MARETTI
LIGHTING

Maretti Lighting
Bolderweg 7

1332 AX Almere
the Netherlands

T +31 (0) 36 532 66 12

E info@maretti.com
W www.maretti.com

Maretti Lighting is well-known in the World of interior design. In businesses, homes, store chains, and hospitality facilities all over the world, Maretti is unmistakable present with its project lighting that does more than just provide light. We make lighting an essential part of the interior. Maretti stands for stylish top quality and trendsetting design, modern, timeless and most of all, original.

Maretti Lighting works with all the top brands in the lighting industry, but we are especially notable for our own large product line and introduce our own brand name "Maretti". Our production team distinguishes itself time and time again with unique innovations from our own atelier and therefore our projects exude an entirely unique identity.

© Copyright Maretti Projectverlichting.
Our IM was made with the greatest of care. Nevertheless, the colours displayed in the IM may differ slightly from the real colours because of the printing process. Colour, size and range are subject to change. Nothing from this IM may be copied, reproduced and/or published by print, photocopy or in any other way without Maretti Lighting's written permission. All product and design copyrights belong to Maretti Lighting.

GUARANTEE TERMS AND CONDITIONS
The other party should inspect the delivered items immediately upon receipt with regard to its soundness. Entitlements to repair or replacement only exist if the other party
- In the case of visible defects, informs MPV of them immediately.
- In the case of defects that are not visible, informs MPV in writing of the defects, within 2 working days after the day the defects were found, or in all reason could have been found and furthermore demonstrates that the MPV instructions for use, maintenance and operation were followed, whilst the defects are not the consequence of normal wear and tear, misuse, negligence, accident, exceeding the limits prescribed by the MPV or by the legal safety regulations, or, in the case of a repair or change without MPV's consent or the consent of its recognised repairer, there will be no entitlement to repairs or replacement. The parts that have to be replaced must be made available free of charge to MPV. Noncompliance by the other party to one or more of its obligations will release MPV of all its guarantee obligations.
In the case of assembly of the other party's own products by Maretti, MPV will release itself from all guarantee stipulations.
Moreover, our general delivery terms and conditions are applicable. These can be obtained from Maretti or can be downloaded from www.maretti.com

The installation must be done by a competent installer. Maretti recommends that your (outside) lighting and fixtures are inspected and maintained annually.

D:	Für Garantiebedingungen bitte lesen Sie unsere Webseite	www.maretti.com
E:	Consulte nuestro sitio web para los condiciones de garantia	www.maretti.com
FR:	Consultez notre site web pour les conditions de garantie	www.maretti.com
NL:	Voor garantievoorwaarden zie onze website	www.maretti.com

16.9752.2403
16.9752.2403.E EUROPLUG
16.9752.2403.G GST18
16.9752.2403.W WINSTA

DRIVER
24VDC 30W

DRIVER		
OUTPUT	DC Voltage	24V
	Adj. Voltage Range	21.5-25.5V
	Rated Current	1.25A
	Rated Power	30W
	Voltage Tolerance	±0.5V
	Voltage Regulation	±0.5%
	Load Regulation	±1.5%
INPUT	Voltage Range	200-240V AC
	Frequency Range	47-63Hz
	Power Factor (Typ.) @ full load	0.97@230VAC
	THD (Typ.) @ full load	<20%
	Efficiency (Typ.)	79%
	AC Current (Max.)	0.22A@200VAC
	Inrush Current (Typ.)	30A,50%,90us
	Leakage current	<0.50mA
PROTECTION	Short Circuit	Shut down o/p voltage, re-power on to recover after fault condition is removed
	Over Loading	≤120% shut down o/p voltage, re-power on to recover
	Over Temperature	100°C ±10°C shut down o/p voltage, automatically recover after cooling.
ENVIRON-MENT	Working Temp.	-40°C~+60°C (see below derating curve)
	Working Humidity	20~90%RH, non-condensing
	Storage Temp. Humidity	-40~+80°C,10~95%RH
	TEMP .coefficient	±0.03%/°C (0~50°C)
	Vibration	10~500Hz, 2G 10min./1 cycle,period for 60min. each along X,Y,Z axes
SAFETY&EMC	Safety Standards	EN61347-1 EN61347-2-13
	Withstand Voltage	I/P-O/P:3.75KVAC
	Isolation resistance	I/P-O/P:100MΩ/500VDC/25°C /70%RH
	EMC EMISSION	EN55015,EN61000-3-2,3 (≥60%loading)
Others	Net. Weight	0.21Kg
	Dimension	155x54x20mm (LxWxH)

ELECTRICAL DATA	
Max. ECG no. on circuit breaker 10 A (B)	46
Max. ECG no. on circuit breaker 16 A (B)	74

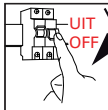
NOTES	
	1. All parameters if NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. To extend the driver's using life, please reduce the loading at lower input voltage.

