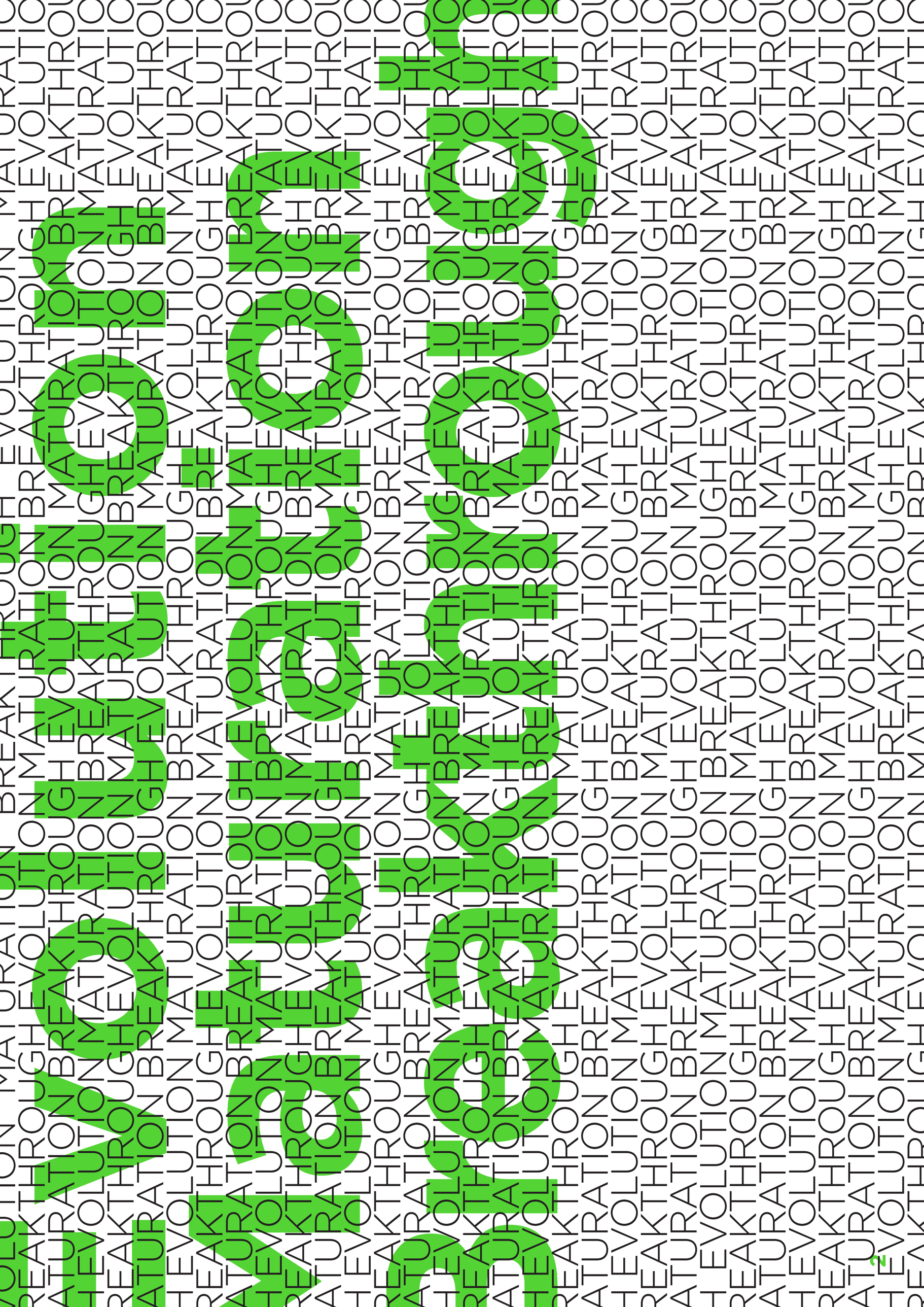
48REVO

THE NEW SIGN
FOR PROFESSIONAL
LIGHTING DESIGN

exenia


BREAKTHROUGH
EVOLUTION
MATURATION

Evo-lu-tion?

MATURATION? BREAKTHROUGH?

This is just a matter of terms we are not worried about,

All these words are correct. What really counts is to be back to the market with actual innovations and with the desire to again amaze by our products.

Year 2020 marked a turning point for Exenia. Right after a corporate remodelling and under the drama of the heavy coronavirus restrictions, Exenia found the necessary although unexpected time to speed up the enactment of many already planned program points.

By this speed-up, the carry on a **reorganizing and evolutionary program** is enriched. A program able to speak by means of a new product collection, conceived by phases. A program in which new achievements trigger an ascending technological growth, planned by different complementary operation fields.

The process of “quality” cure has begun on the 2019 by the adoption of the **ISO 9001** quality protocols, and it has been extended beyond these protocols, thanks to the implementation of control procedures and of equipment all over the most vital departments of our production.

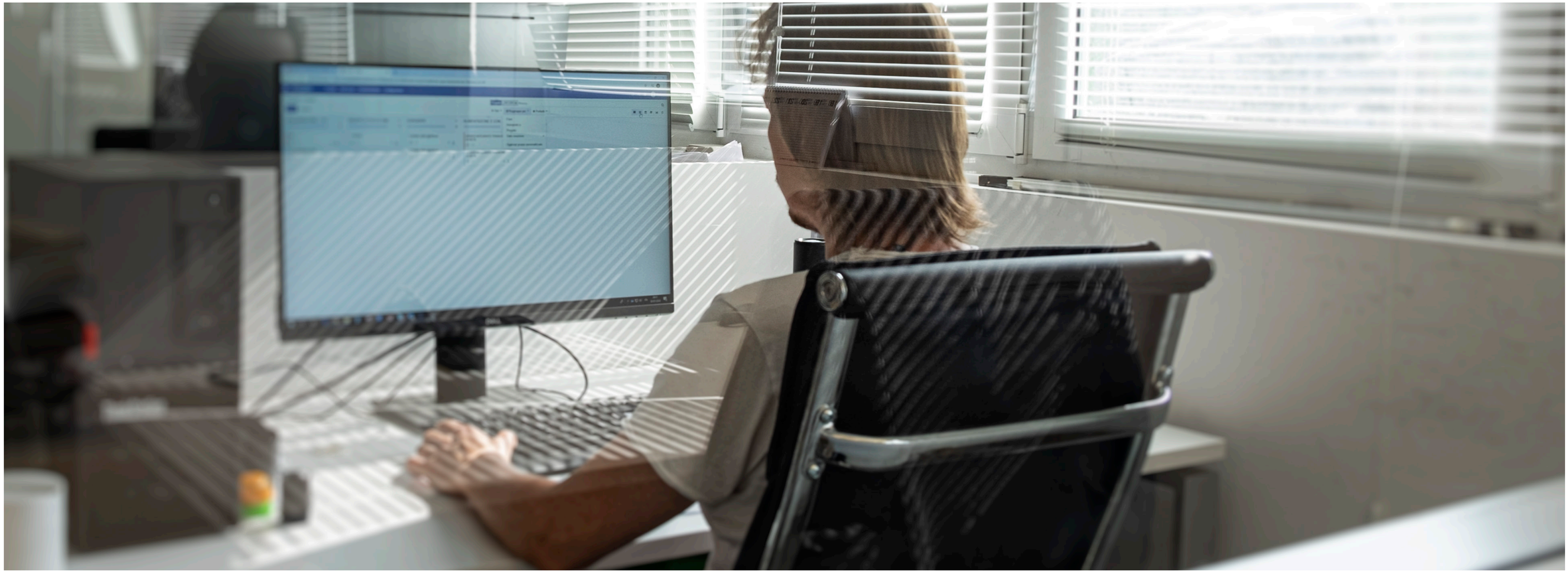
Starting from the sentence “Quality is the best kind of advertising that the product creates on its own and for free”, we decided to invest time and resources, to make this sentes more and more one of our constant references.

WHAT HAPPENS IN THIS 2020?

Decisional processes have been **reorganized and streamlined**, by a fast and direct connection between R&D Department and the Sales Department.
The procedure for special project management, now more organized and better shared, allows a direct and concrete dialogue with Light Planners and Lighting Designers. This generates stimulus and proximity between persons involved in bordering but complementary fields and issues.

Supervision and management of contiguous production fields are now unified.
Everything is consequently faster, reactive and punctual and much more this unification permits to a miracle to occur: the miracle which should normally be seen but so rarely is: having **persons fully focused on their fields of attitude**.

During the Covid-19 Italian lock-down period, the revision process was accelerated and we were working from our homes. This generated new communication conditions which exchanged skills, habits and new ideas. Therefore we developed proposals for **shared and intuitive corporate databases**, where data are easily accessible. And always updated and univocal. This shortens the time and reduces the faults along the whole quality generation chain and along the product management chain.



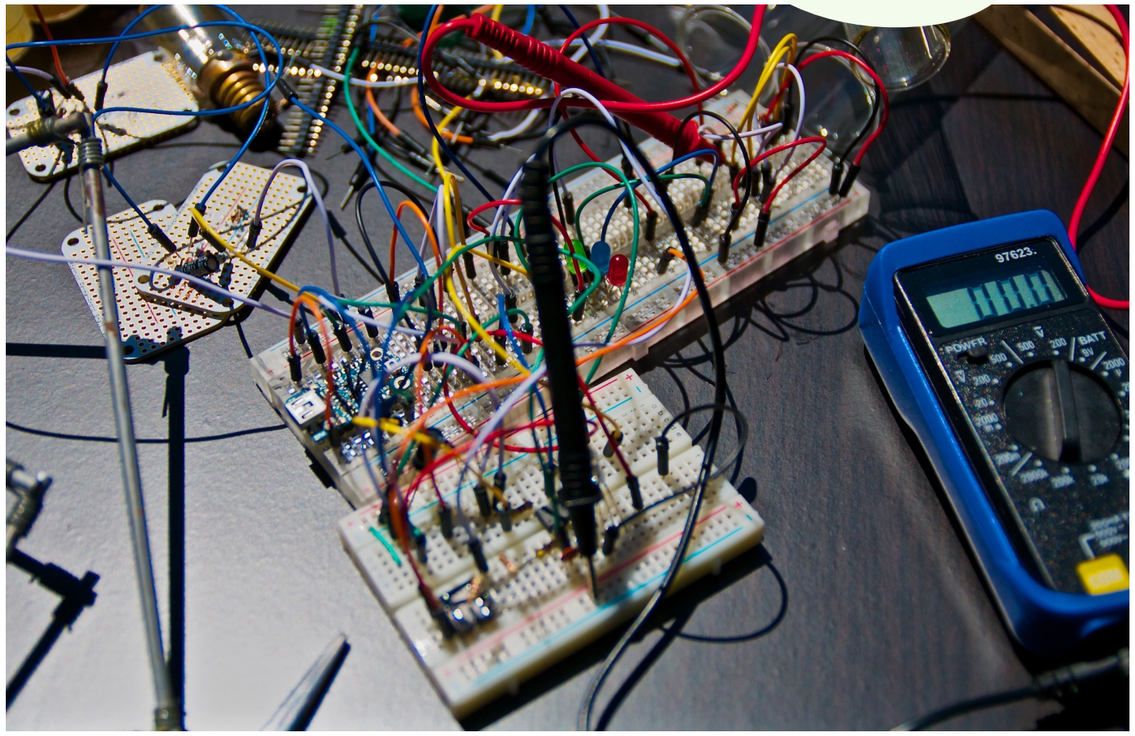
tools

Laboratories were improved and enlarged and new methods for product technical verifications were implemented. An Analytical Laboratory was created to host the gonio-photometer. This equipment was in-house designed and developed directly upon our needs and right during some of the main phases of the Covid-era. It is equipped with last-generation sensors interfaced with **new computing software**, able to assess the exact geometries of light fluxes.

The already existing Comparative Laboratory becomes now the environment in which the **"human" verification** of the optical and lighting product performances is done. Here, the main tool is the mere human perception by which beam uniformity, its shape and definition are judged.

A **new test workstation** for electrical product safety is currently being installed. It will flank the already operating analytical and detection facilities and it will speed up checks and tests which were, until now, entrusted to external laboratories.

design

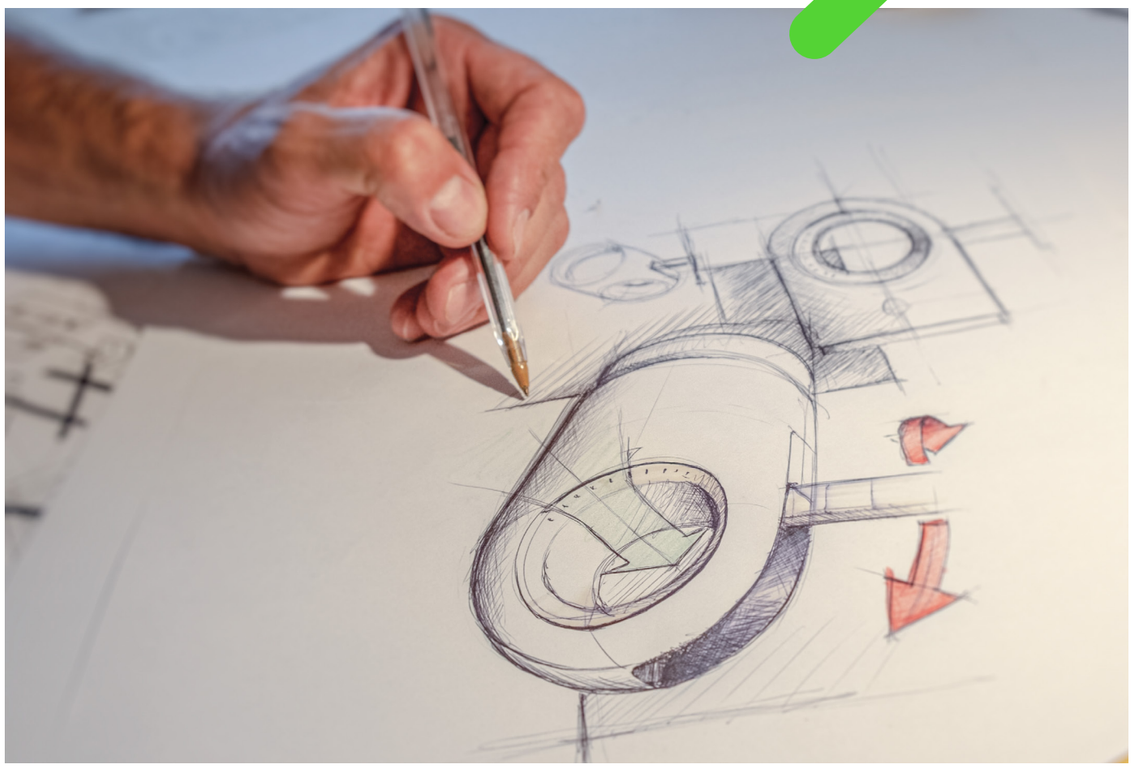


The changes that we are providing to our organization, as well as the new equipment, are opening a completely new scenario also for product development and for technical research. **Specialists' personal skills gain importance and autonomy,** merged in a composite and articulated technical team.
The job scopes are intended as cooperating autonomies and become singular specializations albeit complementary and connected.
Engineering, research and development, special projects, tests and verifications, customer servicing are all composing the **jigsaw figure creating the product in a continuous designing contribution.**

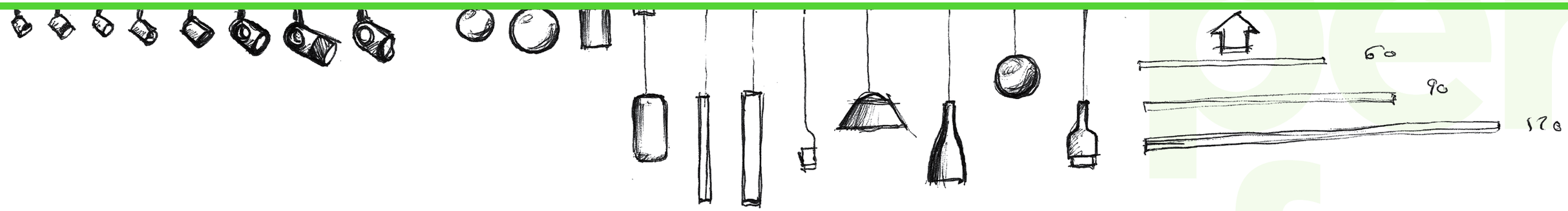
The arrival to the R&D Department of the **new 3D printer** already permitted not only the verification and the definition of technical and aesthetic details to a previously unhoped level. It also marked a small, yet evident, revolution in the production and creative processes. This is especially true when it allows **the manufacturing of series of dedicated elements** having high design complexity, otherwise not obtainable.

