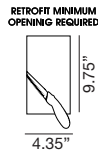
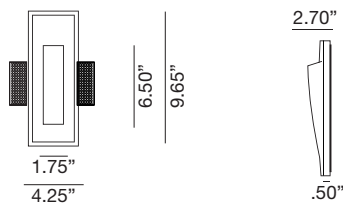


LG-4002

Wall Recessed Steplight LED



Quick Info

Project Information:	Project Name:
Fixture Type:	Location:

HARMONY

The Harmony LED Plaster Recessed Light

Revolutionary Plaster light fixture which allows for a truly seamless and trimless installation. Our fixtures are paintable and texturable using standard paint and paint colors.

LED lighting engine is high performance, low power that provides outstanding reliability and color quality/consistency. 2700K, 3000K color temperatures are available with 90 CRI.

- Life Rated for 40,000 hours at 70% lumen maintenance
- All testing reports are based on published industry procedures
- For best results, do not paint the inside of the fixture. If painting is necessary we recommend using a spraying technique. Painting with a brush will reveal brush strokes when illuminated.



Application New Construction / Remodeling	
Delivered Lumens 80 lm (1W)	Color Quality 90 CRI, 2-step SDCM
Color Temperature 2700K 3000K	Light Distribution Stairway Pathway
Input Voltage 3V DC (Remote power supply)	Dimming TRIAC
Trims Gypsum Flangeless (seamless)	
Housing Ratings N/A	Module Ratings Wet Location
Guarantee 40,000 hrs 3 years	Additional Dimming Options 0-10 / DALI Dimming / Lutron EcoSystem

LG-4002

Wall Recessed Steplight LED

Project Information:	Project Name:
Fixture Type:	Location:

Ordering Guide

PRODUCT CODE

LG - 4002

MODEL

☐ CL2-MR11 - 80 LUM

COLOR TEMPERATURE

☐ 27K - 2700K

☐ 30K - 3000K (STANDARD)

CRI

☐ 90 - 90 CRI

BEAM SPREAD

☐ 38°

Example Number

LG-4002 CL2-MR11 30K 90 38 T

Order Number

LG-4002 CL2-MR11 ____ 90 38 ____

DIMMING OPTION (Excluded from price)*

☐ T - Triac (STANDARD)

☐ 0 - 10

☐ D - Dali

☐ Eco - Hi-lume Premier 0.1% EcoSystem LED driver with soft-on, fade-to-black dimming technology

* REQUIRED - Zone schedule, please include in your request how many lights on each switch leg.

EXAMPLE:

