

In nature,
nothing is perfect
and everything
is perfect.
Trees can be
contorted,
bent in weird
ways, and they're
still beautiful.

(Alice Walker)

IT *In natura niente è perfetto e tutto è perfetto.
Gli alberi possono essere contorti, incurvati in modi
bizzarri, ma risultare comunque bellissimi.*

&CO/LLECTION is the new range of products made in [LND].

They originate from the wish to **find a new place for light in its natural environment: nature**. With awareness, we have maintained all the bio-aspect features of the materials to be able to give you a new anthology of organic light.

It is for this very reason that, in this collection, you will never find aesthetically perfect products, with an icy cold, industrial look. For this reason we have taken the names of this collection from the Cactus family. The beauty of this variety of plants is that although they are all very similar, due to their thorns, aesthetic conformation and properties, they are always different from each other in shape and size.

Uniqueness in diversity has been our design leitmotiv.

&CO / LLECTION

IT *&CO/LLECTION è la nuova gamma di prodotti made in [LND].*

*Nasce dalla volontà di **ri-collocare la luce nel suo ambiente naturale: la natura**. Con coscienza, abbiamo mantenuto tutte le caratteristiche di bio-aspetto dei materiali per potervi dare una nuova antologia di luce organica.*

Proprio per questo motivo non troverete mai, in questa collezione, prodotti esteticamente perfetti, dall'aspetto algido e industriale. Per questo motivo abbiamo preso a piene mani i nomi di questa collezione dalla famiglia delle Cactacee. Il bello di queste varietà di piante è che pur essendo tutte molto simili, per via delle spine, della conformazione estetica e delle proprietà, sono sempre diverse l'una dall'altra per forma e dimensioni.

L'unicità nella diversità è stato il nostro leitmotiv di progettazione.





HIGH LUMINOUS
EFFICIENCY AND
VISUAL COMFORT

[ALTA EFFICIENZA LUMINOSA E COMFORT VISIVO]

[MASSIMA RESISTENZA]

MAXIMUM
DURABILITY



DESIGN, POWER
AND TECHNOLOGY

[DESIGN, POTENZA E TECNOLOGIA]

In the world does one human being exist who is identical to another? One animal the same as its nearest brother? We have listened to Nature and it has described for us, once again, that **one is unique** thanks to its anomalies.

So, the lesson transfers itself to non-mass and non-industrial production. For [LND] **uniqueness, originality** and care for details are, precisely what makes the **&CO/LLECTION** extraordinary. All that's left to do is to release the [LND] products into their &CO/system.



Imper- fection is our note of per- fection.

IT_ *L'imperfezione è la nostra nota di perfezione.*

*Esiste al mondo un essere umano uguale all'altro? Un animale uguale al suo più prossimo fratello? Abbiamo ascoltato la Natura e ci ha descritto, ancora una volta, che **uno è unico** grazie alle sue anomalie.*

*La lezione si trasferisce così alla produzione non in serie, non industriale. Per [LND] Sono per l'appunto **l'unicità, l'originalità** e la cura dei dettagli a rendere la famiglia **&CO/LLECTION** straordinaria. Non resta che liberare i prodotti [LND] nel loro &CO/sistema.*

wood
to
change
the
world



Accoya® timber is produced by Accsys in its factory in Arnhem in the Netherlands. Accsys transforms certified sustainable, fast growing timber into Accoya® through its proprietary acetylation process.

IT Legno per cambiare il mondo

Il legno Accoya® è prodotto da Accsys nel suo stabilimento di Arnhem, nei Paesi Bassi. Accsys trasforma il legno sostenibile certificato a crescita rapida in legno Accoya® attraverso il suo processo di acetilazione proprietario.

