HALO

DESCRIPTION

The Halo CLD is a low profile, high performance surface mount luminaire that offers the added flexibility of 3 selectable color temperatures at time of installation. CLD7 (7") is designed for installation in many 3-1/2" and 4" square, octagon, or round junction boxes. Supply wire adapter with LED quick wiring connector included.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

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
• 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.eaton.com/lighting/legal

CLD

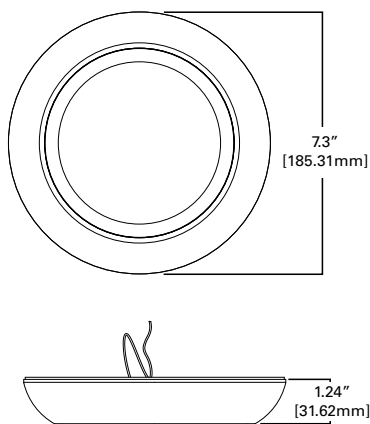**7-Inch LED Surface Light SeleCCTable switch**

Suitable for ceiling or wall electrical junction boxes

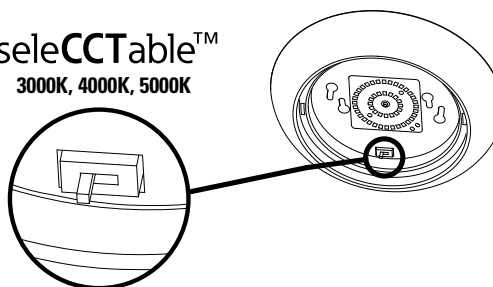**HIGH-EFFICACY LED WITH INTEGRAL DRIVER - DIMMABLE**

3 seleCCTable colors

3000K • 4000K • 5000K

ENERGY DATA	
Lumens	800 Series
Input Voltage	120V
Input Current	x (mA)
Input Power	11.2 (W)
Inrush (A)	x
THD	≤ 20%
PF	≥ 0.90
T Ambient	-30° - +40°C
Sound Rating	≤ 20dba

DIMENSIONS

7.3"
[185.31mm]

1.24"
[31.62mm]

seleCCTable™
3000K, 4000K, 5000K

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 SAFETY

RoHS

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 Appliance Efficiency Database under JA8.

EA·TON
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HALO

ORDERING INFORMATION

SAMPLE NUMBER: CLD7089SWHR

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

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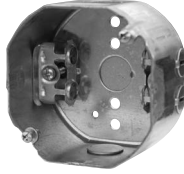
TP317
for metal clad cable
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)

- **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)
Note: only compatible with fixed CCT BLD606930

*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.

Powering Business Worldwide

HALO

CLD7

PHOTOMETRIC DATA

CLD7089SWHR - 3000K

Luminaire lumens		805
Input watts		11.2
LER (LPW)		71.9
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
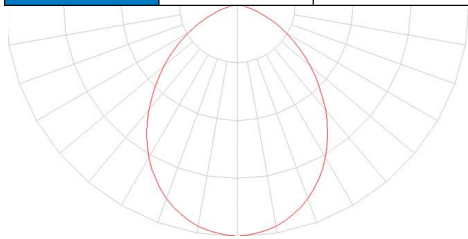
* Tested in accordance with IES LM63. Field results may vary.

Color Metric Summary

3000K		
TM-30-15	R_f = 89	
	R_g = 97	
CRI/CIE	R_a = 94	
	R_9 = 67	

4000K		
TM-30-15	R_f = 88	
	R_g = 97	
CRI/CIE	R_a = 94	
	R_9 = 94	

5000K		
TM-30-15	R_f = 86	
	R_g = 96	
CRI/CIE	R_a = 93	
	R_9 = 94	

113°

CCT - Range of 3000K- 5000K

warm ← → cool

Catalog Number	CCT	Lumens	Power (W)	LPW
CLD7089SWR	3000K	805	11.2	71.9
	4000K	810	11.2	72.3
	5000K	810	11.2	72.3

Product Specifications

PRODUCT SPECIFICATIONS

Lumens	810
Watts	11.2
Lumens Per Watt (Efficacy)	72.3
Color Accuracy (CRI)	92
Light Color (CCT) Correlated Color Temperature (CCT)	4000K

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

Eaton
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www.eaton.com/lighting

Specifications and
dimensions subject to
change without notice.