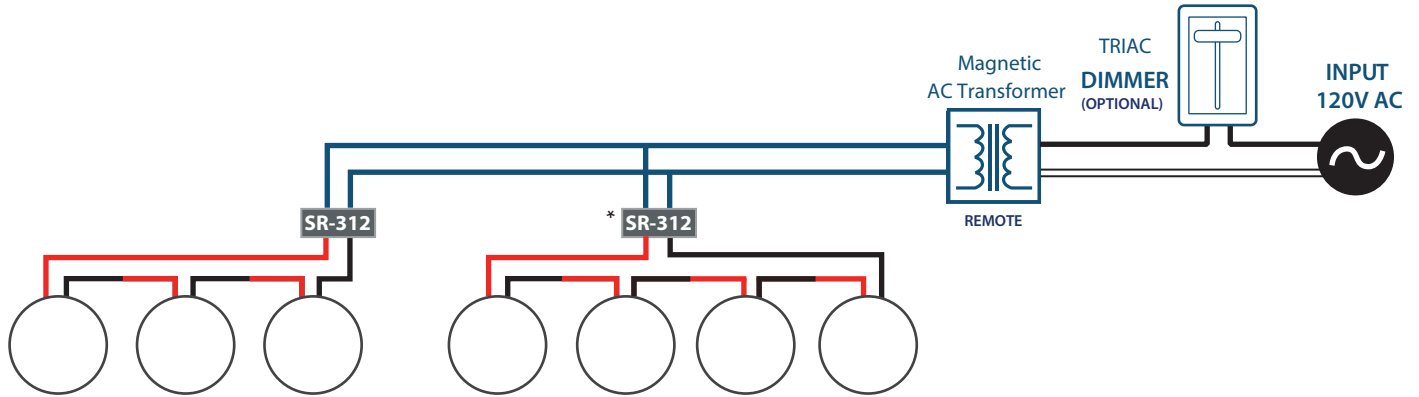
Switch Leg	Fixture Qty
1	12
2	8
3	9
4	5

LG-4002

Wall Recessed Steplight LED

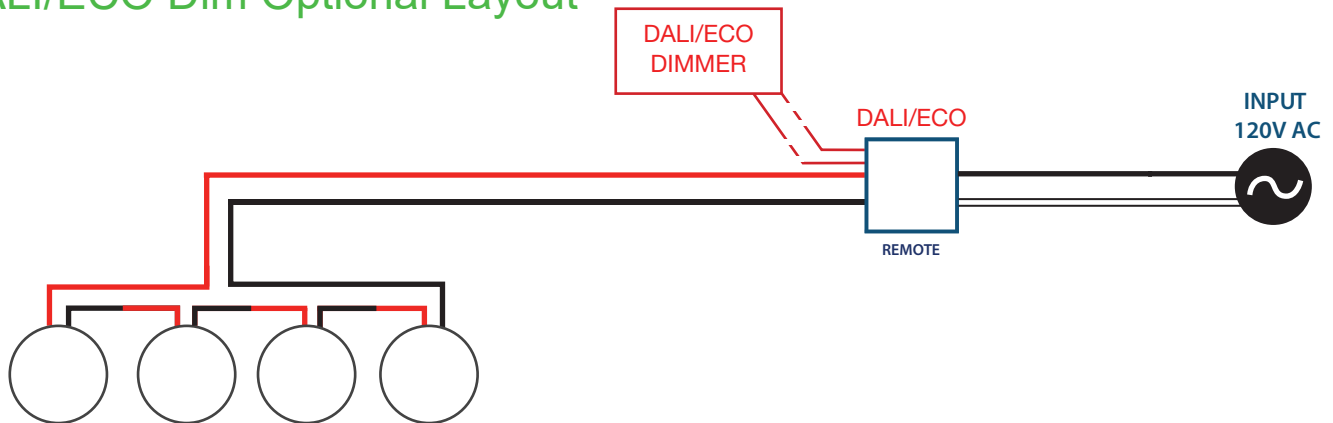
Project Information:	Project Name:
Fixture Type:	Location:

