HALO®

HALO LED Module 600 Series
For New and Existing Installations

The Halo LED ML7068xx modules are designed for retrofit applications with an Edison screw base adapter (included with the module) for use in existing housings OR may also be used in new construction with the LED dedicated housing Series H750x. Halo LED 600 Series modules deliver in the range of 416-793 lumens (depending upon the trim and selected color temperature); and the 600 Series offers selection of four color temperatures: 2700K, 3000K, 3500K, 4000K. Halo LED offers a superior optical design that yields productive beam lumens, good cutoff and low glare.

Catalog #		Type
Project		
Comments		Date
Prepared by		

DESIGN FEATURES

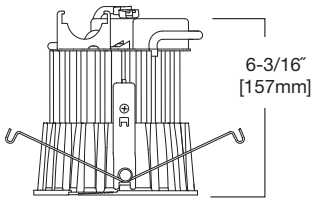
Exceeds the light output and distribution of a 65W BR30 incandescent lamp or an 18W compact fluorescent luminaire (lamp and reflector trim), while consuming less than 14 watts.

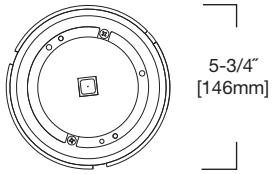
Dimming

The HALO LED 600 Series luminaire is dimmable to 15% with standard 120V electronic low voltage dimmers (recommended), incandescent or magnetic low voltage dimmers; and dims to 5% using dimmers with low end trim adjustment. Standard incandescent dimmers require a minimum load of typically >40 watts on the circuit for full range dimming performance (four LED modules). For dimming with digital (smart) multi-location dimmers or when dimming fewer than four LED modules, electronic low voltage dimmers are required (ELV dimmers need a neutral connection in the wallbox).

Quality of Light

Halo 600 Series provides excellent color rendering (80 CRI), and a selection of four color temperatures (2700K, 3000K, 3500K and 4000K). CRI and color temperature performance conform to parameters established by ENERGY STAR® SSL standards (refer to ANSI-C78.377 - 2008 for CCT specifications). LED's have virtually no ultraviolet and minimal infrared wavelengths, and they do not emit heat like conventional lamps.





Optical Design

Optical design yields productive beam lumens, 50° cutoff, and low glare.

Life

Rated for 50,000 hours at 70% lumen maintenance.

Compatibility

The Halo ML7068xx LED modules are designed for use in the dedicated H750x series housings OR for retrofit applications in existing Halo or ALL-PRO™ H7/ET7/EI7 housings. The Halo LED module is designed for use in either IC (insulated ceiling) or non-IC construction.
Compatible HALO and ALL-PRO housings include model numbers:

- Dedicated LED Housing: H750x Series
- Halo Housings: H7x Series
- ALL-PRO Housings: ET7x and EI7x Series

Screw Base Adapter

Edison screw-base adapter supplied with module allows simple wiring connection to existing housing.

Module Construction

Durable die-cast and extruded aluminum construction conducts heat away from the LED keeping the junction temperatures below specified maximums even when installed in insulated ceiling environments.

Air-Tite™ Rating

The Halo LED module has passed restricted air flow testing, and now qualifies any housing to meet air-tight building codes. Certified under ASTM-E283 standards.

LED Driver

The LED module is controlled by a high efficiency driver with a power factor of >.90 at an input power of 120V, 50/60Hz. Driver has integral thermal protection in the event of over temperature or internal failure.

Warranty

Cooper Lighting provides a three year limited warranty on the Halo LED Luminaire which includes the LED Module, LED Recessed Housing and LED trims.

LED Module in New or Existing Construction – Housings other than Halo or All-Pro

If used in recessed housings other than Halo or All-Pro the Cooper Lighting 3-year warranty applies to the LED Module and Trim only. As with any electrical installation, a qualified electrician must ensure compatibility of use with a particular housing; this includes all applicable national and local electrical and building codes.
Installer is responsible to securely retain the LED Module and Trim in a housing at time of installation.