DIM IP20 SELV CE

16.9752.2403
16.9752.2403.E EUROPLUG
16.9752.2403.G GST18
16.9752.2403.W WINSTA

DRIVER 24VDC 30W

instructions



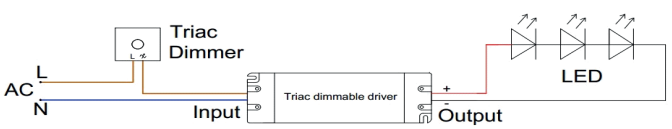
Schakel altijd eerst de stroom uit voordat u installatie-, onderhouds- of reparatiewerkzaamheden uitvoert.

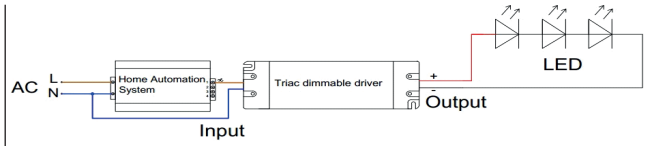
Always switch off the mains voltage before carrying out installation, maintenance and repair work.

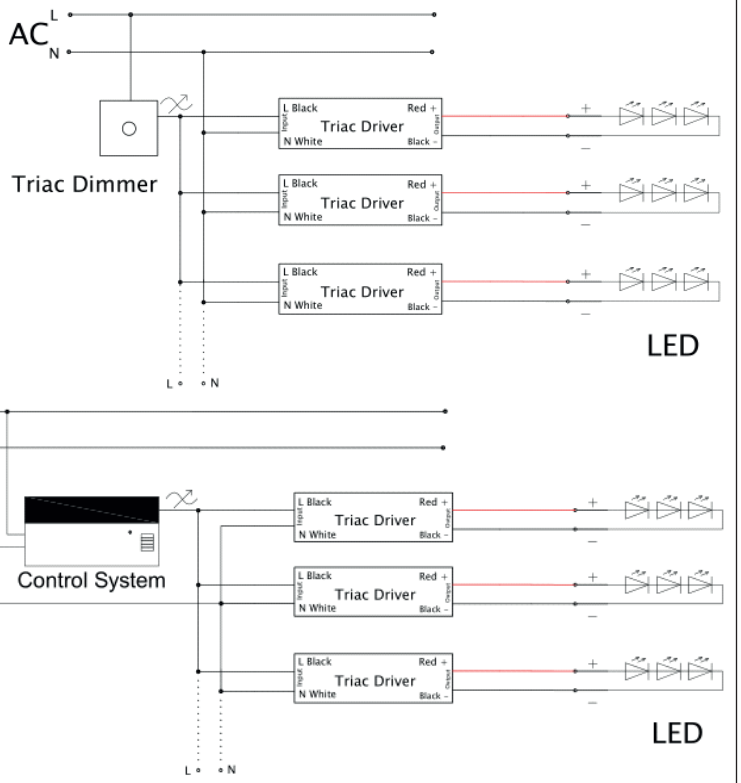
INSTRUCTION
1)This driver should be installed by qualified and professional person;
2)Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
3)Ensure that wiring is correct before test in order to avoid light and power supply damage.

DIMMING OPERATION
- The Pulse-Width Modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line(L) by connection a phase/triac dimmer.
- Usually matching with leading edge and trial edge Triac Dimmers both
- Please try to use dimmers with power at least 1.5 times as the output power of the driver.