TRIAC Dim Optional Layout



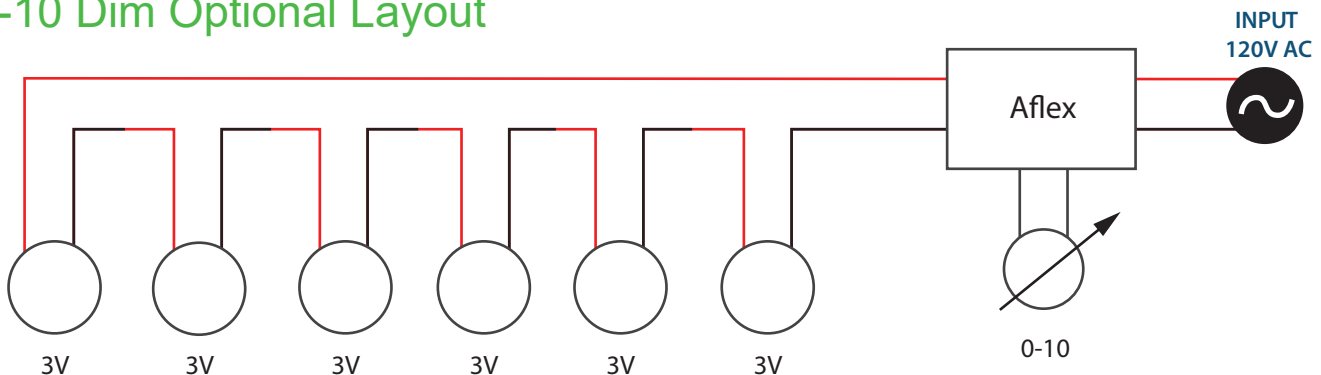
*SR-312 carries a load of 2-5 fixtures

DALI/ECO Dim Optional Layout



* Carries a load of 4-16 fixtures

0-10 Dim Optional Layout



TRIAC Dimming Option

SR312 Specifications

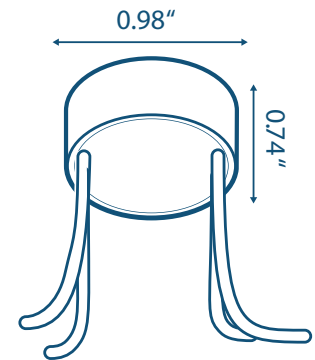
Project Information:	Project Name:
Fixture Type:	Location:

Low Voltage Constant Current LED Driver

Product Code: SR312

12V Low Voltage drivers have an input voltage range of 9V – 15V and are available in versions outputting 350mA, 450mA or 700mA. In addition, we offer custom calibrations to meet your needs. Because of their advanced design, they output precise current and can be used in a wide range of fixtures powering a wide range of LEDs and is compatible with existing systems fitted with magnetic transformers.

Dimmable with any standard TRIAC in-line dimmer. Their fully encapsulated form-factors are small enough for any OEM fixture. They are ideal for Landscape Lighting, Path Lighting, Area Lighting and Spotlights. Packaged in an anodized aluminum case, they are designed for outdoor and wet environments.



Features

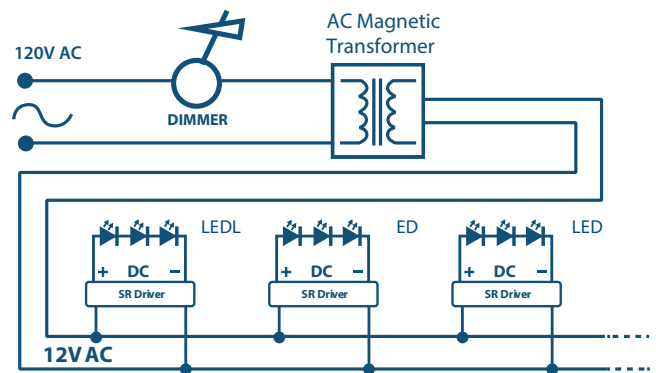
Dimmable with any standard MLV TRIAC Dimmer
AC or DC 12V Input