These are the internal aspects, the less evident ones of our innovation process which begun in 2019.
But more than a process this is a real project put in act on ourselves, a necessary yet complete evolution, **whereas the heart, the spirit, to be evolved is the most intimate part**, the DNA, the Exenia identity which, after ten years of life, gets stronger and revives the lifeblood of its roots.

Our new logo becomes the symbol and the witness of our project which we consider a synthesis of lightness and maturation. The new logo would not make any sense unless it were not backed up by actual and concrete steps forward. Therefore it is our internal innovation, the one hidden inside the heart of our products, which allows Exenia to transfer each single advance to materials, performances and results.



After all the here exposed arguments: **the Exenia REVO project means products having highly professional contents. REVO identifies a technologic target and a path.** It is thought as a step-by-step process which intends to open to Exenia the doors of the Lighting Designers all around the world, by means of self-explaining products having quality and performance functional to a very wide range of possible applications.
Our job is to manufacture high-precision equipment which ask only to be tested on duty.

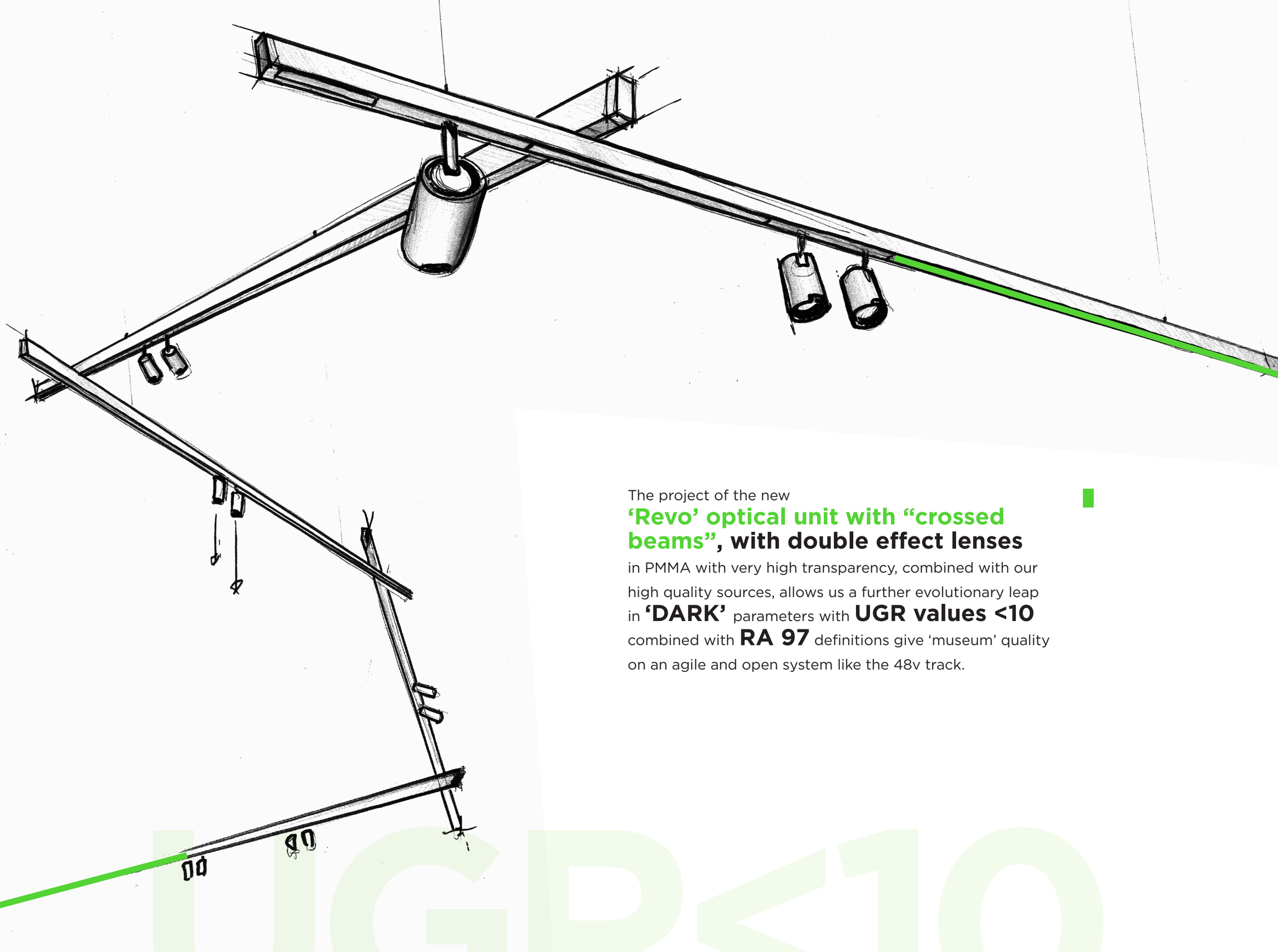


REVO PROGRAM BECOMES PRODUCT

We always have been **designing our products** with the target of creating them as **smaller as possible**, not so penalizing their performances which must, however, be worth of the top level of their sector. We are, indeed, convinced that the real **revolution carried by led** is the possibility to have lighting fixtures as good as with low-visibility. But to achieve this result, of course, **high quality optical** solutions are needed.

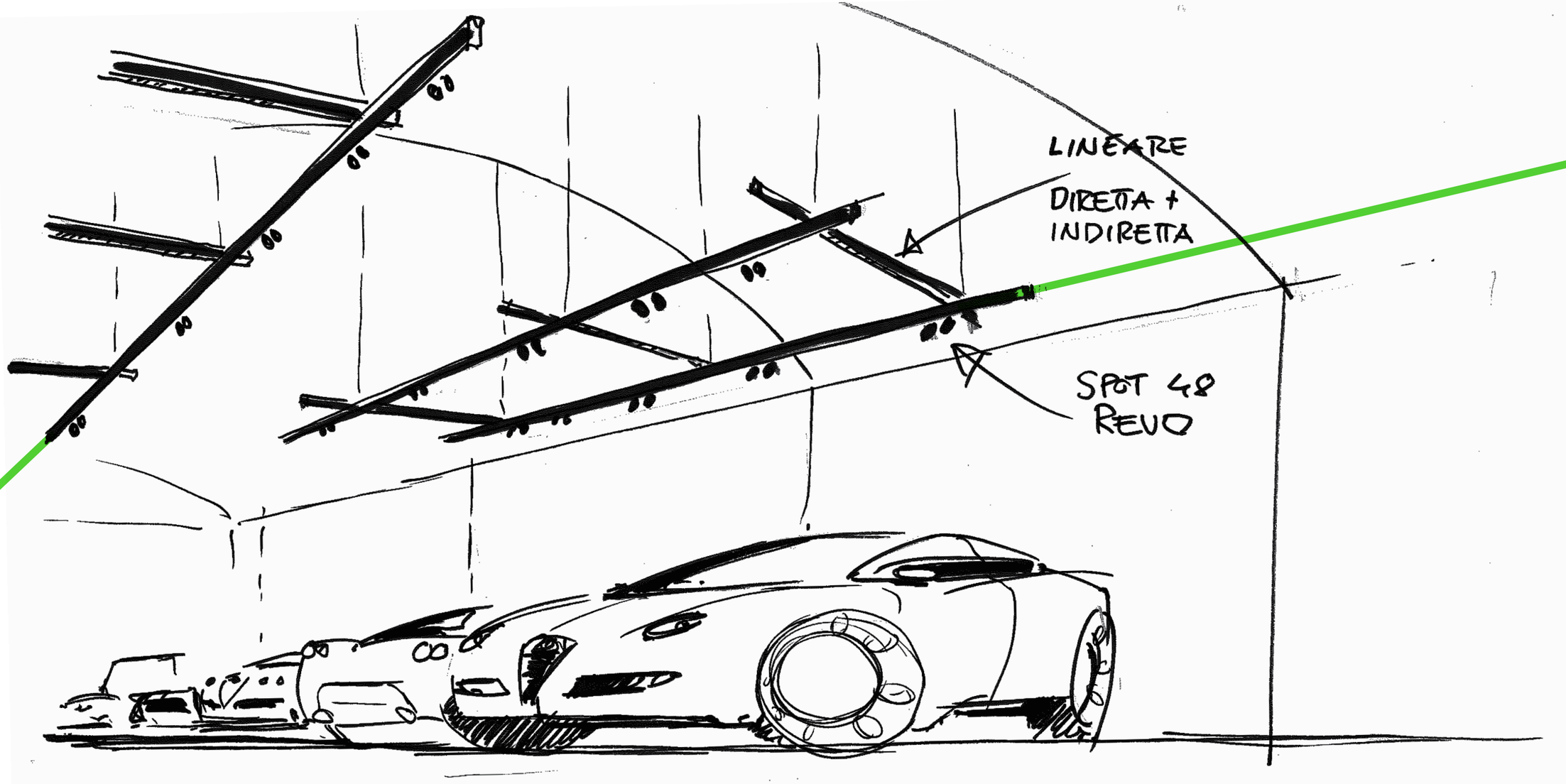
In this belief, we developed the REVO program. And we did it by creating **small lighting** fixtures having, above all, **refined optics** for beams and luminances and aberrations **controlled as never before.** We did it coupling these optics to **last-generation leds** having high emissions and intensities and colour renderings worth of **museum-like applications.**

And here are described the first products born under the REVO program. Designed for compactness and for a great application potentiality.



The project of the new
‘Revo’ optical unit with “crossed beams”, with double effect lenses
in PMMA with very high transparency, combined with our high quality sources, allows us a further evolutionary leap in **‘DARK’** parameters with **UGR values <10** combined with **RA 97** definitions give ‘museum’ quality on an agile and open system like the 48v track.

UGR<10



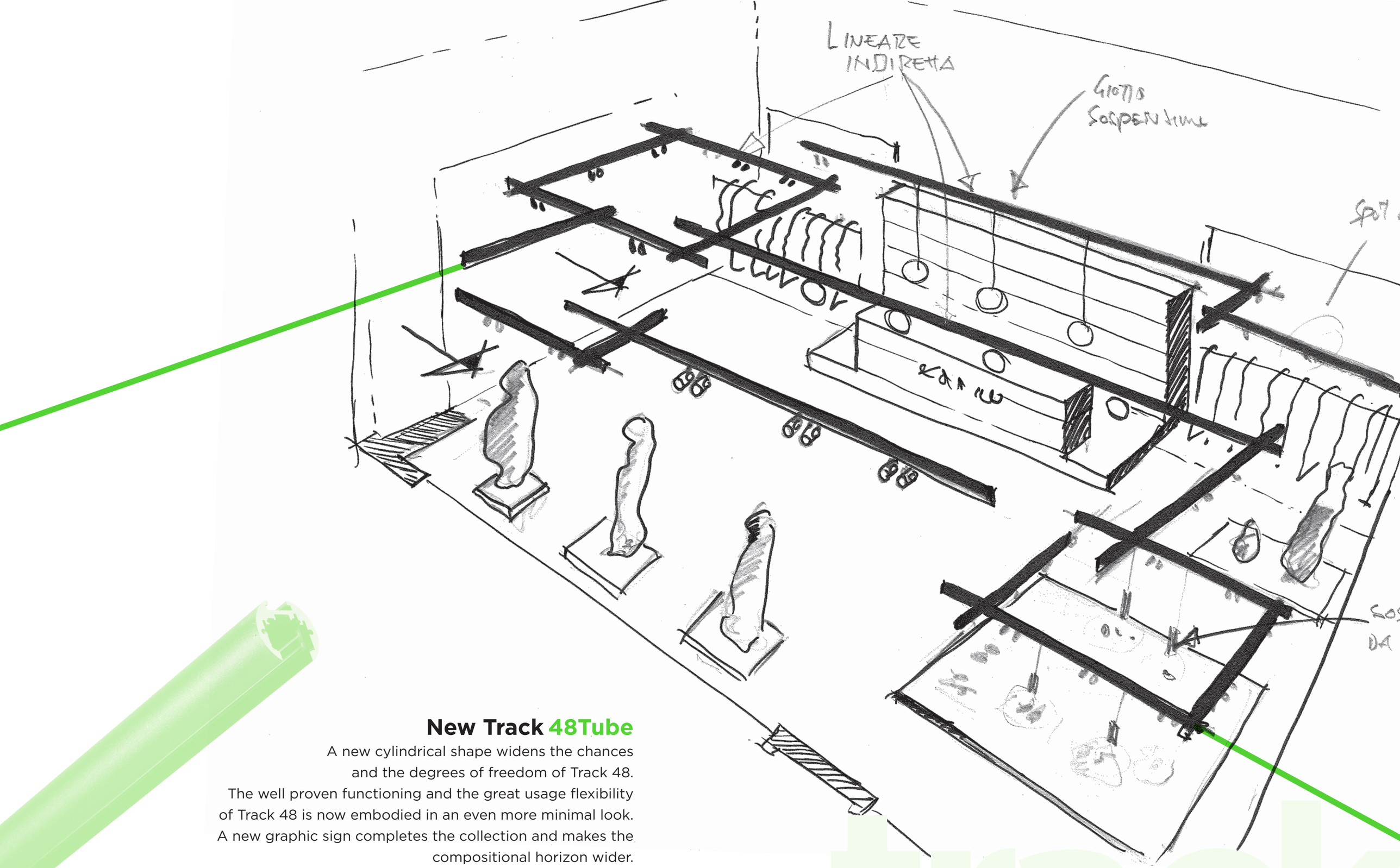
Track 48

Our Track 48 system comes now enriched by new technical components that make it able to provide the maximum optical performance to the most compact range of products of this sector. It allows helpful solutions both for technical and compositional designing, thus opening a wide space for lighting designing.