Labels

- UL/cUL Listed

Can be used to meet the following requirements:

- State of California Title 24-2008 High Efficacy Compliant (with designated trims)
- International Energy Conservation Code (IECC) 2009 High Efficacy Compliant (with designated trims)
- Washington State Energy Code - AIR-TITE™
- New York State Energy Conservation Construction Code AIR-TITE™

Accessories

- Oversize Trim Rings (Goof Rings) - OT400P and OT403P oversize trim rings are installed behind the Halo LED trim ring to aid in masking ceiling irregularities and cut-out errors.
- H277 –300VA rated Step-down transformer for use with Non-IC housings and LED Module (see App. Note).
- H347 –75VA rated Step-down transformer for use with Non-IC housings and LED Module (see App. Note).
- ML7RAB - Retrofit Adapter Band for retrofit of Halo LED Modules into 6" nominal housings that do not have torsion spring receivers for module installation. The ML7RAB kit supplies parts to retrofit four housings and includes: four adapters with instructions, metal piercing screws, and locking wire nuts.

ML706830 600 Series LED Dimmable Module

3000°K Correlated Color Temperature

49X_Series Trims

6" LED Module and Trim For New Construction OR Retrofit Applications

600 Series Energy Data:

(Values at non-dimming line voltage)	
Minimum Starting Temp: -30°C (-22°F)	
EMI/RFI: FCC Title 47 CFR, Part 18, Class B (Consumer)	
Sound Rating:	Class A standards
Input Voltage:	120V
Power Factor:	>0.90
Input Frequency:	50/60Hz
THD:	<20%
Rated Wattage:	13.8W
Input Power:	13.8W
Input Current:	126mA
Maximum IC (Insulated Ceiling) Ambient Continuous Operating Temperature: 25°C (77°F)	
Maximum Non-IC Ambient Continuous Operating Temperature 40°C (104°F)	

600 Series Summary Lighting Data:

Lumen range: 416-793
Lumens per watt: . . . . . .up to 57
Watts at 120VAC: 13.8

Color

Correlated Color Temperature (CCT): 2700-4000K
Color Rendering Index (CRI, R_a): 80

Qualified & Compliant with designated LED modules and trims.

ALU

ADV100265
rev 2/4/10

COOPER Lighting
www.cooperlighting.com

Correlated Color Temperature

ENERGY STAR® SSL Nominal CCT	LED Module	Also Available		
3000°K nominal (3045; 2700K 3000K 3500K 4100K 5000K 6500K)	ML706830	2700°K nominal	3500°K nominal	4000°K nominal
		ML706827	ML706835	ML706840

ML7RAB Retrofit Adapter Band for Housings without Torsion Spring Receivers

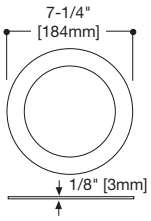
In many retrofit installations the existing (6" nominal aperture) housings have Torsion Spring Receivers that are used to install trims. Many of these housings will allow direct installation of the LED Module. In some existing installations housings do not have torsion spring receivers. The ML7RAB was designed for installation into those housings. The ML7RAB kit can retrofit four non-torsion spring housings; the kit includes:

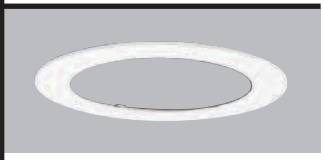
4 – Retrofit Adapter Bands *(1 per retrofit housing)*
16 – Metal-piercing screws *(4 per adapter)*
8 – Retrofit Locking Wire Nuts *(2 per adapter)*

ML7RAB Retrofit Adapter Band
(Four Adapters per Box)

TRM490 Thin Profile Trim Ring (Optional Accessory)

- Die-cast trim ring
- Thin trim ring provides a more subtle ceiling appearance
- Purchase as accessory and discard ring supplied with trim
- Trim ring height of .120" at OD and .180" at ID
  - TRM490BK = Black
  - TRM490PC = Polished Chrome
  - TRM490SN = Satin Nickel
  - TRM490TBZ = Tuscan Bronze
  - TRM490WH = White





TRM490
Optional Accessory
Thin Profile Trim Ring

Oversize Trim Rings

For use when ceiling opening is irregular or cut too large. The oversized trim ring is installed behind the Halo LED trim ring to mask irregularities or cutout errors of the ceiling opening.