Wide voltage range 2-4 LEDs in series

Super compact Aluminum case

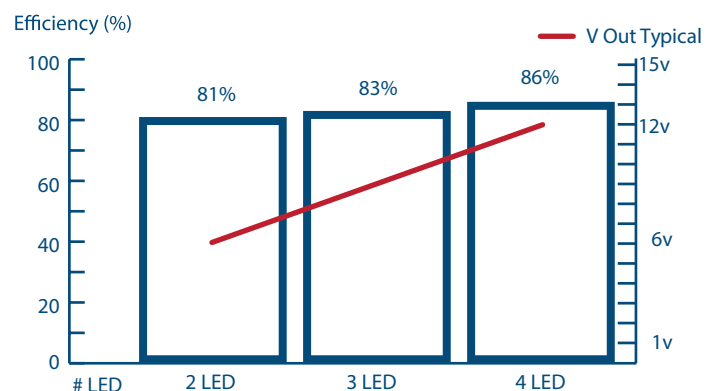
Withstands dry and damp conditions

IP67 Class 2



Specifications

Output Power	4.9 W Max
Output Current	350 mA
# LED (typical)	2-4 (6-12V)
Input Voltage (nominal)	12 V AC / 12V DC
Input Voltage Min	9.5 V AC/DC
Input Voltage Max	15 V AC/DC
Operation Temp.	-30°C +70°C
Dimensions L*W*H	0.98 in. x 0.98 in. x 0.74 in.
Constant Current Accuracy	± 10%
Efficiency (Typical)	83%
Working Humidity	20~95%
Storage Temp.	-40~ +90°C
Max Case Operation Temp.	<70°C
Wire Gauge (in \ out)	18AWG \ 18AWG
Safety Standards	UL8750
EMC Immunity \ Emission	Compliance to FCC Part 15B



Project Information:	Project Name:
Fixture Type:	Location:

SPECIFICATIONS

*Specifications are at 25°C (unless specified otherwise)

Input

Input Voltage Range	120 - 277VAC / VDC $\pm$ 10%
Input Frequency	50 / 60Hz
Input current	0.29A@120VAC / 0.15A@277VAC
Inrush Current	38A Max (refer to graph, page 10)
Efficiency	> 88% (refer to graph, page 6)
Power Factor	0.991@120VAC / 0.9@277VAC (refer to graph, page 7)

Output

Output Voltage Range	3 - 57VDC
Output Current Range	100 - 1400mA (1mA step programmable)
Output Current Tolerance	$\pm$ 5%
Output Current Ripple	$\pm$ 5% @ max load
Line Regulation	$\pm$ 0.5%
Load Regulation	$\pm$ 0.5%
Turn On Delay Time	0.4 sec @ max load
Sensor Power Supply (Auxiliary)	12V up to 80mA
Stand-By Power	> 1W

Environmental

Env. Protection Rating	IP 21 - indoor use only
Surge Protection	2.5 KV
Operating Ambient temperature	-40°C - +60°C
Operating temperature	-40°C - +75°C
Storage temperature	-40°C - +85°C
Expected life time	50K hours at 75°C (refer to graph, page 10)
EMI Compliance	FCC 47CFR Part 15 Class B
Audible Noise	< 24db Class A
Withstanding Voltage	2.5 KV

30W Programmable Driver

Dimming Control	0-10V
Dimming input Range	-2V - +15V
Dimming Curves	Linear / Logarithmic (Programmable)
Min. Dimming level	Dim down to 0.1%
Dim to Off	Yes (Programmable)
Current Consumption	0.35mA / Source
PWM Dimming	2000Hz

LED Thermal Protection (NTC) - refer to page 8

NTC Value	Manufacturer: Vishay	15 k Ω $\pm$ 5% @25 $^{\circ}$ c	Manufacturer P/N: NTCS0805E3153JMT
Output Level range	1mA step programmable (0 - 100%)		

Protections

Over Current Protection	Yes; current limit
Short Circuit Protection	Yes; hiccup mode
Over Voltage Protection	Yes; hiccup mode
Over Temperature Protection	Yes; power derating (refer to graph, page 9)
Mis-Wiring Protection	Yes; auto shutdown

Mechanical & Housing

Length	4.19" Inch (106.4mm)
Mounting Length	4.94" Inch (125.7mm)
Width	2.59" Inch (65.8mm)
Height	1.00" Inch (25.4mm)
Housing material	Aluminium
Housing Color	Blue anodized
Junction Box	No
Input Connectors type	black & white/ Wago 253, dual side / 16-20AWG strip 3/8"
Output Connectors type	red & blue / Wago 253, dual side / 16-20AWG strip 3/8"
Dimming Connectors type	purple & gray / Wago 253, dual side / 16-20AWG strip 3/8"
Auxiliary Connectors type	yellow & gray / Wago 253, dual side / 16-20AWG strip 3/8"
NTC Connectors type	orange & orange / Wago 253, dual side / 16-20AWG strip 3/8"
Mounting	Two hole flange mounting

Approval markings

Certificates/Approval signs	UL 8750 class 2, class P
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MAGNITUDE LIGHTING

Dimmer Compatibility

Project Information:	Project Name:
Fixture Type:	Location:

MAGNITUDE DIMMER COMPATIBILITY

The Dimmers listed below were tested with the specified Magnitude LED Driver Series. Performance of the Dimmers may vary within the same series or with different LED load types. Other dimmers may be compatible. Compatibility List may change without prior notice. Please contact Magnitude technical personnel for more information.