25 year warranties
Garantito per 25 anni

Highly stable
Eccezionale stabilità

Highly durable
Eccezionale durabilità

Long service life
Lunga vita utile

Low maintenance
Bassa manutenzione

Ideal for coating
Ideale per la verniciatura

Multiple finishes
Molteplici finiture

Natural wood
Legno naturale

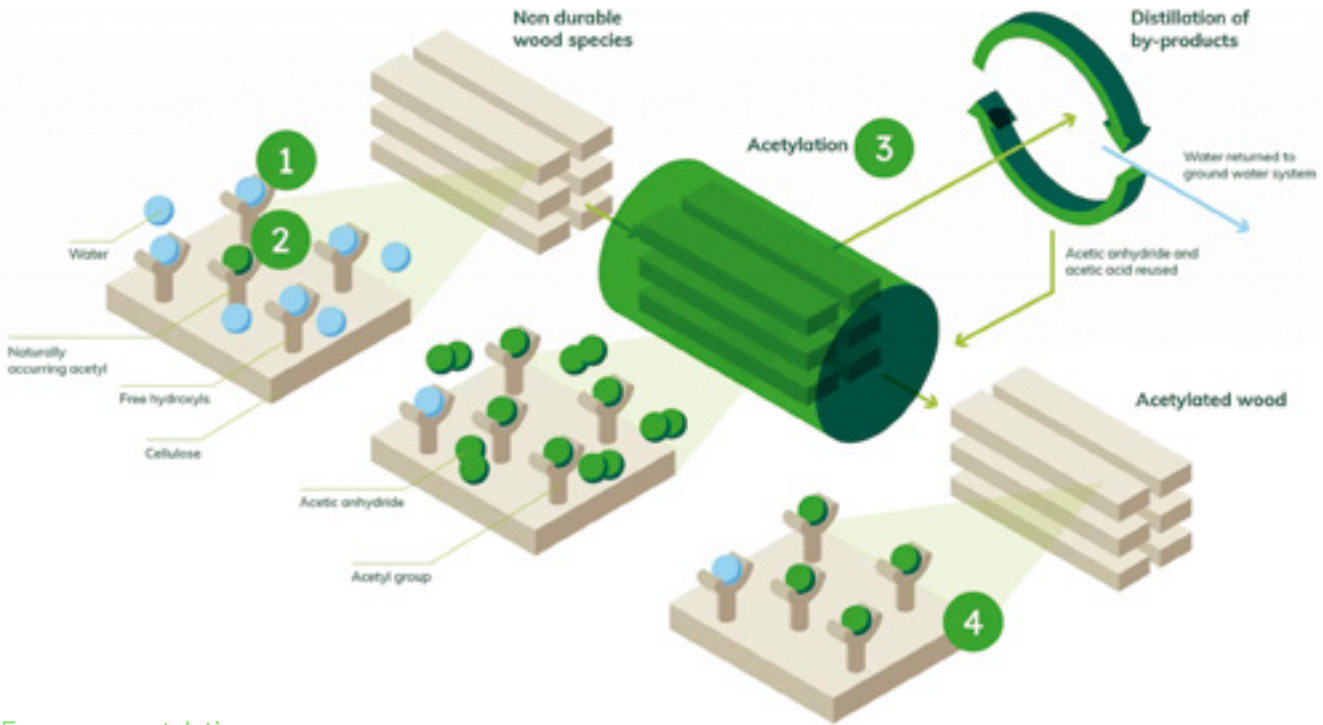
Sustainably sourced
Provenienza sostenibile

Non toxic
Non tossico

Low environmental impact
Basso impatto ambientale

100% Recyclable
100% riciclabile

Accoya® is the truly sustainable choice which helps respond to global challenges such as climate change. Accredited by the FSC® and Cradle to Cradle Gold™ certified, it is the only construction material in the world to obtain **C2C Platinum™ certification** for the health of materials. With a low carbon footprint it can contribute to decreasing carbon emissions for a healthier world. It is also non-toxic, therefore safe for people and pets and for the planet.



Focus on: acetylation process.

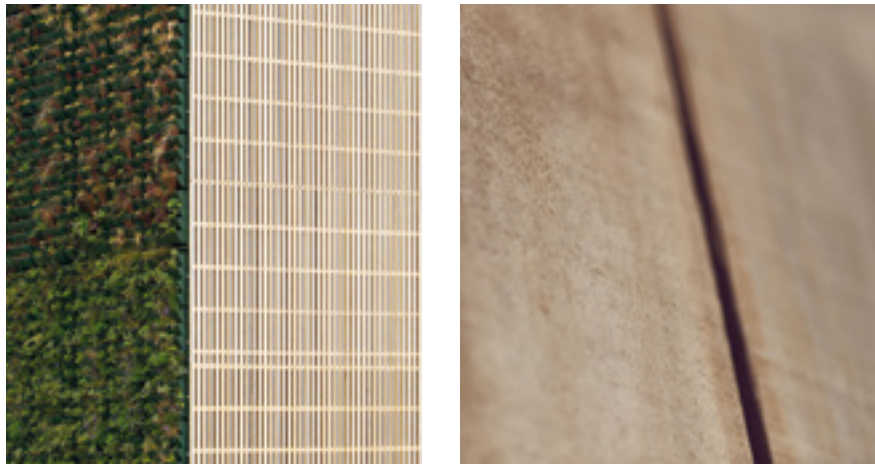
Acetylation applies a **modification at molecular level** which changes the structure of the timber itself, **improving many of its performance characteristics**, above all natural durability and dimensional stability. Modification of the timber (chemical, thermal or impregnation) such as acetylation, improves the physical, mechanical or aesthetic properties of timber. This process produces a **material which can be disposed** of at the end of the life cycle of a product **without presenting greater environmental risks** than those associated to the disposal of natural timber.