New biemission Track 48 TWIN

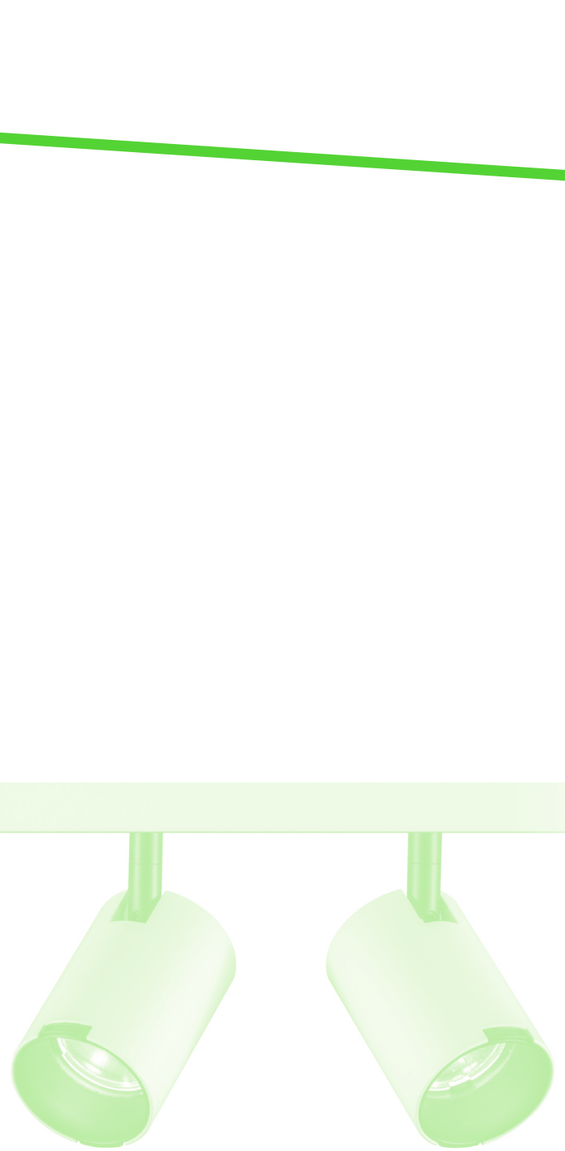
The “H” shaped section, by its double feed for direct and indirect lighting, becomes the pivoting point of the miniaturized revolution.
The possibility to adopt all the variants of the 48V lighting fixtures in indirect lighting too, and also the possibility to adopt a new linear lighting module able to cover length up to five meters in full continuity, makes this new profile become an universal lighting solution.

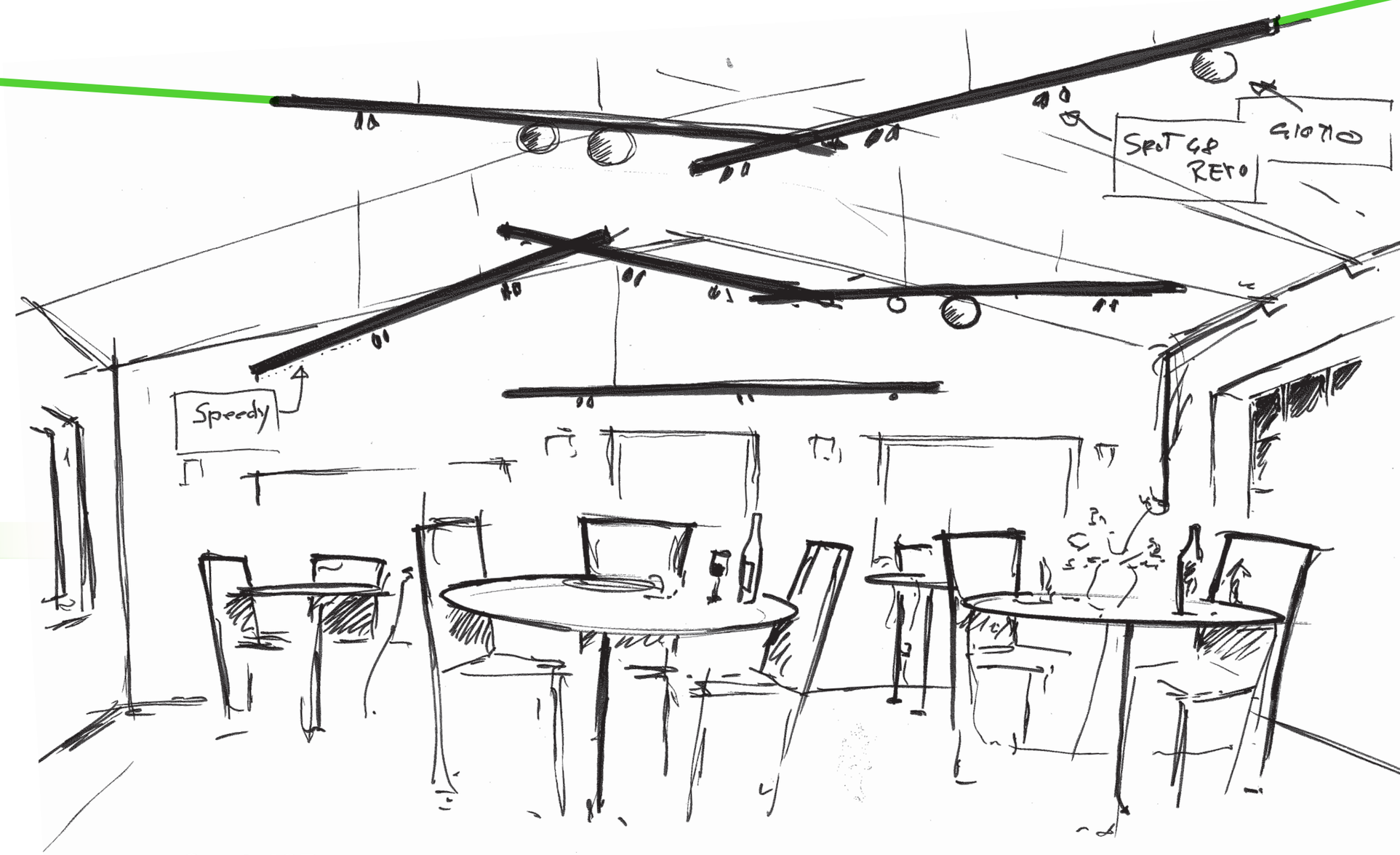
track



New Track 48Tube

A new cylindrical shape widens the chances
and the degrees of freedom of Track 48.
The well proven functioning and the great usage flexibility
of Track 48 is now embodied in an even more minimal look.
A new graphic sign completes the collection and makes the
compositional horizon wider.



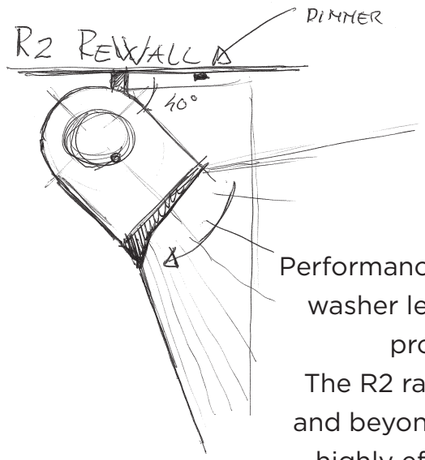


Spot 48Revo

Among all these new entries, this is the one perhaps most significant of our look for “quality in the compactness”. It is our new family of spot lights equippedwith cross distribution lenses. The new “REVO” version of SPOT 48 luminaries offers brand new optics, designed under low-luminance parameters, having top precision and completed by new museum-like accessories. By these tools the phase one of the REVO project gifts to Exenia a new technological value, refined and professional programmed by evolutive phases and aimed to the optical research.

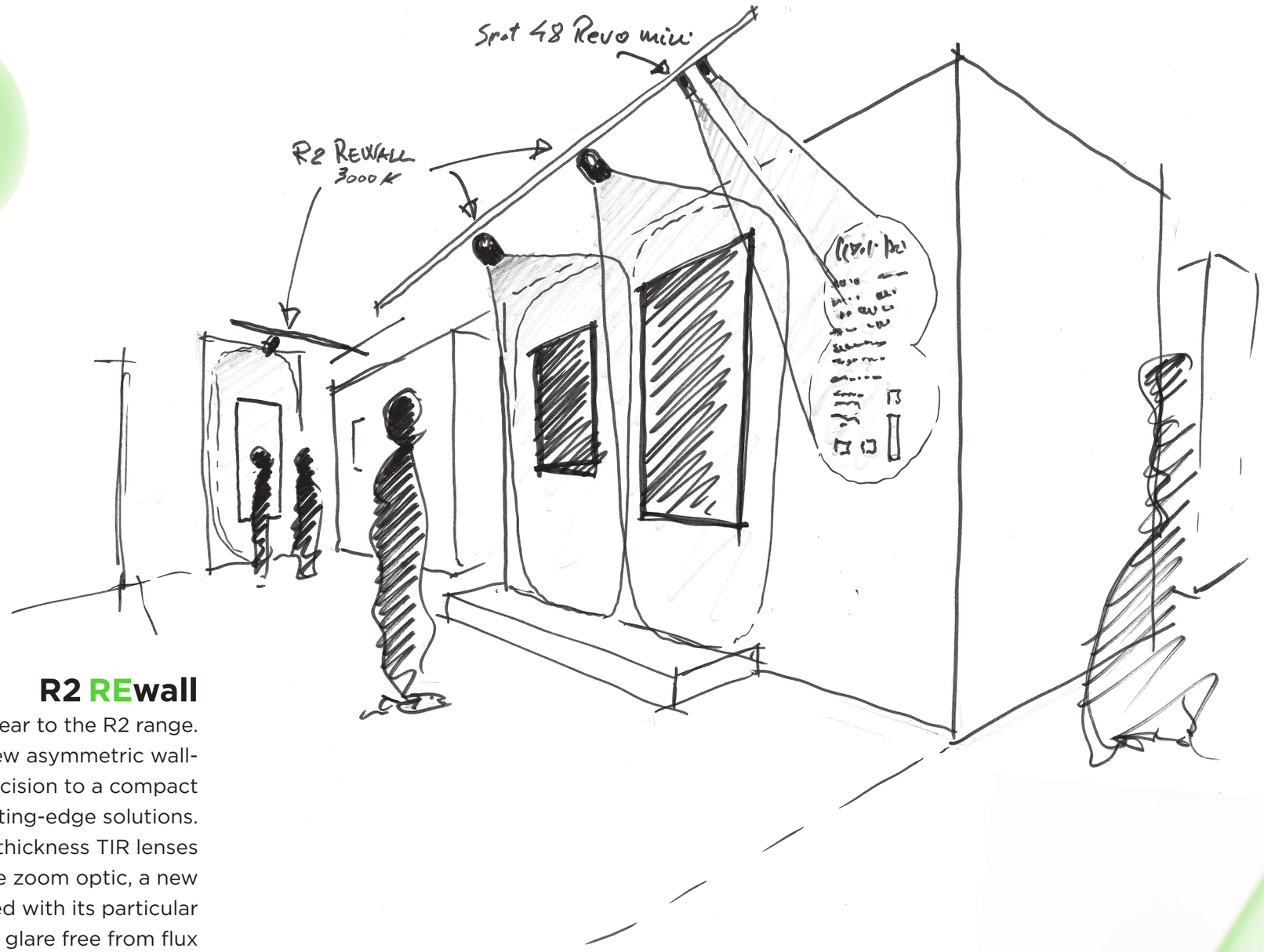
The new optical elements of the SPOT 48 REVO have been designed under strict luminance abatement criteria. Thanks to the peculiar geometries of the new cross distribution lenses, a very high visual comfort is achieved on uniform and homogeneous beams, free from flux losses and aberrations. The ratio between product invisibility and high-quality lighting performance is now on a new perspective.

spot



R2 REwall

An extra gear to the R2 range.
Performances and optical qualities of the new asymmetric wall-washer lenses add completeness and precision to a compact product, already designed with cutting-edge solutions.
The R2 range now hosts, beyond the low-thickness TIR lenses and beyond the appreciated low-luminance zoom optic, a new highly efficient asymmetrical lens, coupled with its particular perimetry collar which is able to abate any glare free from flux losses.
R2 Rewall is available in two powers: maximum 13W and maximum 26W. Also in DALI version or in “dimmer on board”, whereas the emission can be controlled directly acting on the lighting fixture according to the needs raised by each lighted subject. These aspects let R2 be an important and specific work tool, with light uniformity and efficiency among the best of its category. They also are milestones for the new Exenia season, where precision and performance extension become the goal and the evolutive direction.



Speedy

Speedy is a continuous lighting unit, offered on different lengths, which can be installed as a direct or indirect light source. It is equipped with opaline and microprismatic screens for high levels of visual comfort and flux homogeneity.
It is a ideal product when diffused and soft lighting is required. This unit can cover up to five meters with a single feed, thus becoming the perfect tool for indirect and general lighting.

New feeding kit

The Track 48 system, as intended by Exenia, is a highly professional tool. Easy and ready to use. It is equipped by “plug and play” box drivers that allow easy installations by means of integrated and various technologies.
New miniaturized box drivers, equipped with snap-on coupling system, permit to have a direct electrical feeding of the track for power up to the maximum value of 100 W.
For 75 W and 150 W, the new bases are provided with DALI dimmable versions which can also be controlled by a Bluetooth connection with dedicated Apps and Casambi protocol. For bigger installations, a 480 W kit is available to be connected side by side, for ceiling installations, or in descending connections, for suspended installations.

