounting
- CLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- Install from below design
- Suitable for installation in many 3-1/2" and 4" octagon and round electrical junction boxes.
- Compatible with compact (pancake) junction boxes
- Note: Fire-rating is per the rating of the ceiling and applicable junction box, not the CLD.
- 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 coded NEMA LSD 57-2013

Compliance
- UL certified for US and Canada
- UL Classified when used in retrofit with listed housings (See Housing Compatibility)
- Wet and Damp Location listed, airtight per ASTM-E283 (protected ceiling only)
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements.
- EMI/RFI emissions per FCC 47CFR Part 15B
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79-08

- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11.
- Can be used for State of California Title 24 high efficacy luminaire compliance, reference the California Energy Commission Title 20 Appliance Efficiency Database for current listings.
- 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
- Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/warranty

Energy Data

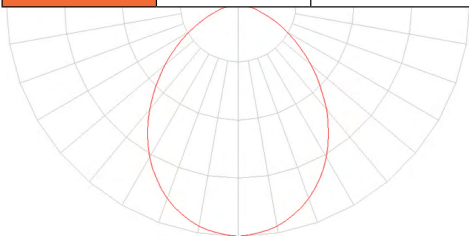| Lumens	800 Series
Input Voltage	120V
Input Current	0.09A
Input Power	10.5W
Efficacy	80.5 LpW
Inrush (A)	(A)
THD	≤ 20%
PF	≥ 0.90
T Ambient	-30° - +40°C
Sound Rating	≤ 20 dba

Housing Compatibility

MANUFACTURER		MODELS	Original Lamp Type
Cooper Lighting Solutions	5"	H25ICAT, H5ICAT, H5RICAT, E5ICAT, E5RICAT	E26 Base
Cooper Lighting Solutions	6"	E7ICAT, E7RICAT, H7ICAT, H7RICAT, H27ICAT, H27RICAT, E27ICAT, E27RICAT, E27RTAT, E27TAT, E7RTAT, E7TAT	E26 Base

Photometric Data

CLD7089SWHR - 3000K

Luminaire lumens		841
Input watts		10.5
LER (LPW)		80.5
Spacing Criteria	0-180	1.26
	90-270	1.26
	Diagonal	1.38
Beam angle (degrees)		113.2
Field angle (degrees)		161.7

Zonal lumen	Lumens	% Lumens
0-30	218	27.1
0-40	357	44.4
0-60	635	78.8
0-90	805	100

* Tested in accordance with IES LM63. Field results may vary.

Color Metric Summary

3000K		
TM-30-15	R_f = 94	
	R_g = 98	
CRI/CIE	R_a = 95	
	R_9 = 59	

4000K		
TM-30-15	R_f = 92	
	R_g = 98	
CRI/CIE	R_a = 96	
	R_9 = 75	

5000K		
TM-30-15	R_f = 92	
	R_g = 98	
CRI/CIE	R_a = 95	
	R_9 = 75	

114°

CCT - Range of 3000K- 5000K

Catalog Number	CCT	Lumens	Power (W)	LPW
CLD7089SWHR	3000K	841	10.5	80.5
	4000K	905	10.1	90.0
	5000K	885	10.3	85.8

Product Specifications

PRODUCT SPECIFICATIONS

Lumens	841
Watts	10.5
Lumens Per Watt (Efficacy)	80.5
Color Accuracy (CRI)	94
Light Color (CCT) Correlated Color Temperature (CCT)	3000K

warm white | soft white | bright white
2700K | 3000K | 4500K | 6500K

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Specifications and dimensions subject to change without notice.

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