CONNECTING DIAGRAM

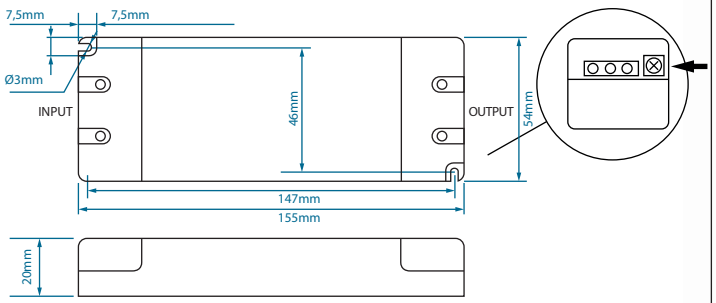






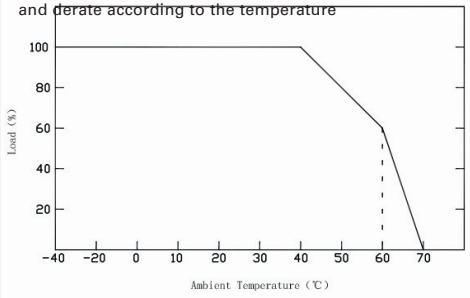
MECHANICAL SPECIFICATION

Unite: mm
Tolerance:P0.5-2mm
Set-screw in output side.



DERATING CURVE

- To extend their life, please refer to the Derating Curve and derate according to the temperature



Geadviseerde dimmer / Recommended dimmer: Berker 2873

LED-draaidimmer 3–100 W (fase-aansnijdingsdimmer)
LED rotary dimmer 3–100 W (leading-edge dimmer)

- Input (L) and (N) with wire to be connected with AC
- Output terminals "Red" to LED Positive side (+), "Black" to LED Negative side (-).
- Suggested wire diameter:Input 0.75-2.5m m²; Output:0.5-2.5m m².
- Please make sure you connect these correctly otherwise your product will not function correctly and could be damaged.
- Slightly adjustable output voltage ,adjutable range for 12V: 10-13V; 24V : 21.5-25.5V; The set-screw in the output side.
- Note: Any other requests we can customized.

LET OP: Volg en bewaar deze gebruiksaanwijzing.
- Zorg ervoor dat de netspanning uitgeschakeld is voor installatie, reparatie of onderhoud. (Installatie, reparatie en onderhoud uitsluitend door gekwalificeerde personen).
- Voor reparatie of onderhoud uitsluitend originele delen gebruiken. Probeer het product niet zelf te demonteren en te repareren, onjuiste reparaties kunnen het product beschadigen en elektrische schokken veroorzaken wat tot ernstig letsel kan leiden.
- Gebruik het armatuur alleen binnenshuis.
- Het armatuur niet in vochtige of natte ruimte gebruiken.

De fabrikant aanvaardt geen enkele aansprakelijkheid voor letsel of schade als gevolg van een verkeerde toepassing van het armatuur.
De fabrikant aanvaardt geen garantie in geval van het niet behandelen van de lampen volgens de richtlijnen van de fabrikant.
Als er schade aan elektrische onderdelen te vinden zijn, vraag dan een elektricien om het te vervangen.

Onderhoud is behoud:
Een goede instandhouding van het armatuur is sterk afhankelijk van omgevings- en onderhoudsfactoren. Hierop kunnen wij geen invloed uitoefenen.
- Schakel voor de zekerheid de elektriciteit uit!
- Gebruik geen bijtende, chemische of schurende schoonmaakmiddelen.

NOTE: Follow and keep this instructions manual.
- Make sure that the mains voltage is switched off for installation, reparation or maintenance. (Installation, reparation and maintenance only by qualified persons).
- Use only original parts for repairs or maintenance. Never attempt to disassemble, repair or alter the product in any way, improper repairs could damage the product causing electrical shocks which may cause serious injury.
- Use the fixture only indoors.
- Don't use the fixture in humid or wet areas.

The manufacturer accepts no liability for any injuries or damages resulting from the incorrect use or installation of the fixture.
Any operation performed on the fixture that is not in accordance with instructions will void manufacturer's warranty.
If you find any damage to the electrical parts, please ask a qualified electrician to replace it.

Maintenance is preservation:
A good preservation of the fixture is highly dependent on environmental factors and maintenance. We cannot exercise any influence on this.
Make sure that the mains voltage is switched off before you begin.
- Do not use strong, chemicals or abrasive cleaners.

"No rights can be derived from the information provided on this Instruction Manual. Information on the Instruction Manual has been compiled with the utmost care and is updated on a continuous basis. Nevertheless Maretti cannot guarantee that all information is free of errors, complete or fully up to date."