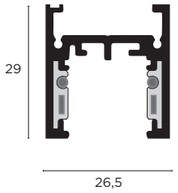
Track 48

is therefore enriched of technical and applicative, brand new, components to achieve the maximum optical performance as well as a great adaptability. REVO program rises Track 48 to a new highest value. To the value, that is the true target for us, of a functional tool for the Lighting Designer ingenuity and for the Installer’s needs of a plain, effective and easy job.

TRACK 48 EVO

IP20 650°

Low voltage 48V DC track system for suspended, ceiling or wall installation. Made from extruded aluminum profiles, powder painted in black and white colors. Available in 1000 mm, 2000 mm and 3000 mm lengths. It has four insulated conductors.
The ON/OFF, PUSH and DALI functions are always guaranteed by only two of them, by means of the conveyed wave technology. The other pair of conductors can be used to obtain a second possible lighting circuit (special codes and an additional driver are required).
The 48V DC electronic drivers can be installed remotely or by independent box drivers.
Different versions are available for ON/OFF, DALI or PUSH dimming. A whole range or connectors, mounting systems and accessories completes this versatile 48V DC system that accepts all the luminaries of the Track 48 range.

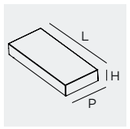


TRACK 48-EVO

712 90

Code		Lenght	Kg
712 90	**01**	1m	0,70
	02	2m	1,40
	03	3m	2,10

Finish	
40	white
50	black



Driver Box

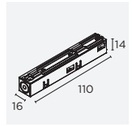
Driver Box

Code	Vers.		LxHxP	Control		Kg	Finish		Adapter finish		Installation	
714	**91**	75W	329x35x122	**50**	ON-OFF	1,73	**42**	○ matt white	**/42**	○ matt white	**/PL**	ceiling
	93	150W	329x35x122	**65**	DALI/PUSH	1,73	**52**	● matt black	**/52**	● matt black	**/SO**	suspension
				CA	CASAMBI*	1,83						
714	**92**	96W	278x42x26	**50**	ON-OFF	0,65	**42**	○ matt white	**/42**	○ matt white	**/BI**	track
							52	● matt black	**/52**	● matt black		
714	**94**	480W	350x49x151	**50**	ON-OFF	4,7	**42**	○ matt white	**/42**	○ matt white	**/PL**	ceiling
							52	● matt black	**/52**	● matt black	**/SO**	suspension

** Control mode: DALI Broadcast or 4 addresses (to be pre-set by DALI software)*

For remote power supply consult the "systems" section of our website ***exenia.eu***

TRACK 48 EVO_ *accessories*



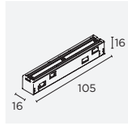
Feeder

0,03

Feeder

Code	Finish	
712 90 04	**40**	white
	50	black

*connectors_*



Concealed connector without feeder.

0,03

Linear connector

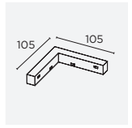
Code	Finish	
712 90 08	**40**	white
	50	black

Flexible connector.

0,07

Flexible connector

Code	Finish	
712 90 11	**40**	white
	50	black



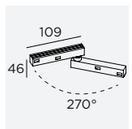
Electrical connector 90°.

0,03

Connector

Code	Finish	
712 90 09	**40**	white
	50	black

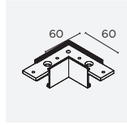
Electrical connection for overlapping tracks



Mechanical and electrical connection, overlapping only for TWIN track. It can slide and rotate along the channel.

0,07

Code	Finish	
714 90 13	**40**	white
	50	black

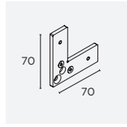


"L" connector.

0,150

Connector horizontal

Code	Finish	
712 90 25	**40**	white
	50	black

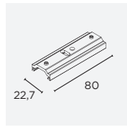


"L" straight connector.

0,150

Straight

Code
712 90 26 00



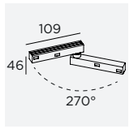
Mechanical coupler.

0,02

Mechanical coupler

Code
712 90 17 00

Mechanical connection for overlapping tracks



Mechanical connection, overlapping only for TWIN track. It can slide and rotate along the channel.

0,05

Code	Finish	
714 90 29	**40**	white
	50	black

*mounting systems_*

Ceiling bracket.

Bracket

Code
712 90 07 00

Brackets for wall installation.

Brackets

Code
711 90 10 00

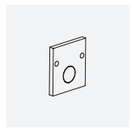
Wire hanger. ***Lenght Cables max 2m.***

0,06

Wire

Code
712 90 16 00

*accessories_*



End cap side.

End cap side

Code	Finish	
712 90 06	**40**	○ white
	50	● black

Bottom cover. ***Lenght 1m.***

IP40 650°

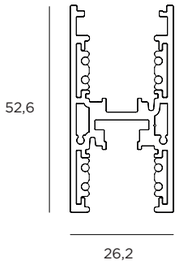
Cover

Code	Finish	
711 90 23	**40**	○ white
	50	● black

TRACK 48 TWIN

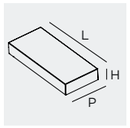
IP20 650°

Low voltage 48V DC track system with “H” shaped section and double electrified channel to permit the use of light sources for indirect as well as direct lighting.
For suspended installations. Made from extruded aluminum profiles, powder painted in black and white colors. Available in 1000 mm, 2000 mm and 3000 mm lengths.
It has four insulated conductors per each channel.
The ON/OFF, PUSH and DALI functions are always guaranteed by only two of them on each channel, by means of the conveyed wave technology.
The other pair of conductors can be used to obtain a second possible lighting circuit (special codes and an additional driver are required).
The 48V DC electronic drivers can be installed remotely, by independent box drivers or integrated into the track. Different versions are available for ON/OFF, DALI or PUSH dimming.
A whole range or connectors, mounting systems and accessories completes this versatile 48V DC system that accepts all the luminaries of the Track 48 range.



Track 48 Twin

714 90					
Code		**Lenght**	**Kg**	**Finish**	
714 90	Track 48 TWIN “H” biem.	**01** 1m	1,4	**40**	white
		02 2m	2,8	**50**	black
		03 3m	4,2		



Driver Box

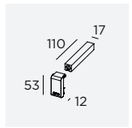
Driver Box

Code	Vers.		LxHxP	Control		Kg	Finish		Adapter finish		Installation	
714	**91**	75W	329x35x122	**50**	ON-OFF	1,73	**42**	○ matt white	**/42**	○ matt white	**/PL**	ceiling
	93	150W	329x35x122	**65**	DALI/PUSH	1,73	**52**	● matt black	**/52**	● matt black	**/SO**	suspension
				CA	CASAMBI*	1,83						
714	**92**	96W	278x42x26	**50**	ON-OFF	0,65	**42**	○ matt white	**/42**	○ matt white	**/BI**	track
							52	● matt black	**/52**	● matt black		
714	**94**	480W	350x49x151	**50**	ON-OFF	4,7	**42**	○ matt white	**/42**	○ matt white	**/PL**	ceiling
							52	● matt black	**/52**	● matt black	**/SO**	suspension

** Control mode: DALI Broadcast or 4 addresses (to be pre-set by DALI software)*

For remote power supply consult the “systems” section of our website ***exenia.eu***

TRACK 48 TWIN_ *accessories*

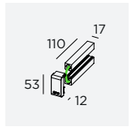


Component for the primary electrical connection (e.g. of the track with the driver). Includes an end plug.

0,03

End feeder + end plug

Code	Finish	
714 90 04	**40**	white
	50	black



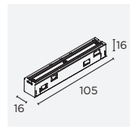
Electrical connection between the upper and the lower channel of the “H” shaped track. It is equipped with an end plug and a cabling.

0,09

Electrical connection up-down + end plug

Code	Finish	
714 90 28	**40**	white
	50	black

*connectors_*

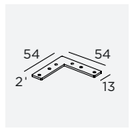


Concealed connector without feeder.

0,03

Linear connector

Code	Finish	
712 90 08	**40**	white
	50	black

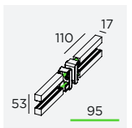


Mechanical straight angle junction, with fixing grub screws.

0,008

aluminum bracket

Code
714 90 26 00

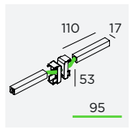


Electrical connection between “H” shaped tracks, supplied with double plug and cablings. It connects the four lines of contiguous tracks by free wiring.

0,11

Double flexible electrical connector

Code	Finish	
714 90 11	**40**	white
	50	black

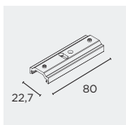


Electrical connection between “H” shaped tracks, supplied with double plug and cablings. It connects only two lines of contiguous tracks by free wiring.

0,09

Single flexible electrical connector

Code	Finish	
714 90 27	**40**	white
	50	black

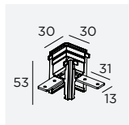


Mechanical coupler.

0,02

Mechanical coupler

Code	Finish	
711 81 17	**40**	white
	50	black

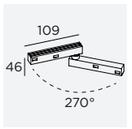


Stiff mechanical joint for 90° couplings of “H” shaped track. Complete with internal metal bracket.

0,02

Mechanical 90° joint

Code	Finish	
714 90 25	**40**	white
	50	black

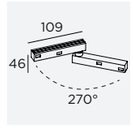


Mechanical and electrical connection, overlapping only for TWIN track. It can slide and rotate along the channel.

0,07

Electrical connection for overlapping tracks

Code	Finish	
714 90 13	**40**	white
	50	black

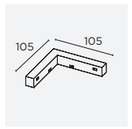


Mechanical connection, overlapping only for TWIN track. It can slide and rotate along the channel.

0,05

Mechanical connection for overlapping tracks

Code	Finish	
714 90 29	**40**	white
	50	black



Component for electrically connect tracks on 90° angles. To be combined with the mechanical 90° joint.

0,03

Stiff electrical joint

Code	Finish	
712 90 09	**40**	white
	50	black

*mounting systems_*

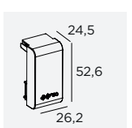
Kit composed of a 2 meter long hanger, a “griplock” and a spring for a fast suspended installation of the “H” track. No tools are required.

0,05

Suspension cable with spring

Code
714 90 16 00

*accessories_*



End termination plug. It is provided with a hollow for the cables passage from a channel to the other. Plastic made, snap-on mounting.

End plug

Code	Finish	
714 90 06	**40**	white
	50	black

Bottom cover. ***Lenght 1m.***

IP40 650°

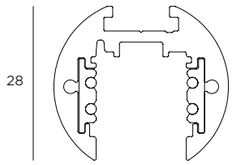
Cover

Code	Finish	
9G 068	**40**	white
	50	black

TRACK 48 TUBE

IP20

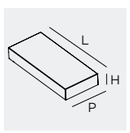
Low voltage 48V DC track system with round section for suspended, ceiling or wall installation.
Made from extruded aluminum profiles, powder painted in black and white colors. Available in 1000 mm, 2000 mm and 3000 mm lengths. It has four insulated conductors. The ON/OFF, PUSH and DALI functions are always guaranteed by only two of them, by means of the conveyed wave technology. The other pair of conductors can be used to obtain a second possible lighting circuit (special codes and an additional driver are required).
The 48V DC electronic drivers can be installed remotely or by independent box drivers.
Different versions are available for ON/OFF, DALI or PUSH dimming. A whole range or connectors, mounting systems and accessories completes this versatile 48V DC system that accepts all the luminaries of the Track 48 range.



Track 48 Tube

715 90

Code		Lenght		Kg	Finish	
715 90	Track 48 TUBE	**01**	1m	0,89	**40**	white
		02	2m	1,78	**50**	black
		03	3m	2,67		



Driver Box

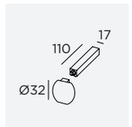
Driver Box

Code	Vers.		LxHxP	Control		Kg	Finish		Adapter finish		Installation	
714	**91**	75W	329x35x122	**50**	ON-OFF	1,73	**42**	○ matt white	**/42**	○ matt white	**/PL**	ceiling
	93	150W	329x35x122	**65**	DALI/PUSH	1,73	**52**	● matt black	**/52**	● matt black	**/SO**	suspension
				CA	CASAMBI*	1,83						
714	**92**	96W	278x42x26	**50**	ON-OFF	0,65	**42**	○ matt white	**/42**	○ matt white	**/BI**	track
							52	● matt black	**/52**	● matt black		
714	**94**	480W	350x49x151	**50**	ON-OFF	4,7	**42**	○ matt white	**/42**	○ matt white	**/PL**	ceiling
							52	● matt black	**/52**	● matt black	**/SO**	suspension

** Control mode: DALI Broadcast or 4 addresses (to be pre-set by DALI software)*

For remote power supply consult the "systems" section of our website ***exenia.eu***

TRACK 48 TUBE_ accessories



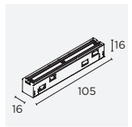
Component for the primary electrical connection (e.g. of the track with the driver). Includes an end plug.

0,02

End feeder + end plug

Code	Finish	
715 90 04	**40**	white
	50	black

*connectors_*

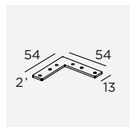


Concealed connector without feeder.

0,03

Linear connector

Code	Finish	
712 90 08	**40**	white
	50	black

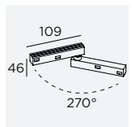


Mechanical straight angle junction, with fixing grub screws.

0,008

aluminum bracket

Code
714 90 26 00

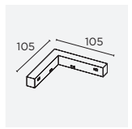


Mechanical and electrical connection, overlapping only for TWIN track. It can slide and rotate along the channel.

0,07

Electrical connection for overlapping tracks

Code	Finish	
714 90 13	**40**	white
	50	black

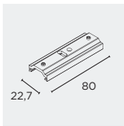


Component for electrically connect t racks on 90° angles. o be combined with the mechanical 90° joint.

0,03

Stiff electrical joint

Code	Finish	
712 90 09	**40**	white
	50	black



Mechanical coupler.

0,02

Mechanical coupler

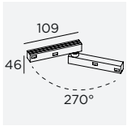
Code	Finish	
711 81 17	**40**	white
	50	black

Stiff mechanical joint for 90° couplings of TUBE shaped track. Complete with internal metal bracket.

0,03

Mechanical 90° joint

Code	Finish	
715 90 25	**40**	white
	50	black

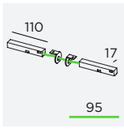


Mechanical connection, overlapping only for TWIN track. It can slide and rotate along the channel.

0,05

Mechanical connection for overlapping tracks

Code	Finish	
714 90 29	**40**	white
	50	black



Electrical connection between "TUBE" shaped tracks, supplied with double plug and cablings. It connects only two lines of contiguous tracks by free wiring.

0,09

Single flexible electrical connector

Code	Finish	
714 90 27	**40**	white
	50	black

*mounting systems_*

Kit composed of a hanger, a "griplock" and a stiff bracket for a fast suspended installation of the "Tube" track. Hanger length: 2 m.