IT Accoya® è la scelta veramente sostenibile che aiuta a rispondere alle sfide globali come il cambiamento climatico. Accreditato dall'FSC® e certificato Cradle to Cradle Gold™, è l'unico materiale da costruzione al mondo a ottenere la **certificazione C2C Platinum™** per la salute dei materiali. Con una bassa impronta di carbonio si può contribuire a diminuire le emissioni di carbonio per un mondo più sano. È anche atossico, quindi sicuro per le persone e gli animali domestici e per il pianeta.

IT Focus on: processo di acetilazione.

L'acetilazione applica una **modifica a livello molecolare** che cambia la struttura del legno stesso, **migliorando molte delle sue caratteristiche prestazionali**, soprattutto la durabilità naturale e la stabilità dimensionale.

La modifica del legno (chimica, termica o impregnazione) come l'acetilazione, va a migliorare le proprietà fisiche, meccaniche o estetiche del legno. Questo processo produce un **materiale che può essere smaltito** alla fine del ciclo di vita di un prodotto **senza presentare rischi ambientali** maggiori di quelli associati allo smaltimento del legno naturale.



Accoya® offers a reliability without precedents for timber.

It is monitored and reliable,
it **does not swell, does not shrink**
and **does not visibly distort**.
Highly durable, it resists the test
of any climate.

And moreover, it remains unchanged: **a 50-year guarantee out of the ground
and 25 years underground and in fresh water.**

IT_ Accoya® offre un'affidabilità senza precedenti per il legname.

È controllato e affidabile **non si gonfia, non si ritira e non si distorce** visibilmente. **Altamente durevole**, resiste alla prova di qualsiasi clima. E per di più, rimane tale: **una garanzia di 25 anni sotto terra e in acqua dolce.**

**Guaranteed for 25 years underground
and in fresh water.**

Accoya® timber has been accurately tested for dimensional stability, duration, paint retention and terrain conditions to guarantee optimal performances. In fact, it is so reliable that for many years it has been and continues to be used by scientists as a reference point with respect to which other treatments and modified timbers are measured.

With a **guarantee of 25 years** in underground or fresh waters why choose anything else? Accoya® timber is not palatable to a wide range of parasites and constitutes an effective barrier against attacks by insects.



IT_ 25 anni garantiti a terra o in acqua dolce.

Il legno Accoya® è stato accuratamente testato per stabilità dimensionale, durata, ritenzione della vernice e condizioni del terreno per garantire prestazioni ottimali. In effetti, è così affidabile che per molti anni è stato e continua ad essere utilizzato dagli scienziati come punto di riferimento rispetto al quale vengono misurati altri trattamenti e legni modificati.

*Con una **garanzia di 25 anni** in acque sotterranee o dolci perché scegliere qualcos'altro? Il legno di Accoya® non è inoltre appetibile ad un'ampia gamma di parassiti e costituisce un'efficace barriera contro gli attacchi degli insetti.*



PRODUCTS RANGE



EDEN OF LIGHT.
[EDEN DI LUCE.]



duvali

Duvali, the lighting device for paths with a power of 1.5/2.5 W (Duvali_mini) and 8 W (Duvali) has an evocative and elegant shape. A bollard made in Accoya® timber available with a height of 35, 60, 90 and 120 cm. Duvali is absolute three-dimensionality, solidity and perfect light distribution. No design limit and maximum possible resistance, thanks to the technical solutions adopted.