DIMMER	120V MAGNETIC SERIES	277V MAGNETIC SERIES	T-SERIES	E-SERIES	LinDrive SERIES	SoliDrive SERIES	CCT SERIES	AFlex SERIES
Legrand Adorne ADWR700MMTUW2	✓		✓	✓	✓		✓	
Leviton illumaTech-IP7 (Logarithmic)						✓		✓
Leviton IP710-LFZ (Linear)						✓		✓
Leviton SureSlide 6633-PLW	✓		✓	✓	✓		✓	
Leviton Vizia VPM06-1LZ	✓		✓	✓	✓		✓	
Lutron Ariadni AYL-600P	✓		✓	✓	✓		✓	
Lutron Caseta PD-WCL	✓		✓	✓	✓		✓	
Lutron Caseta PD-10NXD	✓		✓	✓	✓		✓	
Lutron Diva DV-600P	✓		✓	✓	✓		✓	
Lutron Diva DVLV-600P	✓		✓	✓	✓		✓	
Lutron Diva for 0-10 DVSTV						✓		✓
Lutron DVSTV (Linear)						✓		✓
Lutron Maestro 0-10						✓		✓
Lutron Maestro MA-1000	✓		✓	✓	✓		✓	
Lutron Maestro MA-600	✓		✓	✓	✓		✓	
Lutron Nova N-1000	✓		✓	✓	✓		✓	
Lutron Nova N-600	✓		✓	✓	✓		✓	
Lutron Nova NTLV-1000-277		✓						
Lutron Nova NTLV-600	✓		✓	✓	✓		✓	
Lutron Nova NTLV-600-277		✓						
Lutron Nova Star NT-1PS 277VAC						✓		✓
Lutron Rotary D-600	✓		✓	✓	✓		✓	
Lutron RaidoRA2 RRD-6ND	✓		✓	✓	✓		✓	
Lutron SkyLark CTCL-153PD	✓		✓	✓	✓		✓	
Lutron SkyLark S-600	✓		✓	✓	✓		✓	
Lutron SkyLark SLV-600P	✓		✓	✓	✓		✓	
Lutron Toggler TGCL-153PH	✓		✓	✓	✓		✓	
Lutron Vareo V-600	✓		✓	✓	✓		✓	
Leviton Renoir II Renoir AWSMG-MBW		✓						
Leviton Renoir II Renoir AWSMG-MDW		✓						
Wattstopper DCLV1 (Logarithmic)						✓		✓

Direct current dimmable electronic drivers with DIP-SWITCH
Alimentatori elettronici regolabili in corrente continua con DIP-SWITCH

Made in Italy



IS 15885
(Part 2 / Sec 13)
R - 41049751



DIM-TO-WARM



DC MINI JOLLY DALI



DC MINI JOLLY DALI BI



Rated Voltage
Tensione Nominale

110 ÷ 127 V ⁽²⁾

220 ÷ 240 V

Frequency
Frequenza

50-60 Hz

AC Operation range
Tensione di utilizzo AC

99 ÷ 264 V

DC Operation range
Tensione di utilizzo DC

(see page info15)

176 ÷ 280 V

Power

Potenza

1 ÷ 20 W

Output current ripple

≤ 3% ⁽¹⁾

Standards compliance

CSA C22.2 no. 223 ⁽²⁾

EN 50172 (VDE 0108)

EN 55015

EN 61000-3-2

EN 61000-3-3

EN 61347-1

EN 61347-2-13

EN 61547

EN 62384

EN 62386-101

EN 62386-102

EN 62386-207

UL 1310 ⁽²⁾

VDE 0710-T14

Max. pcs for CB B16A

(see page info17)