0,05

Suspension cable with spring

Code	Finish	
715 90 16	**40**	white
	50	black

*accessories_*

End termination plug. It is provided with a hollow for the cables passage from a channel to the other. Plastic made, snap-on mounting.

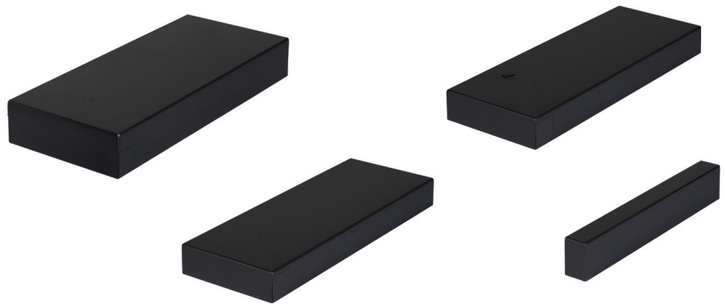
End plug

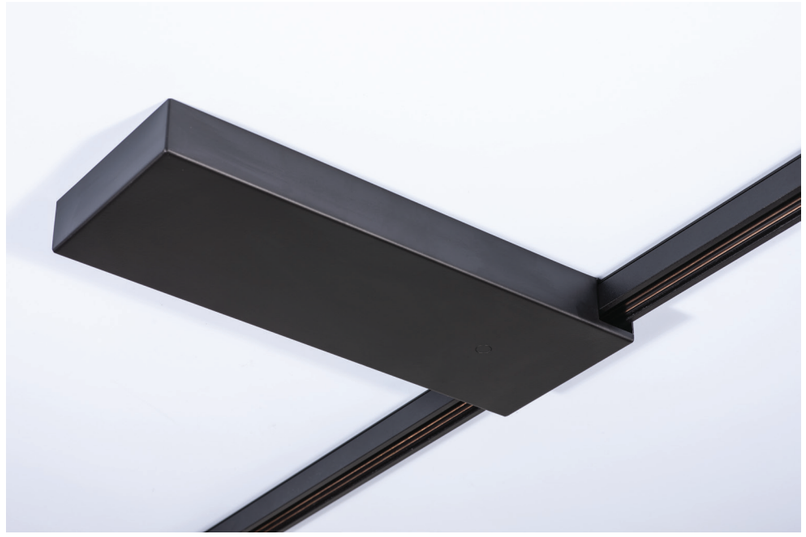
Code	Finish	
715 90 06	**40**	white
	50	black

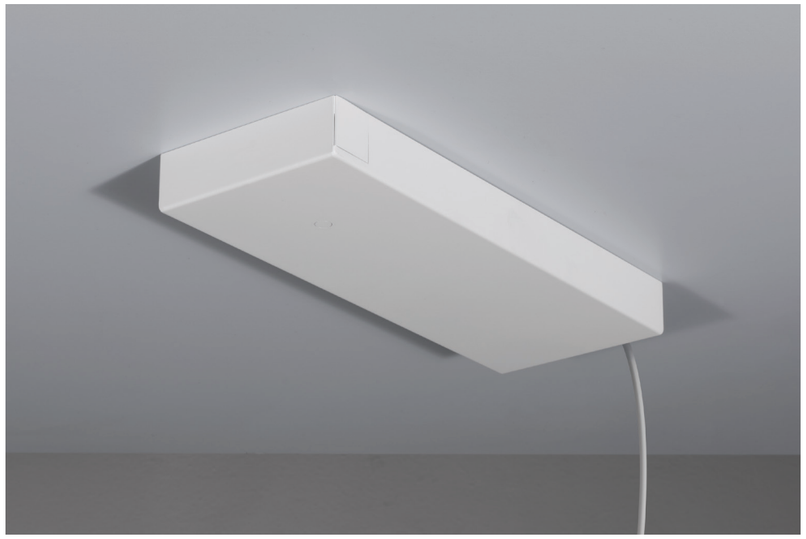
Power supply KIT

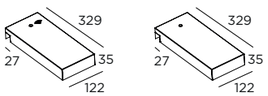
IP20

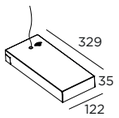
Power supply kits with dedicated boxes in various powers and types of use, for 48V track. Available in versions on-off or DALI or with wireless control also under Casambi protocol. With their three different dimensions and four offered wattages and their configurations settable to suit different needs, these supply kits are indispensable elements to complete the installation and to achieve its maximum simplification.
The models for integrated mounting into the track permit installations with completely hidden cablings.

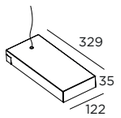


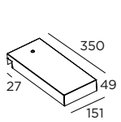


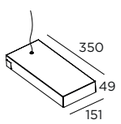


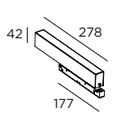












Driver Box

714					

Code	Version	Control	Kg	Finish	Adapter finish	Installation
714	**91** 75W	**50** ON/OFF	1,73	**42** ○ matt white	**/42** ○ matt white	**/PL** ceiling
	93 150W	**65** DALI/PUSH	1,73	**52** ● matt black	**/52** ● matt black	**/SO** suspension
		CA CASAMBI*	1,83			

** Control mode: DALI Broadcast or 4 addresses (to be pre-set by DALI software)*

Driver Box Maxi

714	94	50			

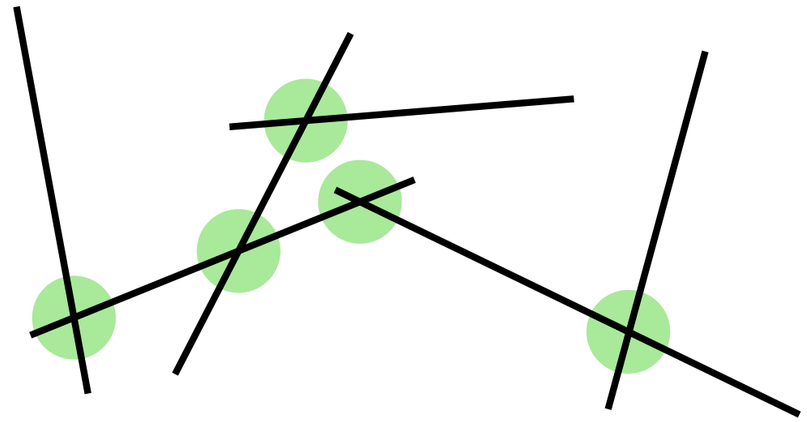
Cod.	Version	Control	Kg	Finish	Adapter finish	Installation
714	**94** 480W	**50** ON/OFF	4,7	**42** ○ matt white	**/42** ○ matt white	**/PL** ceiling
				52 ● matt black	**/52** ● matt black	**/SO** suspension

Driver Box Slim

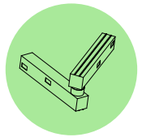
714	92	50			/BI

Cod.	Version	Control	Kg	Finish	Adapter finish	Installation
714	**92** 96W	**50** ON/OFF	0,65	**42** ○ matt white	**/42** ○ matt white	**/BI** track
				52 ● matt black	**/52** ● matt black	

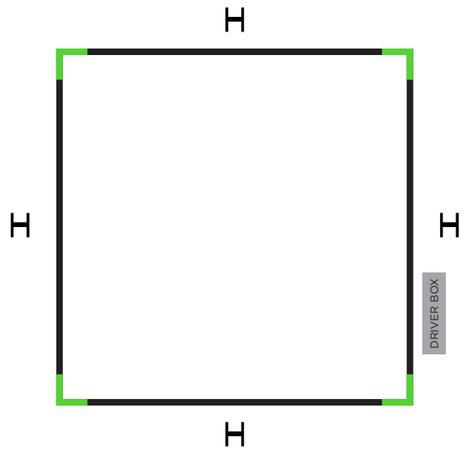
Compositional suggestions



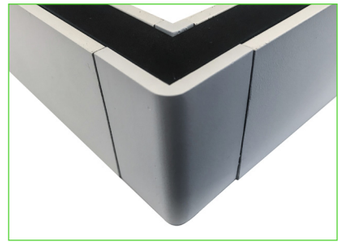
In open compositions of overlapping track 48, it is sufficient to use the simple electrical / mechanical connections.



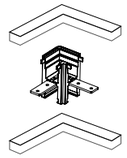
Electrical connection for overlapping tracks

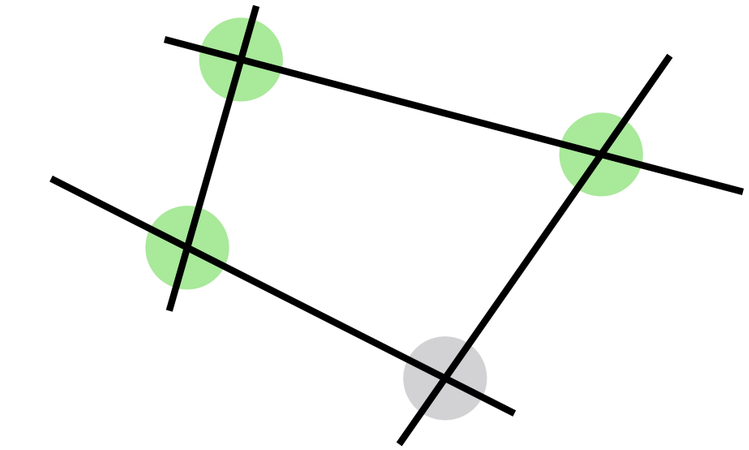


Example of closed configuration with non-overlapping elements with TWIN track.

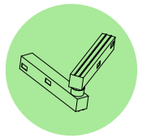


Detail of the 90° corner joint for TWIN track.

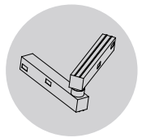




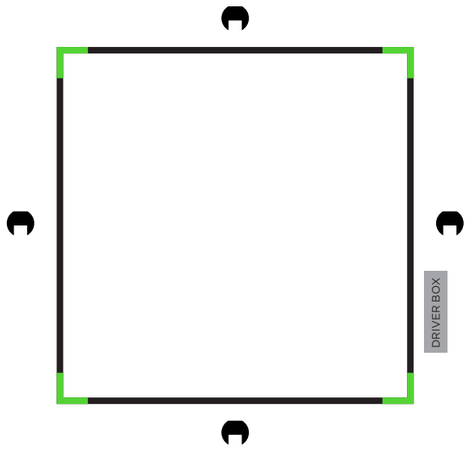
In “closed” compositions it is always recommended to use at least one mechanical connection only in order to avoid any polarity inversions.



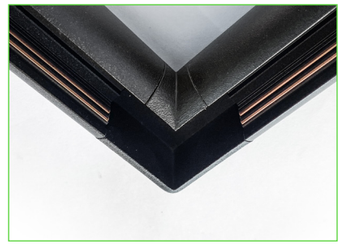
Electrical connection for overlapping tracks



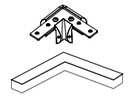
Mechanical connection for overlapping tracks



Example of closed configuration with non-overlapping elements with TUBE track.



Detail of the 90° corner joint for TUBE track.



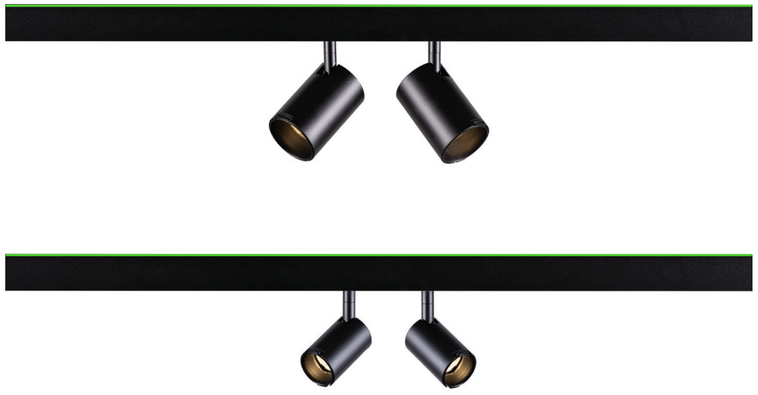
	on/off (single switch)	DALI	on/off (double switch each side)
EVO 	spots on/off version + speedy on/off version	spots DALI version + speedy DALI version	NOT POSSIBLE
TUBE 	spots on/off version + speedy on/off version	spots DALI version + speedy DALI version	**(Line1)** spots on/off version + speedy on/off version **(Line2)** spots on/off version "/DA*" + speedy on/off version "/DA*"
TWIN 	spots on/off version + speedy on/off version	spots DALI version + speedy DALI version	**(Line1)** spots on/off version + speedy on/off version **(Line2)** spots on/off version "/DA*" + speedy on/off version "/DA*"

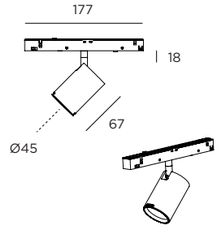
(*) fixture prepared for switch on Line2, available on request.

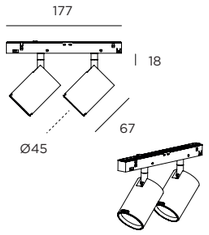
SPOT 48 REVO

IP20

LED Projectors for Track 48, Track 48 evo, Track 48 tube, Track 48 twin. Equipped with COB high density LED sources with high color rendering and with brand-new PMMA Cross-Dark optical units for the highest visual comfort and beam uniformity.
Spot 48 Revo is available in two diameters and in two powers and it guarantees beam homogeneity and beam definition at a museum quality level.
Characterized by UGR factors always below 10, Spot 48 Revo by means of its several accessories becomes totally invisible and perfect where the light quality and its total control influence the project good outcome. Completely manufactured in Italy, by numerical control machining, it has a full aluminum made body, powder painted with scratch resistant coatings.
Its body is able to provide a perfect heat dissipation as to conform to the L80B10 at 100.000 hours curve, the Mini version, and to the curve at 80.000 hours the Small version.