- OT400P = Oversize White Metal Trim Ring 6" ID x 9-1/4" OD
- OT403P = Oversize White Plastic Trim Ring 6" ID x 8" OD

OT400, OT403
Oversize Trim Rings

Application Note - H277 and H347 step-down transformers are qualified to drive multiple Halo LED modules on a single circuit in Non-IC construction. Installation of these transformers on individual fixtures on circuits with multiple LED loads is not recommended. H277 is 300VA and qualified to drive up to 15 Halo LED ML706x modules. H347 is 75VA and qualified to drive up to 3 Halo LED ML706x modules. Installation of individual H277 or H347 transformers on each LED downlight fixture in a multiple LED loaded circuit is not recommended due to resulting multiple inductive currents pulled by each transformer; in this situation the majority of the power would then be reactive (VARS) and not real (WATTS). If H277 or H347 transformers should be used individually on each LED fixture in a single circuit, then that circuit should be sized for lowered power factor as well as increased apparent power on the circuit. H277 and H347 are UL/cUL listed for use with Halo housings: H750T, H750TCP, H7T, H7TNB, H7RT, H750TD010, H750RTD010, H750TCPD010 housings.

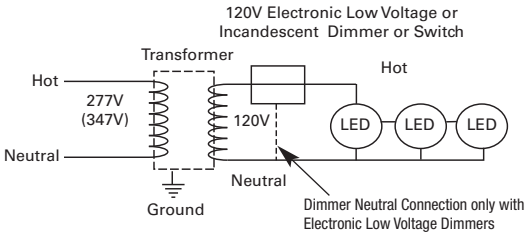
Step Down Transformers

H277= Steps 277 line voltage down to 120 volts. Attaches to knockout on first fixture's junction box in a circuit and is 300VA rated (15 modules max.). H277 is a UL Recognized Component listed under the luminaire UL/cUL listing for Non-IC housings and LED Module.

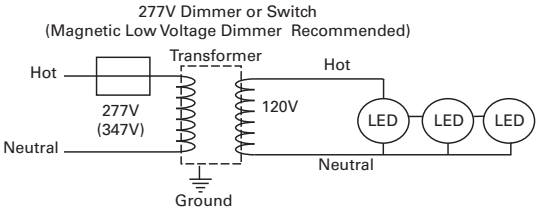
H347= Steps 347 line voltage down to 120 volts. Attaches to knockout on first fixture's junction box in a circuit and is 75VA rated (3 modules max.).

H347 is a CSA/UL Listed Component for use under the luminaire UL/cUL listing with Non-IC housings and a LED Module.

Transformer with Dimmer /Switch on Secondary



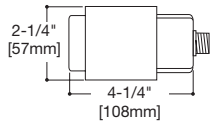
Transformer with Dimmer /Switch on Primary

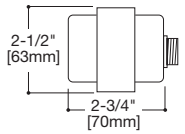


Dimmer or Switch may be on the Primary (277V) OR Secondary (120V) side of the transformer.

H277
277V Step Down Transformer, 300VA

H347
347V Step Down Transformer, 75VA





Transformer Load - H277 (300VA)

1. H277Transformer at full loading consumes a maximum of 16W of power
2. When dimmer or switch is on the secondary (120V) side of the transformer, power is consumed by the transformer when the dimmer or switch is in "OFF" mode at 6.5W and in "ON" mode at 16W maximum with full loading.
3. When a dimmer or switch is on the primary (277V) side of the transformer, power is consumed only in "ON" mode to a maximum of 16W under full loading.