IT *Una forma evocativa ed elegante quella di Duvali, apparecchio illuminante da camminamento con potenza 1,5/2,5 W (Duvali_mini) e 8 W (Duvali). Un bollard realizzato in legno di Accoya® disponibile con altezza 35, 60, 90 e 120 cm. Duvali è tridimensionalità assoluta, solidità e perfetta distribuzione luminosa. Nessun limite progettuale e massima resistenza possibile, grazie alle soluzioni tecniche adottate.*



BOLLARD

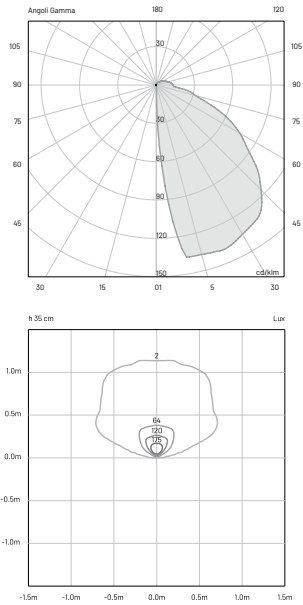


Wattage	1.5 W 2.5 W
Voltage	24 Vdc 220-240 Vac
Beam	

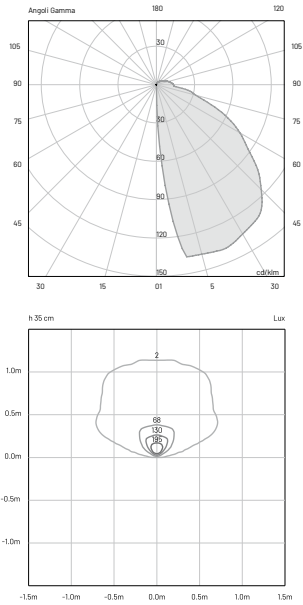
TECHNICAL SPECIFICATIONS

Source lamp
Total wattage
Voltage
Control
Light colour
Luminous flux (*Source flux)
Luminous efficacy
McADAM steps
Beam
CRI
Life time
IP rating
IK rating
Insulation class

DIFFUSE 1.5 W
LED 1.5 W
1.5 W
24 Vdc
On/Off
3000 K • other colours on request
65 lm (137 lm*)
44 lm/W
3
Diffuse
> 90
L70 > 50.000 h Ta 40°C
IP 65
IK 08
III



DIFFUSE 2.5 W
LED 2.5 W
2.5 W
220-240 Vac, 50-60 Hz
On/Off
3000 K • other colours on request
177 lm (228 lm*)
48 lm/W
3
Diffuse
> 90
L70 > 50.000 h Ta 40°C
IP 65
IK 08
II



MATERIALS

Body	Accoya® wood and inox AISI 316L
Diffuser	Opal polycarbonate
Finishing	Acetylation treatment

ORDER CODE

DV 4 0 035 D H B _ _ 3	
	Voltage
	7 Z 24 Vdc
	10 220-240 Vac
Example	DV 4 0 035 D H B 7 Z 3

INCLUDED ACCESSORIES

Code	Description
-	Single connection IP68
-	Root mounting kit

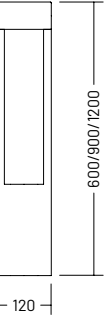
AVAILABLE ACCESSORIES

24 Vdc ONLY	
Code	Description
0409BT014	Transformer _ 24Vdc - 12W (connect up to 4 pcs)
0409BT015	Transformer _ 24Vdc - 24W (connect up to 8 pcs)
0409BT016	Transformer _ 24Vdc - 100W (connect up to 30 pcs)

BOLLARD

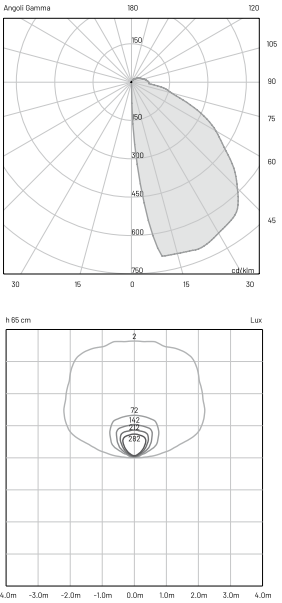


Wattage	8 W
Voltage	220-240 Vac
Beam	



TECHNICAL SPECIFICATIONS

Source lamp	LED 5.5 W
Total wattage	8 W
Voltage	220-240 Vac, 50-60 Hz
Control	On/Off
Light colour	3000 K • other colours on request
Luminous flux (*Source flux)	542 lm (759 lm*)
Luminous efficacy	68 lm/W
McADAM steps	3
Beam	Diffuse
CRI	> 90
Life time	L70 > 50.000 h Ta 40°C
IP rating	IP 65
IK rating	IK 08
Insulation class	II