SPOT 48 REVO Small

383

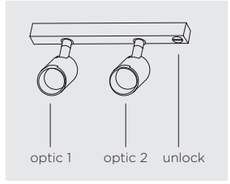
Code	Version		Kg
383	T1	1x8W - tot 9,5W	0,2
	T2	2x8W - tot 20,5W	0,36

Control	
50	ON/OFF
65	DALI/PUSH

Finish	
WH	matt white
BK	matt black
CG	concrete grey
CT	copper txt
MB	mud brown
GT	gold txt

Finish adp	
/42	matt white
/52	matt black

CRI - CCT	
/9527	95 - 2700K
/9530	95 - 3000K
/9540	95 - 4000K
/9727	97 - 2700K
/9730	97 - 3000K
/9740	97 - 4000K



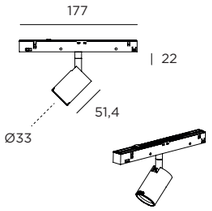
Opt.1		
/N	Narrow	13°
/S	Spot	20°
/M	Medium	30°

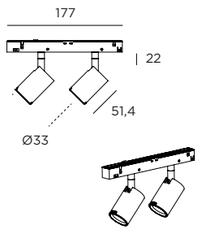
Acc.1	
NA	-
VS	Visor
SN	Snoot
EL	Ellipse
HL	Honeycomb

Opt.2*		
/N	Narrow	13°
/S	Spot	20°
/M	Medium	30°

Acc.2*	
NA	-
VS	Visor
SN	Snoot
EL	Ellipse
HL	Honeycomb

** To be completed only for version T2*





SPOT 48 REVO Mini

382

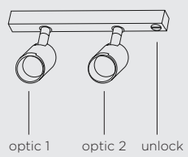
Code	Version		Kg
382	T1	1x4W - tot 5,3W	0,12
	T2	2x4W - tot 10,5W	0,2

Control	
50	ON/OFF
65	DALI/PUSH

Finish	
WH	matt white
BK	matt black
CG	concrete grey
CT	copper txt
MB	mud brown
GT	gold txt

Finish adp	
/42	matt white
/52	matt black

CRI - CCT	
/9527	95 - 2700K
/9530	95 - 3000K
/9540	95 - 4000K
/9727	97 - 2700K
/9730	97 - 3000K
/9740	97 - 4000K



Opt.1		
/N	Narrow	17°
/S	Spot	24°
/M	Medium	34°

Acc.1	
NA	-
VS	Visor
SN	Snoot
EL	Ellipse
HL	Honeycomb

Opt.2*		
/N	Narrow	17°
/S	Spot	24°
/M	Medium	34°

Acc.2*	
NA	-
VS	Visor
SN	Snoot
EL	Ellipse
HL	Honeycomb

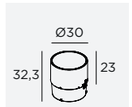
** To be completed only for version T2*

Spot 48 REVO Mini accessories

Snap-on accessory for the partial and directional reduction of the eventual glare. Can rotate of 360°. Replaces the ring supplied as standard.

Visor

Code
9G 069



Cylindrical accessory for the omnidirectional reduction of the eventual glare. Snap-on mounting. Replaces the ring supplied as standard.

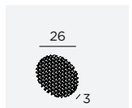
Snoot

Code
9G 070

Elliptical secondary lens. This holographic film must be put onto the primary optic to transform the beam in a elliptical beam. Various ellipses can be obtained depending on the chosen combinations. The lens can be rotated. Replaces the ring supplied as standard.

Elliptical lens

Code
9G 071



Antiglare honeycomb element. It can be snapped on the rear side of the projector standard ring.

Honeycomb louvre

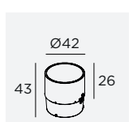
Code
9G 072

Spot 48 REVO Small accessories

Snap-on accessory for the partial and directional reduction of the eventual glare. Can rotate of 360°. Replaces the ring supplied as standard.

Visor

Code
9G 073



Cylindrical accessory for the omnidirectional reduction of the eventual glare. Snap-on mounting. Replaces the ring supplied as standard.

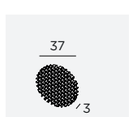
Snoot

Code
9G 074

Elliptical secondary lens. This holographic film must be put onto the primary optic to transform the beam in a elliptical beam. Various ellipses can be obtained depending on the chosen combinations. The lens can be rotated. Replaces the ring supplied as standard.

Elliptical lens

Code
9G 075



Antiglare honeycomb element. It can be snapped on the rear side of the projector standard ring.

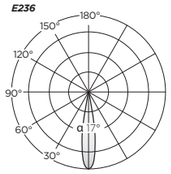
Honeycomb louvre

Code
9G 076

Spot 48 REVO mini

Power	Source consumption	CRI - CCT	Nominal	Optics			Delix output	Efficacy	Glaring	UGR
4W	4W	95 - 2700K	435 lm	Narrow	17°	***E236***	300 lm	75 lm/W	DARK	<10
				Narrow+Visor	-	***E237***	276 lm	69 lm/W	DARK	<10
				Narrow+Snoot	-	***E238***	216 lm	54 lm/W	DARK	<10
				Narrow+Elliptical	19°x36°	***E239***	189 lm	47 lm/W	DARK	<19
				Narrow+Honeycomb	-	***E240***	238 lm	60 lm/W	DARK	<10
				Spot	24°	***E241***	303 lm	76 lm/W	DARK	<10
				Spot+Visor	-	***E242***	303 lm	76 lm/W	DARK	<10
				Spot+Snoot	-	***E243***	233 lm	58 lm/W	DARK	<10
				Spot+Elliptical	25°x39°	***E244***	194 lm	48 lm/W		<19
				Spot+Honeycomb	-	***E245***	230 lm	57 lm/W	DARK	<10
				Medium	34°	***E246***	317 lm	79 lm/W	DARK	<16
				Medium+Visor	-	***E247***	317 lm	79 lm/W	DARK	<13
				Medium+Snoot	-	***E248***	256 lm	64 lm/W	DARK	<10
				Medium+Elliptical	33°x42°	***E249***	198 lm	50 lm/W		<19
				Medium+Honeycomb	-	***E250***	226 lm	56 lm/W	DARK	<10
		95 - 3000K	460 lm	Narrow	17°	***E236***	316 lm	79 lm/W	DARK	<10
				Narrow+Visor	-	***E237***	291 lm	73 lm/W	DARK	<10
				Narrow+Snoot	-	***E238***	228 lm	57 lm/W	DARK	<10
				Narrow+Elliptical	19°x36°	***E239***	199 lm	50 lm/W	DARK	<19
				Narrow+Honeycomb	-	***E240***	251 lm	63 lm/W	DARK	<10
				Spot	24°	***E241***	319 lm	80 lm/W	DARK	<10
				Spot+Visor	-	***E242***	319 lm	80 lm/W	DARK	<10
				Spot+Snoot	-	***E243***	246 lm	62 lm/W	DARK	<10
				Spot+Elliptical	25°x39°	***E244***	204 lm	51 lm/W		<19
				Spot+Honeycomb	-	***E245***	242 lm	61 lm/W	DARK	<10
				Medium	34°	***E246***	334 lm	84 lm/W	DARK	<16
				Medium+Visor	-	***E247***	334 lm	84 lm/W	DARK	<13
				Medium+Snoot	-	***E248***	270 lm	68 lm/W	DARK	<10
				Medium+Elliptical	33°x42°	***E249***	209 lm	52 lm/W		<19
				Medium+Honeycomb	-	***E250***	238 lm	60 lm/W	DARK	<10
		95 - 4000K	500 lm	Narrow	17°	***E236***	343 lm	86 lm/W	DARK	<10
				Narrow+Visor	-	***E237***	316 lm	79 lm/W	DARK	<10
				Narrow+Snoot	-	***E238***	248 lm	62 lm/W	DARK	<10
				Narrow+Elliptical	19°x36°	***E239***	216 lm	54 lm/W	DARK	<19
				Narrow+Honeycomb	-	***E240***	273 lm	68 lm/W	DARK	<10
				Spot	24°	***E241***	346 lm	87 lm/W	DARK	<10
				Spot+Visor	-	***E242***	346 lm	87 lm/W	DARK	<10
				Spot+Snoot	-	***E243***	267 lm	67 lm/W	DARK	<10
				Spot+Elliptical	25°x39°	***E244***	221 lm	55 lm/W		<19
				Spot+Honeycomb	-	***E245***	263 lm	66 lm/W	DARK	<10
				Medium	34°	***E246***	363 lm	91 lm/W	DARK	<16
				Medium+Visor	-	***E247***	363 lm	91 lm/W	DARK	<13
				Medium+Snoot	-	***E248***	293 lm	73 lm/W	DARK	<10
				Medium+Elliptical	33°x42°	***E249***	227 lm	57 lm/W		<19
				Medium+Honeycomb	-	***E250***	258 lm	65 lm/W	DARK	<10
		97 -2700K	390 lm	Narrow	17°	***E236***	269 lm	67 lm/W	DARK	<10
				Narrow+Visor	-	***E237***	248 lm	62 lm/W	DARK	<10
				Narrow+Snoot	-	***E238***	194 lm	49 lm/W	DARK	<10
				Narrow+Elliptical	19°x36°	***E239***	170 lm	42 lm/W	DARK	<19
				Narrow+Honeycomb	-	***E240***	214 lm	53 lm/W	DARK	<10
				Spot	24°	***E241***	262 lm	66 lm/W	DARK	<10
				Spot+Visor	-	***E242***	272 lm	68 lm/W	DARK	<10
				Spot+Snoot	-	***E243***	210 lm	52 lm/W	DARK	<10
				Spot+Elliptical	25°x39°	***E244***	174 lm	43 lm/W		<19
				Spot+Honeycomb	-	***E245***	206 lm	52 lm/W	DARK	<10
				Medium	34°	***E246***	285 lm	71 lm/W	DARK	<16
				Medium+Visor	-	***E247***	285 lm	71 lm/W	DARK	<13
				Medium+Snoot	-	***E248***	230 lm	58 lm/W	DARK	<10
				Medium+Elliptical	33°x42°	***E249***	178 lm	45 lm/W		<19
				Medium+Honeycomb	-	***E250***	203 lm	51 lm/W	DARK	<10
		97 -3000K	410 lm	Narrow	17°	***E236***	281 lm	70 lm/W	DARK	<10
				Narrow+Visor	-	***E237***	259 lm	65 lm/W	DARK	<10
				Narrow+Snoot	-	***E238***	203 lm	51 lm/W	DARK	<10
				Narrow+Elliptical	19°x36°	***E239***	177 lm	44 lm/W	DARK	<19
				Narrow+Honeycomb	-	***E240***	223 lm	56 lm/W	DARK	<10
				Spot	24°	***E241***	284 lm	71 lm/W	DARK	<10
				Spot+Visor	-	***E242***	284 lm	71 lm/W	DARK	<10
				Spot+Snoot	-	***E243***	219 lm	55 lm/W	DARK	<10
				Spot+Elliptical	25°x39°	***E244***	181 lm	45 lm/W		<19
				Spot+Honeycomb	-	***E245***	215 lm	54 lm/W	DARK	<10
				Medium	34°	***E246***	297 lm	74 lm/W	DARK	<16
				Medium+Visor	-	***E247***	297 lm	74 lm/W	DARK	<13
				Medium+Snoot	-	***E248***	240 lm	60 lm/W	DARK	<10
				Medium+Elliptical	33°x42°	***E249***	186 lm	46 lm/W		<19
				Medium+Honeycomb	-	***E250***	212 lm	53 lm/W	DARK	<10
		97 -4000K	460 lm	Narrow	17°	***E236***	316 lm	79 lm/W	DARK	<10
				Narrow+Visor	-	***E237***	291 lm	73 lm/W	DARK	<10
				Narrow+Snoot	-	***E238***	228 lm	57 lm/W	DARK	<10
				Narrow+Elliptical	19°x36°	***E239***	199 lm	50 lm/W	DARK	<19
				Narrow+Honeycomb	-	***E240***	251 lm	63 lm/W	DARK	<10
				Spot	24°	***E241***	319 lm	80 lm/W	DARK	<10
				Spot+Visor	-	***E242***	319 lm	80 lm/W	DARK	<10
				Spot+Snoot	-	***E243***	246 lm	62 lm/W	DARK	<10
				Spot+Elliptical	25°x39°	***E244***	204 lm	51 lm/W		<19
				Spot+Honeycomb	-	***E245***	242 lm	61 lm/W	DARK	<10
				Medium	34°	***E246***	334 lm	84 lm/W	DARK	<16
				Medium+Visor	-	***E247***	334 lm	84 lm/W	DARK	<13
				Medium+Snoot	-	***E248***	270 lm	68 lm/W	DARK	<10
				Medium+Elliptical	33°x42°	***E249***	209 lm	52 lm/W		<19
				Medium+Honeycomb	-	***E250***	238 lm	60 lm/W	DARK	<10

E236



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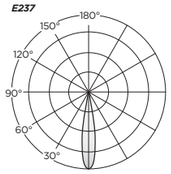

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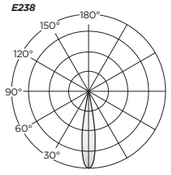

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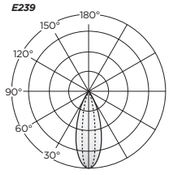

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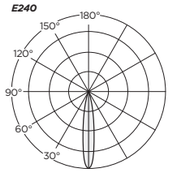

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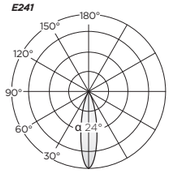

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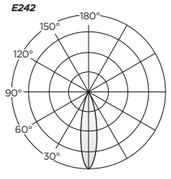

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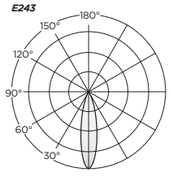

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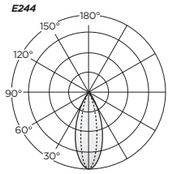

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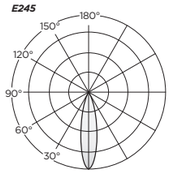

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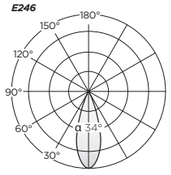

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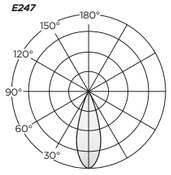

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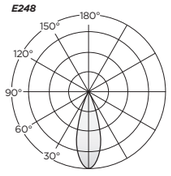

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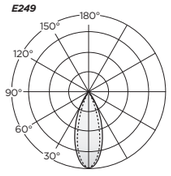

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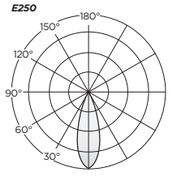
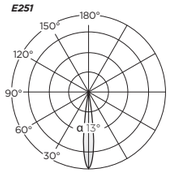