Transformer Load - H347 (75VA)

1. H347Transformer at full loading consumes a maximum of 15W of power
2. When dimmer or switch is on the secondary (120V) side of the transformer, power is consumed by the transformer when the dimmer or switch is in "OFF" mode at 2.5W and in "ON" mode at 15W maximum with full loading.
3. When a dimmer or switch is on the primary (347V) side of the transformer, power is consumed only in "ON" mode to a maximum of 15W under full loading.

Protected / Non-insulated Soffits, Porches, and Canopies

Halo LED modules when used with Non-IC recessed housings in Non-Insulated protected soffits, porches or canopies offers a solution for outdoor accent lighting. Halo LED is rated for operation from -30°C to 40°C when used with H7T, H7TNB, H7RT, ET700, ET700R, H750T, H750TCP, H750TD010, H750RTD010, H750TCPD010 Series non-IC housings.

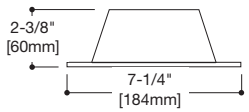
DESCRIPTION: LED Trims

Multiple reflector and baffle options allow the Halo LED recessed luminaire to be used in many interior spaces. Choose the best reflector finish and trim for the interior space. Aesthetically pleasing regressed shower trim are available for applications requiring wet location listings.

494P06 White Reflector with White Trim Ring

- Halo matte white finish die-cast trim ring
- Halo matte white aluminum reflector
- Trim ring height of .160" at OD and .180" at ID
- Provides clearance for remodeler flange and gasket for AIR-TITE™ seal

ENERGY STAR® Qualified: ML706830 with 494P06

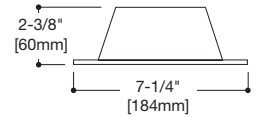


494P06
White Reflector with White Trim Ring

494SC06 Specular Reflector with White Trim Ring

- Halo matte white finish die-cast trim ring
- Specular Clear aluminum reflector
- Trim ring height of .160" at OD and .180" at ID
- Provides clearance for remodeler flange and gasket for AIR-TITE™ seal

ENERGY STAR® Qualified: ML706830 with 494SC06

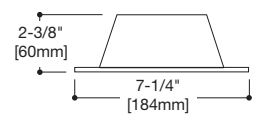


494SC06
Specular Reflector with White Trim Ring

494H06 Haze Reflector with White Trim Ring

- Halo matte white finish die-cast trim ring
- Haze aluminum reflector
- Trim ring height of .160" at OD and .180" at ID
- Provides clearance for remodeler flange and gasket for AIR-TITE™ seal

ENERGY STAR® Qualified: ML706830 with 494H06

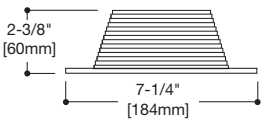


494H06
Haze Reflector with White Trim Ring

494WB06 White Baffle with White Trim Ring

- Halo matte white finish die-cast trim ring
- Halo Matte White die-cast baffle
- Trim ring height of .160" at OD and .180" at ID
- Provides clearance for remodeler flange and gasket for AIR-TITE™ seal

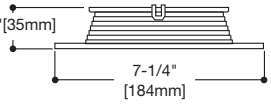
ENERGY STAR® Qualified: ML706830 with 494WB06



494WB06
White Baffle with White Trim Ring

492PS06 Lensed Trim with White Baffle and Trim Ring

- Halo Matte White trim ring and baffle, regressed lens
- Wet location listed for use in showers and protected canopy applications
- Die-cast aluminum baffle and die-cast trim ring
- Frosted glass lens
- Trim height of .160" at OD & .180" at ID
- Provides clearance for remodeler flange and gasket for AIR-TITE™ seal



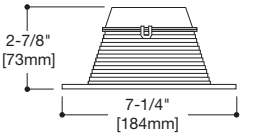
492PS06
Lensed White Baffle with White Trim Ring