50 pcs

In rush current

5A 50μsec

Article Articolo	Code Codice	Dimming type	P out W	V out DC ⁽¹⁾	I out DC	U out V	ta °C	tc °C	λ max. Power Factor	η max. Efficiency ⁽¹⁾	
DC MINI JOLLY DALI	125403 ⁽⁴⁾ 151403 ⁽⁵⁾	AM/PWM AM	Constant current output - Uscita in corrente costante ⁽⁴⁾⁽⁵⁾				-25...+45	75	0,95 C	> 87	
			12 (12 ⁽²⁾)	15...49	250 mA cost.	55					
			17 (15 ⁽²⁾)	10...49	350 mA cost.						
DC MINI JOLLY DALI BI	125403BI ⁽⁴⁾ 151403BI ⁽⁵⁾	AM/PWM AM	19 (15 ⁽²⁾)	5...49	400 mA cost.						
			20 (15 ⁽²⁾)	5...45	450 mA cost.						
			20 (15 ⁽²⁾)	5...40	500 mA cost.						
			20 (15 ⁽²⁾)	3...36	550 mA cost.						
			20 (15 ⁽²⁾)	3...33	600 mA cost.						
			20 (15 ⁽²⁾)	3...28	700 mA cost.						
			Constant voltage output - Uscita in tensione costante ⁽⁴⁾								
			16 (15 ⁽²⁾)	24 cost.	700 mA max.	-					

⁽¹⁾ Referred to V_m = 230 V, 100% load - Riferito a V_m = 230 V, carico 100%

⁽²⁾ 125403BIS - 151403BIS - 125403BIBIS - 151403BIBIS:

order codes for BIS marked products - codici di ordine per i prodotti marchiati BIS

Features

- Multipower driver supplied with dip-switch for the selection of the output current.
- IP20 independent driver, for indoor use.
- Class II protection against electric shock for direct or indirect contact.
- Driver for built-in use (DC MINI JOLLY DALI BI).
- It can be used for lighting equipment in protection class I and II (DC MINI JOLLY DALI BI).
- IP00, creepage distances and clearances rely on the final application according to IEC/EN 60598-1 (DC MINI JOLLY DALI BI).
- Active Power Factor Corrector.
- Analogical input (NTC) for thermal sensor connection.
- Current regulation ±5 % including temperature variations.
- Input and output terminal blocks on the same side (wire cross-section up to 1,5 mm² / AWG15).
- Clamping screws on primary and secondary circuits for cables with diameter: PRI 5-8 mm / SEC 3-5 mm.
- Protections:
 - against overheating and short circuits;
 - against mains voltage spikes;
 - against overloads.
- Thermal protection = C.5.a.

Caratteristiche

- Alimentatore multipotenza fornito di dip-switch per la selezione della corrente in uscita.
- Alimentatore indipendente IP20, per uso interno.
- Protetto in classe II contro le scosse elettriche per contatti diretti e indiretti.
- Alimentatore da incorporare (DC MINI JOLLY DALI BI).
- Utilizzabile per apparecchi di illuminazione in classe di protezione I e II (DC MINI JOLLY DALI BI).
- IP00, le distanze di sicurezza sono demandate all'applicazione finale, in accordo alla IEC/EN 60598-1 (DC MINI JOLLY DALI BI).
- PFC attivo.
- Entrata analogica (NTC) per connessione sensore termico.
- Corrente regolata ±5 % incluse variazioni di temperatura.
- Morsetti di entrata e uscita sullo stesso lato (sezione cavo fino a 1,5 mm² / AWG15).
- Serracavo su primario e secondario per cavi di diametro: PRI 5-8 mm / SEC 3-5 mm.
- Protezioni:
 - termica e cortocircuito;
 - contro le extra-tensioni di rete;
 - contro i sovraccarichi.
- Protezione termica = C.5.a.