Spot 48 REVO small

Power	Source consumption	CRI - CCT	Nominal	Optics			Delix output	Efficacy	Glaring	UGR
8W	8,6W	95 - 2700K	780 lm	Narrow	13°	***E251***	575 lm	67 lm/W	DARK	<10
				Narrow+Visor	-	***E252***	566 lm	66 lm/W	DARK	<10
				Narrow+Snoot	-	***E253***	509 lm	59 lm/W	DARK	<10
				Narrow+Elliptical	16°x54°	***E254***	435 lm	51 lm/W		<19
				Narrow+Honeycomb	-	***E255***	509 lm	59 lm/W	DARK	<10
				Spot	20°	***E256***	636 lm	74 lm/W	DARK	<10
				Spot+Visor	-	***E257***	618 lm	72 lm/W	DARK	<10
				Spot+Snoot	-	***E258***	589 lm	68 lm/W	DARK	<10
				Spot+Elliptical	20°x58°	***E259***	457 lm	53 lm/W		<19
				Spot+Honeycomb	-	***E260***	485 lm	56 lm/W	DARK	<10
				Medium	30°	***E261***	620 lm	72 lm/W	DARK	<10
				Medium+Visor	-	***E262***	603 lm	70 lm/W	DARK	<10
				Medium+Snoot	-	***E263***	573 lm	67 lm/W	DARK	<10
				Medium+Elliptical	30°x64°	***E264***	524 lm	61 lm/W		<19
				Medium+Honeycomb	-	***E265***	432 lm	50 lm/W	DARK	<10
		95 - 3000K	825 lm	Narrow	13°	***E251***	606 lm	70 lm/W	DARK	<10
				Narrow+Visor	-	***E252***	597 lm	69 lm/W	DARK	<10
				Narrow+Snoot	-	***E253***	536 lm	62 lm/W	DARK	<10
				Narrow+Elliptical	16°x54°	***E254***	459 lm	53 lm/W		<19
				Narrow+Honeycomb	-	***E255***	536 lm	62 lm/W	DARK	<10
				Spot	20°	***E256***	670 lm	78 lm/W	DARK	<10
				Spot+Visor	-	***E257***	651 lm	76 lm/W	DARK	<10
				Spot+Snoot	-	***E258***	621 lm	72 lm/W	DARK	<10
				Spot+Elliptical	20°x58°	***E259***	563 lm	65 lm/W		<19
				Spot+Honeycomb	-	***E260***	511 lm	59 lm/W	DARK	<10
				Medium	30°	***E261***	653 lm	76 lm/W	DARK	<10
				Medium+Visor	-	***E262***	636 lm	74 lm/W	DARK	<10
				Medium+Snoot	-	***E263***	604 lm	70 lm/W	DARK	<10
				Medium+Elliptical	30°x64°	***E264***	552 lm	64 lm/W		<19
				Medium+Honeycomb	-	***E265***	455 lm	53 lm/W	DARK	<10
		95 - 4000K	895 lm	Narrow	13°	***E251***	658 lm	77 lm/W	DARK	<10
				Narrow+Visor	-	***E252***	648 lm	75 lm/W	DARK	<10
				Narrow+Snoot	-	***E253***	582 lm	68 lm/W	DARK	<10
				Narrow+Elliptical	16°x54°	***E254***	498 lm	58 lm/W		<19
				Narrow+Honeycomb	-	***E255***	582 lm	68 lm/W	DARK	<10
				Spot	20°	***E256***	727 lm	85 lm/W	DARK	<10
				Spot+Visor	-	***E257***	707 lm	82 lm/W	DARK	<10
				Spot+Snoot	-	***E258***	674 lm	78 lm/W	DARK	<10
				Spot+Elliptical	20°x58°	***E259***	611 lm	71 lm/W		<19
				Spot+Honeycomb	-	***E260***	555 lm	65 lm/W	DARK	<10
				Medium	30°	***E261***	709 lm	82 lm/W	DARK	<10
				Medium+Visor	-	***E262***	691 lm	80 lm/W	DARK	<10
				Medium+Snoot	-	***E263***	656 lm	76 lm/W	DARK	<10
				Medium+Elliptical	30°x64°	***E264***	599 lm	70 lm/W		<19
				Medium+Honeycomb	-	***E265***	494 lm	57 lm/W	DARK	<10
		97 -2700K	700 lm	Narrow	13°	***E251***	517 lm	60 lm/W	DARK	<10
				Narrow+Visor	-	***E252***	509 lm	59 lm/W	DARK	<10
				Narrow+Snoot	-	***E253***	457 lm	53 lm/W	DARK	<10
				Narrow+Elliptical	16°x54°	***E254***	391 lm	46 lm/W		<19
				Narrow+Honeycomb	-	***E255***	457 lm	53 lm/W	DARK	<10
				Spot	20°	***E256***	571 lm	66 lm/W	DARK	<10
				Spot+Visor	-	***E257***	555 lm	65 lm/W	DARK	<10
				Spot+Snoot	-	***E258***	529 lm	62 lm/W	DARK	<10
				Spot+Elliptical	20°x58°	***E259***	480 lm	56 lm/W		<19
				Spot+Honeycomb	-	***E260***	436 lm	51 lm/W	DARK	<10
				Medium	30°	***E261***	557 lm	65 lm/W	DARK	<10
				Medium+Visor	-	***E262***	542 lm	63 lm/W	DARK	<10
				Medium+Snoot	-	***E263***	515 lm	60 lm/W	DARK	<10
				Medium+Elliptical	30°x64°	***E264***	471 lm	55 lm/W		<19
				Medium+Honeycomb	-	***E265***	388 lm	45 lm/W	DARK	<10
		97 -3000K	730 lm	Narrow	13°	***E251***	539 lm	63 lm/W	DARK	<10
				Narrow+Visor	-	***E252***	531 lm	62 lm/W	DARK	<10
				Narrow+Snoot	-	***E253***	476 lm	55 lm/W	DARK	<10
				Narrow+Elliptical	16°x54°	***E254***	408 lm	47 lm/W		<19
				Narrow+Honeycomb	-	***E255***	476 lm	55 lm/W	DARK	<10
				Spot	20°	***E256***	596 lm	69 lm/W	DARK	<10
				Spot+Visor	-	***E257***	579 lm	67 lm/W	DARK	<10
				Spot+Snoot	-	***E258***	552 lm	64 lm/W	DARK	<10
				Spot+Elliptical	20°x58°	***E259***	500 lm	58 lm/W		<19
				Spot+Honeycomb	-	***E260***	454 lm	53 lm/W	DARK	<10
				Medium	30°	***E261***	580 lm	67 lm/W	DARK	<10
				Medium+Visor	-	***E262***	565 lm	66 lm/W	DARK	<10
				Medium+Snoot	-	***E263***	537 lm	62 lm/W	DARK	<10
				Medium+Elliptical	30°x64°	***E264***	491 lm	57 lm/W		<19
				Medium+Honeycomb	-	***E265***	404 lm	47 lm/W	DARK	<10
		97 -4000K	825 lm	Narrow	13°	***E251***	606 lm	70 lm/W	DARK	<10
				Narrow+Visor	-	***E252***	597 lm	69 lm/W	DARK	<10
				Narrow+Snoot	-	***E253***	536 lm	62 lm/W	DARK	<10
				Narrow+Elliptical	16°x54°	***E254***	459 lm	53 lm/W		<19
				Narrow+Honeycomb	-	***E255***	536 lm	62 lm/W	DARK	<10
				Spot	20°	***E256***	670 lm	78 lm/W	DARK	<10
				Spot+Visor	-	***E257***	651 lm	76 lm/W	DARK	<10
				Spot+Snoot	-	***E258***	621 lm	72 lm/W	DARK	<10
				Spot+Elliptical	20°x58°	***E259***	563 lm	65 lm/W		<19
				Spot+Honeycomb	-	***E260***	511 lm	59 lm/W	DARK	<10
				Medium	30°	***E261***	653 lm	76 lm/W	DARK	<10
				Medium+Visor	-	***E262***	636 lm	74 lm/W	DARK	<10
				Medium+Snoot	-	***E263***	604 lm	70 lm/W	DARK	<10
				Medium+Elliptical	30°x64°	***E264***	552 lm	64 lm/W		<19
				Medium+Honeycomb	-	***E265***	455 lm	53 lm/W	DARK	<10

E251



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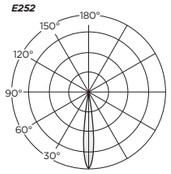

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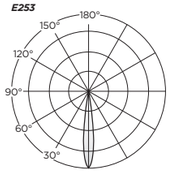

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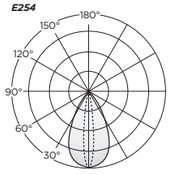

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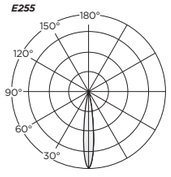

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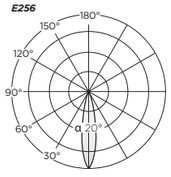

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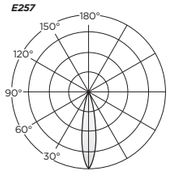

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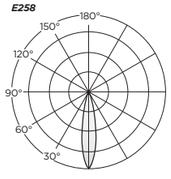
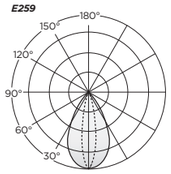
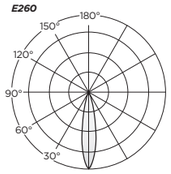


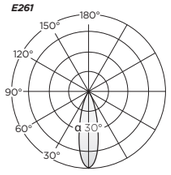
E259



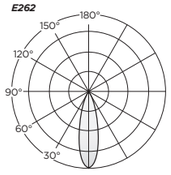
E260



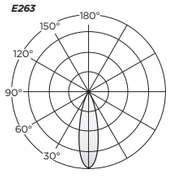
E261



E262



E263



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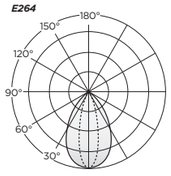
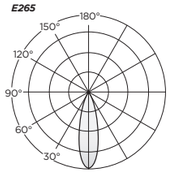


E265



SPEEDY

IP40

Linear LED lighting unit for the Track 48 system. To be flush installed into the track for indirect or direct lighting, it provides a soft light diffusion with a cross beam of about 120°.
The connection terminal is on one end, the other end is free and emitting light. It is available in a range of different powers and lengths, dimmable or on-off versions.
Its typical uniform and continuous emission can be refined by an additive opaline screen, in order to maximize the diffusion, or by a microprismatic screen to control the luminance when in direct lighting.

l=767
l=1767
l=2767

63

l=1270
l=1570
l=2470

230

Speedy ON/OFF

716			50			
Code	**Version**	**Kg**	**Control**	**Finish**		**CRI - CCT***
716	**70** L= 830mm 12W	0,21	**50** ON/OFF	**40** ○	white	**/8527** 85 - 2700K
	72 L= 1830mm 24W	0,5		**50** ●	black	**-** 85 - 3000K
	74 L= 2830mm 37W	0,71				**/8540** 85 - 4000K

** For the version CRI 85 - 3000K it is not necessary to fill in the field.*

Speedy DALI

716			65			
Code	**Version**	**Kg**	**Control**	**Finish**		**CRI - CCT***
716	**75** L= 1500mm 15W - tot. 16W	0,38	**65** DALI	**40** ○	white	**/8527** 85 - 2700K
	71 L= 1800mm 18,5W - tot. 20W	0,5		**50** ●	black	**-** 85 - 3000K
	73 L= 2700mm 29W - tot. 31,5W	0,7				**/8540** 85 - 4000K

** For the version CRI 85 - 3000K it is not necessary to fill in the field.*

Opal diffuser or microprismatic

Diffuser

Code	Finish	Lenght	
9G0	**77** opal	**/077** 767mm	for SPEEDY L=830mm
	78 microprismatic	**/127** 1270mm	for SPEEDY L=1500mm
		/157 1570mm	for SPEEDY L=1800mm
		/177 1767mm	for SPEEDY L=1830mm
		/247 2470mm	for SPEEDY L=2700mm
		/277 2767mm	for SPEEDY L=2830mm

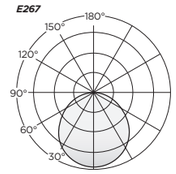
SPEEDY_ accessory

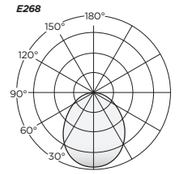
Two-conductor By-pass wiring available in two lengths 6m or 11m. to be used in conjunction with the Speedy, if it is not possible to obtain electrical continuity between two contiguous tracks.

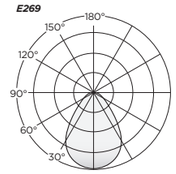
By-pass*

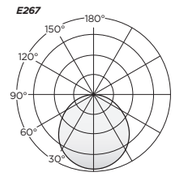
Code	Lenght		Kg	Finish	
716	**90 00**	L= 6m	0,45	**40** ○	white
	91 00	L= 11m	0,75	**50** ●	black

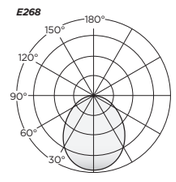
** Power supply only for V+/V- line.*

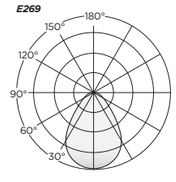












Speedy 48 on/off Without diffuser

Power	Source consumption	CRI - CCT	Nominal	Optics		Delix output	Efficacy
12	10,6	85 - 2700K	947	Diffuse	***E267***	676 lm	64 lm/W
		85 - 3000K	975	Diffuse	***E267***	697 lm	66 lm/W
		85 - 4000K	1006	Diffuse	***E267***	718 lm	68 lm/W
24	23,2	85 - 2700K	2175	Diffuse	***E267***	1553 lm	67 lm/W
		85 - 3000K	2242	Diffuse	***E267***	1602 lm	69 lm/W
		85 - 4000K	2311	Diffuse	***E267***	1651 lm	71 lm/W
37	37,2	85 - 2700K	3404	Diffuse	***E267***	2431 lm	65 lm/W
		85 - 3000K	3509	Diffuse	***E267***	2506 lm	67 lm/W
		85 - 4000K	3617	Diffuse	***E267***	2584 lm	69 lm/W

Speedy 48 on/off Opal diffuser

Power	Source consumption	CRI - CCT	Nominal	Optics		Delix output	Efficacy
12	10,6	85 - 2700K	947	Opal	***E268***	550 lm	52 lm/W
		85 - 3000K	975	Opal	***E268***	567 lm	53 lm/W
		85 - 4000K	1006	Opal	***E268***	585 lm	55 lm/W
24	23,2	85 - 2700K	2175	Opal	***E268***	1264 lm	54 lm/W
		85 - 3000K	2242	Opal	***E268***	1303 lm	56 lm/W
		85 - 4000K	2311	Opal	***E268***	1344 lm	58 lm/W
37	37,2	85 - 2700K	3404	Opal	***E268***	1979 lm	53 lm/W
		85 - 3000K	3509	Opal	***E268***	2040 lm	55 lm/W
		85 - 4000K	3617	Opal	***E268***	2103 lm	57 lm/W