Slipperlight

493WBS06 Solite® Regressed Lens with White Baffle and White Trim Ring

- Halo matte white trim ring and baffle with Anti-Microbial finish standard
- Upper specular aluminum reflector for optical control and enhanced lumen delivery
- Wet location listed for use in showers and protected canopy applications
- Die-cast aluminum baffle and trim ring
- Trim height of .160" at OD & .180" at ID
- Provides clearance for remodeler flange and gasket for AIR-TITE™ seal

ENERGY STAR® Qualified: ML706830 with 493WBS06



493WBS06
Regressed Solite® Lensed White Baffle with White Trim Ring

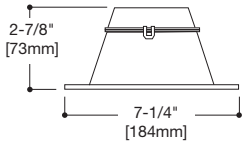
Slipperlight

ANTI-MICROBIAL finish

493SCS06 Solite® Regressed Lens with Specular Clear Reflector and White Trim Ring

- Halo matte white trim ring with specular clear reflector
- Upper specular aluminum reflector for optical control and enhanced lumen delivery
- Wet location listed for use in showers and protected canopy applications
- Die-cast aluminum reflector and trim ring
- Trim ring height of .160" at OD and .180" at ID
- Provides clearance for remodeler flange and gasket for AIR-TITE™ seal

ENERGY STAR® Qualified: ML706830 with 493SCS06



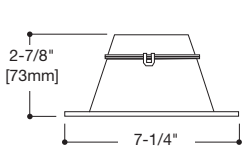
493SCS06
Regressed Solite® Lensed Specular Reflector with White Trim Ring

Shower Light

493HS06 Solite® Regressed Lens with Haze Reflector and White Trim Ring

- Halo matte white trim ring with Haze reflector
- Upper specular aluminum reflector for optical control and enhanced lumen delivery
- Wet location listed for use in showers and protected canopy applications
- Die-cast aluminum reflector and trim ring
- Trim ring height of .160" at OD and .180" at ID
- Provides clearance for remodeler flange and gasket for AIR-TITE™ seal

ENERGY STAR® Qualified: ML706830 with 493HS06

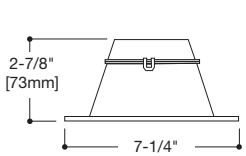


493HS06
Regressed Solite® Lensed Haze Reflector with White Trim Ring

Shower Light

493SNS06 Solite® Regressed Lens with Satin Nickel Reflector and Satin Nickel Trim Ring

- Halo Statin Nickel trim ring with Satin Nickel reflector
- Upper specular aluminum reflector for optical control and enhanced lumen delivery
- Wet location listed for use in showers and protected canopy applications
- Die-cast aluminum reflector and trim ring
- Trim ring height of .160" at OD and .180" at ID
- Provides clearance for remodeler flange and gasket for AIR-TITE™ seal

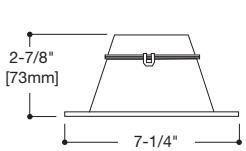


493SNS06
Regressed Solite® Lensed Satin Nickel Reflector with Satin Nickel Trim Ring

Shower Light

493TBZS06 Solite® Regressed Lens with Tuscan Bronze Reflector and Tuscan Bronze Trim Ring

- Halo Tuscan Bronze trim ring with Tuscan Bronze reflector
- Upper specular aluminum reflector for optical control and enhanced lumen delivery
- Wet location listed for use in showers and protected canopy applications
- Die-cast aluminum reflector and trim ring
- Trim ring height of .160" at OD and .180" at ID
- Provides clearance for remodeler flange and gasket for AIR-TITE™ seal

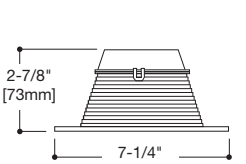


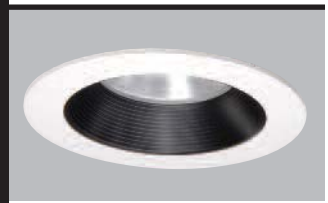
493TBZS06
Regressed Solite® Lensed Tuscan Bronze Reflector with Tuscan Bronze Trim Ring