MATERIALS

Body	Accoya® wood and inox AISI 316L
Diffuser	Opal polycarbonate
Finishing	Acetylation treatment

ORDER CODE

DV 6 0	D H B 10 3		
	Height	060	60 cm
		090	90 cm
		120	120 cm
	Example	DV 6 0 060 D H B 10 3	

INCLUDED ACCESSORIES

Code	Description
-	Single connection IP68
-	Root mounting kit



INFORMATION

how to read
the catalogue

product name
nome prodotto

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calib

La perfezione della luce in una forma a T disponibile in tre altezze: 60, 90 o 120 cm. Calib ha un'emissione luminosa diffusa ottenuta tramite uno schermo in policarbonato opale, con una potenza fino a 16 W. Ideale per illuminazione di camminamenti e viali d'accesso, è un apparecchio robusto grazie al trattamento del corpo in legno tramite acetilazione resistente all'acqua e all'usura del tempo.

1" La perfezione della luce in una forma a T disponibile in tre altezze: 60, 90 o 120 cm. Calib ha un'emissione luminosa diffusa ottenuta tramite uno schermo in policarbonato opale, con una potenza fino a 16 W. Ideale per illuminazione di camminamenti e viali d'accesso, è un apparecchio robusto grazie al trattamento del corpo in legno tramite acetilazione resistente all'acqua e all'usura del tempo.



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CE ENEC

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LANDA

certifications
certificazioni

product description
descrizione prodotto

mounting
applicazione

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calib



Modello: 16 W

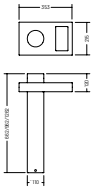
Voltage: 220-240 Vac

Power: 16 W

TECHNICAL SPECIFICATIONS

Source type	LED 11 W
Total wattage	16 W
Voltage	220-240 Vac, 50-60 Hz
Control	On/Off
Light output	2000 lm, other colours on request
Luminous flux (70° beam angle)	1084 lm (108 lm/m²)
Luminous efficacy	88 lm/W
Photometric output	3
Beam	70°
Life time	L70 > 50,000 h Ta 40°C
IP rating	IP 65
AC rating	16 W
Installation class	0





MATERIALS

Body: Acacia wood and brass A24 285

Diffuser: Opal polycarbonate

Finishing: Acetone treatment

ORDER CODE

CA 90... DNB 10 3

Height	060 cm
090 cm	
120 cm	

Example: CA 120 060 DNB 10 3

INCLUDED ACCESSORIES

Accessories:

- Single connection IP68
- Rail mounting kit

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LANDA

drawing quoted in mm
disegno quotato in mm

technical information
informazioni tecniche

www.landa.it

LANDA®

family abacus

	WALL LAMPS	CEILING LAMPS	BOLLARDS
calib			•
duvali			•
idria	•		•
kalan	•	•	
solisia	•		•
zygo			•

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general information

PROTECTION GRADE GRADO DI PROTEZIONE

IP 65

Luminaire dust-tight and protected against water jets.
Apparecchio stagno alla polvere e protetto da getti di acqua.

RESISTANCE TO CRASHES RESISTENZA AGLI URTI

IK 08

Luminaire protected against an impact energy of 5 Joules.
Apparecchio protetto contro un'energia d'impatto di 5 Joule.

INSULATION CLASS CLASSE DI ISOLAMENTO

CLASS II

Luminaire with double insulation. Protection: through additional insulation.
Apparecchio dotato di doppio isolamento. Protezione: mediante isolamento supplementare.