Shower Light

493BBS06 Solite® Regressed Lens with Black Baffle and White trim Ring

- Halo matte white trim ring with Black Baffle
- Upper specular aluminum reflector for optical control and enhanced lumen delivery
- Wet location listed for use in showers and protected canopy applications
- Die-cast aluminum baffle and trim ring
- Trim ring height of .160" at OD and .180" at ID
- Provides clearance for remodeler flange and gasket for AIR-TITE™ seal





493BBS06
Regressed Solite® Lensed Black Baffle with White Trim Ring

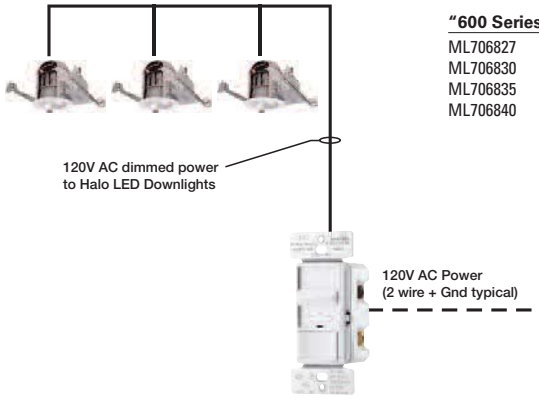
Shower Light

Standard Dimming Control

Standard "incandescent type" 120V line voltage dimming is offered for the 600 Series LED. This is the most common type of dimming for residential and light commercial applications.

120VAC Standard Dimming - Incandescent and Magnetic Low Voltage Dimmers
Standard 120VAC line voltage dimmers for incandescent and magnetic low voltage loads control the light source with "forward phase control". With forward phase control the dimmer "chops" the forward part of the AC wave to deliver less or more power to the light source. Halo LED is generally compatible with this type of dimmer, but minimum load requirements of the dimmer may require four or more LEDs on the circuit. In addition, digital or smart versions of incandescent and magnetic low voltage dimmers are not compatible for circuits with LEDs only (digital versions of incandescent dimmers require an incandescent load on the circuit). The recommended dimmer for many applications is the electronic low voltage dimmer.

120VAC Standard Dimming - Electronic Low Voltage
Standard 120VAC line voltage dimmers for electronic low voltage loads control the light source with "reverse phase control". With reverse phase control the dimmer "chops" the back part of the AC wave to deliver less or more power to the light source. Halo LED is compatible with this type of dimmer providing there is a neutral connection on the dimmer (connected to neutral in the wallbox). An ELV dimmer can typically control a minimum of one LED on the circuit.
In addition, digital or smart versions of electronic low voltage dimmers (with a neutral connection) are typically compatible for circuits with LEDs. Therefore, an electronic low voltage dimmer is recommended for many applications, and required for less than four LEDs and when a digital type dimmer is desired.



"600 Series" Modules
ML706827
ML706830
ML706835
ML706840

Recommended Electronic Low Voltage Digital and Analog Dimmers, Minimum Circuit Load of One LED Module, Dimming to 15%
Requires a neutral in the wall box

Lutron*

Diva	DVELV Series	Nova T	NTELV & NTLV Series
Maestro	MAELV Series	Skylark	SELV Series
Nova	NLV Series	Vierti	VTELV Series

Leviton

Acenti	ACE. Series (Electronic low voltage dimmer with low end programmable trim from control panel for dimming to less than 5%)
Illumitech	IPE.Series (Electronic low voltage dimmer with low end manual trim behind face plate for dimming to less than 5%)
Vizia +	VPE.Series (Electronic low voltage dimmer with low end programmable trim from control panel for dimming to less than 5%)

**Refer to Lutron "LED Product Report Card" for additional information.*

Incandescent / Magnetic Low Voltage Analog Standard Dimmers with Circuit Load of 4 LED Modules or More, Dimming to 15%

Cooper Wiring Devices

ASPIRE RF	N/A
ASPIRE	9530, 9532, 9538, 9540
Decorator Slide	DI06P, DI10P
Decorator Full-Slide	SI061, SI06P, SI10P
Toggle	6441, 6443, 6453
Rotary	6001, 6013, 6000, 6003, 6020, 6023
Architectural Rotary	RAI10, RAI15, RAI20

Lutron

Ariadni	.AY/TG Series	Lyneo	.LX Series
Ceana	.CN Series	Nova	.N Series
Centurion	.C Series	Nova T	.NT/NTB/NTA Series
Dalia	.DL Series	Qoto	.Q Series
Diva	.DV Series	Skylark	.S Series
Glyder	.GL Series		
Lumea	.LG Series		

**Refer to Lutron "LED Product Report Card" for additional information.*

Leviton

Illumitech	IPI/RPI.Series	Trimatron	6681/6683/6602
Sureslide	663.Series		

Incandescent Dimmers with Minimum Brightness Adjustment (Low End Trim), Circuit Load of 4 LED Modules or More, Dimming to 5%

Leviton

Illumitech	IP10/IP40/IPM406/IPM10 Series dimmers
Acenti	ACI/ACE/ACX/ATI Series (Programmable trim)
Vizia +	VPI/VPE/VPX.Series (Programmable trim)

Whole House Integrated Control Systems

Lutron*

Homworks	HW-RPM-4A-120 Remote Power Module-Adaptive Dimming
	HW-RPM-4V-120 Remote Power Module-Dimming
	HWD-5NE, HRD-5NE Wired Maestro and RF Maestro Local Controls

**Refer to Lutron "LED Product Report Card" for additional information.*

Commerical Integrated Control Systems

Lutron*

Commercial Panel Systems	LP-RPM-4A120 Remote Power Module - Adaptive Dimming

**Refer to Lutron "LED Product Report Card" for additional information.*

Universal Wireless Dimmers (Incandescent, Magnetic Low Voltage, Electronic Low Voltage), Minimum Circuit Load of Two LED Modules, Dimming to 15%

Watt Stopper

Miro Universal	DRD4 Series Dimmers
	DCD267 Series Dimmers
	DCD68 (series multilocation - When used with DRD4 or DCD267 series master dimmers

Incandescent Wireless Dimmers, Minimum Circuit Load of Five LED Modules, Dimming to 15%
A 15W minimum incandescent load or a neutral in the wall box are recommended to reliably dim

Watt Stopper

Miro Incandescent	DRD2 Series Dimmers
	DCD26 Series Dimmers
	DCD68 (series multilocation - When used with DRD2 or DCD26 series master dimmers

Application Notes

1. LED Dimming performance may vary from incandescent dimming. Performance results may vary based upon dimmer model, manufacturer, circuit wiring and circuit loading.
2. Dimmer maximum load rating with LED may differ from published Incandescent and Electronic Low Voltage dimmer ratings. Consult dimmer manufacturer for maximum dimmer load with Halo LED.
3. There are no warranties of performance or compatibilty implied.

SPECIAL NOTE:
Incandescent Digital Dimmers (also called Smart or Multi-Location) require an incandescent load. For circuit loads with LED modules only - use electronic low voltage dimmers, (Refer to Electronic Low Voltage dimmer matrix)