CLASS III

Luminaire suitable for supply at safety extra low voltage. Protection: intrinsically safe. The live parts can be accessed.
Apparecchio idoneo per alimentazione a bassissima tensione di sicurezza. Protezione: intrinsecamente sicuro. Le parti che portano corrente possono essere accessibili.

symbols

DIFFUSE BEAM EMISSIONE DIFFUSA



DOUBLE DIFFUSE BEAM EMISSIONE DOPPIA DIFFUSA



quality certifications



CE

Indicates that the product is certified according to European standards
Indica che il prodotto è certificato secondo le norme europee



EAC

Indicates that the product conforms to all technical regulations of the evaluation procedures of the Eurasian Customs Union
Indica che il prodotto si adegua a tutte le normative tecniche delle procedure di valutazione dell'Unione doganale eurasiatica

terms & conditions

GENERAL

*Buyer means the person, firm or company who purchases Goods from the company.
Company means Landa Illuminotecnica S.p.A.. via Rosmini 13/15, 25065 Lumezzane (BS), Italy.
Contract means the Contract between the Buyer and the Company for the sale and purchase of Goods.
Goods means the Goods which the Company is to supply in accordance with these conditions.*

BASIC OF SALE

*The Company shall sell and the Buyer shall purchase the Goods in accordance with these conditions, which shall govern the Contract to the exclusion of any other terms and conditions which the Buyer purports to apply under any purchase order, confirmation order, specification or other document.
No variation to these conditions shall be binding unless agreed in writing by the Company.
Any typographical, clerical or other error or omission in any sales literature, quotation, price list, acceptance of offer, invoice or other document or information issued by the Company shall be subject to correction without liability on the part of the Company.
Goods supplied may vary in detail from illustrations, drawings, measurements and descriptions set out in the Company sales literature, which are approximate and for guidance only and will not form part of the Contract. Colour finishes will be maintained as accurately as possible but matching cannot be guaranteed. All terminology used in the Company's sales literature is subject to these conditions.*

ORDERS

*No order submitted by the Buyer shall be deemed be accepted by the Company unless and until confirmed in writing by the Company
The Buyer shall be responsible to the Company for ensuring the accuracy of the terms of any order submitted by the Buyer, and for giving the Company any necessary information relating the Goods within a sufficient time to enable Company to perform the Contract in accordance with its terms.
No Goods may be returned to the Company without the Company's prior written consent and must be returned in their original packaging to ensure no damage is sustained during transit. The Buyer shall be liable for the cost of returning the Goods and for any damage to the Goods prior to receipt by the Company of such returned Goods.*

PRICE OF GOODS

*The price of the Goods shall be the price listed in the Company's published price list in EURO currency.
Unless otherwise agreed in writing between the Buyer and the Company, all prices are given by the Company on an ex-works basis, and where the Company agrees to deliver the Goods otherwise that at the Company's premises. The Buyer shall be liable to pay the Company's charges for transport.*

WARRANTIES

*Outdoor lighting fixtures are guaranteed against defects in material or workmanship for a period of two years following the date of delivery ex-works.
No warranty is granted in connection with faults resulting from improper use, application, normal wear and tear, external influences or use of non-original replacements parts, damage resulting from transportation.
The Company recommends that the installation of outdoor lighting fixtures is made by skilful person and that the enclosed assembly instructions are followed and kept for further future maintenance.
The Company will not assume responsibility for corrosion or other resulting damage to the Goods where they are installed in areas in which fertilizer or salt are present, either in the air or in the soil or where Goods are installed near to chemical plants etc with emissions of heavily polluted air.
The Buyer undertakes to inform his customers about the regular maintenance of the products. In particular for the products in stainless steel AISI 316, by means of the technical sheets included in his catalogue, the distributor will inform his customer regarding the specific products (among which also those available from the Company aimed to remove possible colour spots) liable to keep the features of the products unaltered. Claims should be promptly submitted in a written form to the Company together with copy of the purchase invoice and stating the delivery date, description of the faults and quantity of faulty products. Products that are proved to be defective in material or workmanship will be repaired , replaced by the Company within a reasonable period after the claim. Returns of faulty Goods will be accepted by the Company only upon written authorization, adequately despatched and packed with transport prepaid. Extra costs beared by the Buyer in consequence of the faults of the products will not be carried by the Company, if not previously agreed in written form.
The Company will not assume any responsibility in the following cases:
improper assembly, use or maintenance of the products and their incorrect conservation.
This guarantee shall not apply to products that have been altered, improperly used or installed or repaired without prior written authorization from the Company. If quality and performance have become less due to the application of accessories not approved by the Company. This guarantee deletes and replaces any other further responsibility arisen from the products supplied; in particular the Buyer shall have no right to claim for damages reimbursement (indirect or consequent damages included or profit losses) reduction of prices or resolution of the Contract.*

LANDA®

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