ORDERING INFORMATION

SAMPLE NUMBER: ML706830 494P06

Order LED Module and trim separately

600 Series LED Module

ML706

ML706= 6" LED Module 600 Series LED

8

8=80 CRI

30

27=2725°K
30=3045°K
35=3465°K
40=3985°K

Trim Options

494P06=Matte White Reflector/ white die cast trim ring.
494WB06=White Baffle/ white die cast trim ring.
494H06=Haze Reflector/ white die cast trim ring.
494SC06=Specular Reflector/ white die cast trim ring.
492PS06=Regressed Lens, white die-cast baffle and trim ring. Shower rated.
493WBS06=Solite® Regressed Lens, upper reflector, White die-cast baffle and White die-cast trim ring with anti-microbial paint (standard). Shower Rated.
493SCS06=Solite® Regressed Lens, upper reflector, Specular Clear die-cast reflector and die-cast white trim ring. Shower Rated.
493HS06=Solite® Regressed Lens, upper reflector, Haze die-cast reflector, and white die-cast trim ring. Shower Rated.
493SNS06=Solite® regressed Lens, upper reflector, Satin Nickel die cast reflector and Satin Nickel die-cast trim ring. Shower Rated.
493TBZS06=Solite® Regressed Lens, upper reflector, Tuscan Bronze die-cast reflector and Tuscan Bronze die-cast trim ring. Shower Rated.
493BBS06=Solite® Regressed Lens, Black die-cast baffle with die-cast white trim ring. Shower Rated.

Accessories
(see product details for application information)

OT400P=Oversize White Metal Trim Ring 6" ID x 9-1/4" OD
OT403P=Oversize White Plastic Trim Ring 6" ID x 8" OD
H277=300VA Transformer - Steps 277 line voltage down to 120V (see App. Note)
H347=75VA Transformer - Steps 347 line voltage down to 120V (see App. Note)

Thin Profile Trim Rings:
TRM490WH=Thin Profile matte white die-cast trim ring
TRM490SN=Thin Profile Satin Nickel die-cast trim ring
TRM490TBZ=Thin Profile Tuscan Bronze die-cast trim ring
TRM490BK=Thin Profile Black die-cast trim ring
TRM490PC=Thin Profile Polished Chrome die-cast trim ring

ML7RAB=Retrofit Adapter Band for Housings without Torsion Spring Receivers. The ML7RAB kit supplies parts to retrofit four housings; the kit includes: 4 – Retrofit Adapter Bands with screws and locking wire nuts.

3 YEAR PRODUCT LIMITED WARRANTY

Cooper Lighting (The Company) warrants the HALO ML7068xx LED Modules, HALO H750x Series housings and HALO LED trims against defects in material or workmanship for a period of three years from date of original purchase, and agrees to repair or, at the company's option, replace a defective product without charge for either replacement parts or labor during such time. This does not include labor to remove or install fixtures. If used in recessed housings other than Halo or ALL-Pro, the Cooper Lighting 3-year warranty applies to the LED Module and trim only.

This warranty is extended only to the original purchaser of the product. A purchasers receipt or other proof of date of original purchase acceptable to the Company is required before warranty performance shall be rendered.

This warranty only covers product failure due to defects in materials or workmanship which occurs in normal use. It does not cover the failure of product caused by accident, misuse, abuse, lack of reasonable care, alteration, or faulty installation, subjecting the product to any but the specified electrical service or any other failure not resulting from defects in materials or workmanship. Damage to the product caused by separately purchased, non-Company supplied components and corrosion or discoloration of components are not covered by this warranty. There are no express warranties except as described above.

THE COMPANY SHALL NOT BE LIABLE FOR INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL IMPLIED WARRANTIES, IF ANY, INCLUDING IMPLIED WARRANTS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THIS EXPRESS WARRANTY. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

No other warranty, written or verbal, is authorized by the Company. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty service, please write to Cooper Lighting, 1121 Highway 74 South, Peachtree City, Georgia 30269. Enclose product model number and problems you are experiencing, along with address and telephone number. You will then be contacted with a solution or a Return Goods Authorization number and full instructions for returning the product. All returned products must be accompanied by a Return Goods Authorization Number issued by the Company and must be returned freight prepaid. Any product received without a Return Goods Authorization Number from the Company will be refused.

Cooper Lighting is not responsible for merchandise damaged in transit. Repaired or replaced products shall be subject to the terms of this warranty and are inspected when packed. Evident or concealed damage that is made in transit should be reported at once to the carrier making the delivery and a claim filed with them.