Speedy 48 on/off Microprismatic diffuser

Power	Source consumption	CRI - CCT	Nominal	Optics		Delix output	Efficacy	UGR
12	10,6	85 - 2700K	947	Microprismatic	***E269***	552 lm	52 lm/W	<19
		85 - 3000K	975	Microprismatic	***E269***	569 lm	54 lm/W	<19
		85 - 4000K	1006	Microprismatic	***E269***	586 lm	55 lm/W	<19
24	23,2	85 - 2700K	2175	Microprismatic	***E269***	1268 lm	55 lm/W	<19
		85 - 3000K	2242	Microprismatic	***E269***	1307 lm	56 lm/W	<19
		85 - 4000K	2311	Microprismatic	***E269***	1347 lm	58 lm/W	<19
37	37,2	85 - 2700K	3404	Microprismatic	***E269***	1984 lm	53 lm/W	<19
		85 - 3000K	3509	Microprismatic	***E269***	2045 lm	55 lm/W	<19
		85 - 4000K	3617	Microprismatic	***E269***	2108 lm	57 lm/W	<19

Speedy 48 DALI Without diffuser

Power	Source consumption	CRI - CCT	Nominal	Optics		Delix output	Efficacy
15	14	85 - 2700K	1564	Diffuse	***E267***	1117 lm	80 lm/W
		85 - 3000K	1613	Diffuse	***E267***	1152 lm	82 lm/W
		85 - 4000K	1663	Diffuse	***E267***	1188 lm	85 lm/W
18,5	18,2	85 - 2700K	1936	Diffuse	***E267***	1383 lm	76 lm/W
		85 - 3000K	1994	Diffuse	***E267***	1424 lm	78 lm/W
		85 - 4000K	2055	Diffuse	***E267***	1468 lm	81 lm/W
29	28,8	85 - 2700K	3042	Diffuse	***E267***	2173 lm	75 lm/W
		85 - 3000K	3136	Diffuse	***E267***	2240 lm	78 lm/W
		85 - 4000K	3233	Diffuse	***E267***	2310 lm	80 lm/W

Speedy 48 DALI Opal diffuser

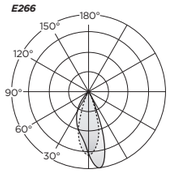
Power	Source consumption	CRI - CCT	Nominal	Optics		Delix output	Efficacy
15	14	85 - 2700K	1564	Opal	***E268***	910 lm	65 lm/W
		85 - 3000K	1613	Opal	***E268***	938 lm	67 lm/W
		85 - 4000K	1663	Opal	***E268***	967 lm	69 lm/W
18,5	18,2	85 - 2700K	1936	Opal	***E268***	1126 lm	62 lm/W
		85 - 3000K	1994	Opal	***E268***	1160 lm	64 lm/W
		85 - 4000K	2055	Opal	***E268***	1196 lm	66 lm/W
29	28,8	85 - 2700K	3042	Opal	***E268***	1770 lm	61 lm/W
		85 - 3000K	3136	Opal	***E268***	1825 lm	63 lm/W
		85 - 4000K	3233	Opal	***E268***	1881 lm	65 lm/W

Speedy 48 DALI Microprismatic diffuser

Power	Source consumption	CRI - CCT	Nominal	Optics		Delix output	Efficacy	UGR
15	14	85 - 2700K	1564	Microprismatic	***E269***	913 lm	65 lm/W	<19
		85 - 3000K	1613	Microprismatic	***E269***	941 lm	67 lm/W	<19
		85 - 4000K	1663	Microprismatic	***E269***	970 lm	69 lm/W	<19
18,5	18,2	85 - 2700K	1936	Microprismatic	***E269***	1129 lm	62 lm/W	<19
		85 - 3000K	1994	Microprismatic	***E269***	1163 lm	64 lm/W	<19
		85 - 4000K	2055	Microprismatic	***E269***	1199 lm	66 lm/W	<19
29	28,8	85 - 2700K	3042	Microprismatic	***E269***	1775 lm	62 lm/W	<19
		85 - 3000K	3136	Microprismatic	***E269***	1830 lm	64 lm/W	<19
		85 - 4000K	3233	Microprismatic	***E269***	1886 lm	65 lm/W	<19

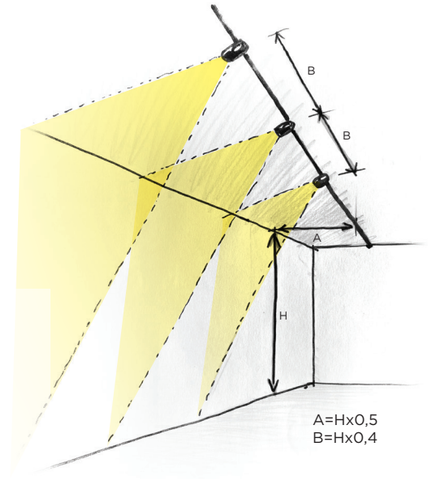
R2 REwall

LED projector with asymmetrical wall-washer optic.
With diameter 84 mm and manufactured from die-cast aluminum, it is equipped with anti-luminance louver designed not to interfere in any way on the light beam and it is shaped to provide optimal performances.
Available in two powers 13 W and 26 W, it is always dimmable by the on-board potentiometer or by DALI and Casambi protocols.
To be installed with an inclination of 40 ° on the vertical as indicated on the graduated rotor and interdistances determined by the dimensional relationships of the environment.
Its effective and innovative polycarbonate lens guarantees a 70% lighting homogeneity, with efficiency higher than 85 lm/W and a performance maintenance longer than 100.000 hours, according to the curve L80B10.
R2 Rewall, thanks to its flexibility and to its power can even light walls up to 6 meters of height, with a soft and well distributed light.
It can also be used for indirect lighting as a ceiling-washer, because of the possibility to rotate the lens.



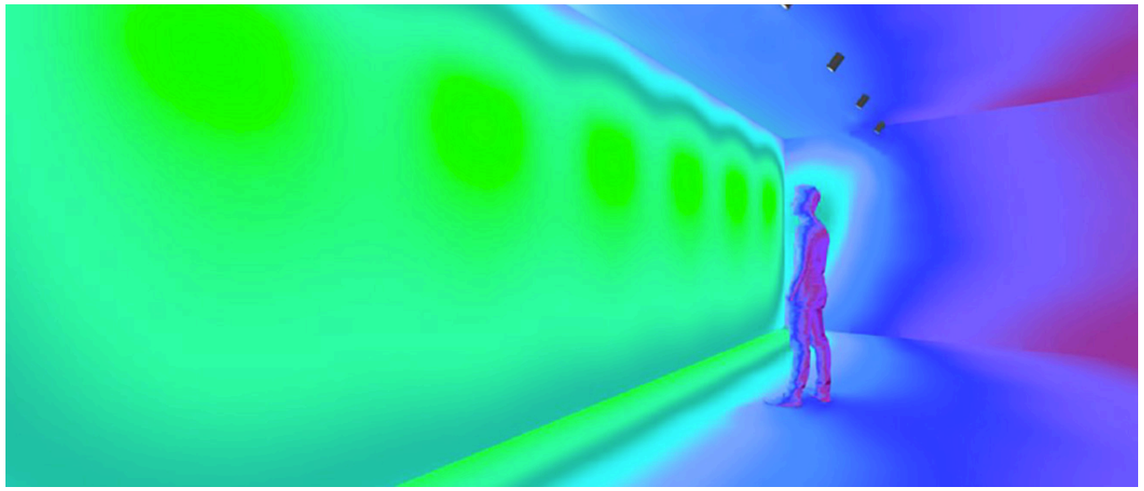
R2 48 Wallwasher

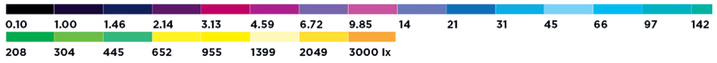
Power	Source consumption	CRI - CCT	Nominal	Optics		Delix output	Efficacy
13	11,7	85 - 3000K	1955 lm	Wallwasher	***E266***	1262 lm	108 lm/W
	11,5	95 - 2700K	1610 lm	Wallwasher	***E266***	1039 lm	90 lm/W
	11,5	95 - 3000K	1675 lm	Wallwasher	***E266***	1081 lm	94 lm/W
	11,5	95 - 4000K	1700 lm	Wallwasher	***E266***	1097 lm	95 lm/W
26	24,4	85 - 3000K	3490 lm	Wallwasher	***E266***	2252 lm	92 lm/W
	23,8	95 - 2700K	2915 lm	Wallwasher	***E266***	1855 lm	78 lm/W
	23,8	95 - 3000K	3030 lm	Wallwasher	***E266***	1929 lm	81 lm/W
	23,8	95 - 4000K	3080 lm	Wallwasher	***E266***	1958 lm	82 lm/W

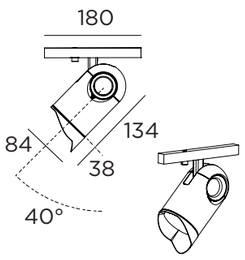


R2WW POSITIONINGS

height (H)	wall distance (A)	gap (B)	
		nominal	maximum
height 3m	1,5	1,2	1,5
other heights	a=0,5*h	b=0,4*h	b=0,5*h







R2 REwall

615

Code	Control		Kg
615	**TW**	DALI	0,91
	TP	Rotary Potentiometer	0,91

Power	
54	13W - tot 13W
55	26W - tot 27,5W

Body finish	
BT	black txt
CG	concrete grey
WT	white txt

Finish hole/arm	
/17	matt orange
/22	spring green
/6T	ocean blue
/BT	black txt
/CG	concrete grey
/WT	white txt

Adapter finish	
/42	matt white
/52	matt black

CRI - CCT*	
-	85 - 3000K
/9527	95 - 2700K
/9530	95 - 3000K
/9540	95 - 4000K

** For the version CRI 85 - 3000K it is not necessary to fill in the field.*

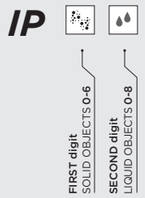
PROTECTION LEVEL

The ***IP*** (International Protection - IEC standard 60529) standard establishes the resistance of a product against the intrusion of solid particles (such as parts of the body and dust) as well as liquids.

The ***IP*** - - code is followed by two digits according to the table, the first refers to the intrusion of solid bodies, the second to the degree of protection against liquid penetration.

	FIRST digit **SOLID OBJECTS value 0 – 6**
IP 0 –	No protection against contact and ingress of objects
IP 1 –	Any large surface of the body, such as the back of a hand, but no protection agains deliberate contact with a body part >50 mm
IP 2 –	Fingers or similar objects >12.5 mm
IP 3 –	Tools, thick wires, etc >2.5 mm
IP 4 –	Most wires, slender screws, large ant etc. >1 mm
IP 5 –	Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment.
IP 6 –	No ingress of dust; complete protection against contact (dust tight). A vacuum must be applied. Test duration of up to 8 hours based on air flow.

	SECOND digit **LIQUID OBJECTS value 0 - 8**
IP – 0	No protection against contact and ingress of liquid
IP – 1	Vertically dripping water shall have no harmful effect when the enclosure is tilted at an angle of 15° from its normal position. A total of four positions are tested within two axes. Dripping water.
IP – 2	Vertically dripping water shall have no harmful effect when the enclosure is tilted at an angle of 15° from its normal position. A total of four positions are tested within two axes. Dripping water when tilted at 15°.
IP – 3	Water falling as a spray at any angle up to 60° from the vertical shall have no harmful effect, utilizing either: a) an oscillating fixture, or b) A spray nozzle with a counterbalanced shield. Spraying water.
IP – 4	Water splashing against the enclosure from any direction shall have no harmful effect, utilizing either: a) an oscillating fixture, or b) A spray nozzle with no shield. Splashing of water.
IP – 5	Water projected by a nozzle (6.3 mm) against enclosure from any direction shall have no harmful effects. Water jets.
IP – 6	Water projected in powerful jets (12.5 mm nozzle) against the enclosure from any direction shall have no harmful effects. Powerful water jets.
IP – 7	Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1 m of submersion). Immersion, up to 1 m depth.
IP – 8	The equipment is suitable for continuous immersion in water under conditions which shall be specified by the manufacturer. However, with certain types of equipment, it can mean that water can enter but only in such a manner that it produces no harmful effects. Immersion, 1 m or more depth.



PROTECTION CLASS

The electrical insulation classes are the homogeneous grouping defined by the IEC (International Electrotechnical Commission) which refers to the technical specifications that are applicable to an electric device to limit the risk of electrocution resulting from a failure of the system.

CLASS	**DESCRIPTION**
0	These appliances have no protective-earth connection and feature only a single level of insulation between live parts and exposed metalwork. If permitted at all, Class 0 items are intended for use in dry areas only. A single fault could cause an electric shock or other dangerous occurrence, without triggering the automatic operation of any fuse or circuit breaker. Sales of such items have been prohibited in much of the world for safety reasons, for example in the UK by Section 8 of The Low Voltage Electrical Equipment (Safety) Regulations 1989 and New Zealand by the Electricity Act. However, equipment of this class is common in 110V countries, and in much of the 220V developing world, whether permitted officially or not. These appliances must have their chassis connected to electrical earth.
I	These appliances must have their chassis connected to electrical earth (US: ground) by a separate earth conductor (coloured green/yellow in most countries, green in the US, Canada and Japan). The earth connection is achieved with a 3-conductor mains cable, typically ending with 3-prong AC connector which plugs into a corresponding AC outlet. The basic requirement is that no single failure can result in dangerous voltage becoming exposed so that it might cause an electric shock and that if a fault occurs the supply will be removed automatically (this is sometimes referred to as ADS = Automatic Disconnection of Supply). A fault in the appliance which causes a live conductor to contact the casing will cause a current to flow in the earth conductor. If large enough, this current will trip an over-current device (fuse or circuit breaker (CB)) and disconnect the supply . The disconnection time has to be fast enough not to allow fibrillation to start if a person is in contact with the casing at the time. This time and the current rating in turn sets a maximum earth resistance permissible. To provide supplementary protection against high-impedance faults it is common to recommend a residual-current device (RCD) also known as a residual current circuit breaker (RCCB), ground fault circuit interrupter (GFCI), or residual current operated circuit-breaker with integral over-current protection (RCBO), which will cut off the supply of electricity to the appliance if the currents in the two poles of the supply are not equal and opposite.
II	A Class II or double insulated electrical appliance is one which has been designed in such a way that it does not require a safety connection to electrical earth (ground). The basic requirement is that no single failure can result in dangerous voltage becoming exposed so that it might cause an electric shock and that this is achieved without relying on an earthed metal casing. This is usually achieved at least in part by having at least two layers of insulating material between live parts and the user, or by using reinforced insulation. In Europe, a double insulated appliance must be labelled Class II or double insulated or bear the double insulation symbol (a square inside another square). Insulated AC/DC power supplies (such as cell-phone chargers) are typically designated as Class II, meaning that the DC output wires are isolated from the AC input. The designation "Class II" should not be confused with the designation "Class 2", as the latter is unrelated to insulation (it originates from standard UL 1310, setting limits on maximum output voltage/current/power).
III	A Class III appliance is designed to be supplied from a separated/safety extra-low voltage (SELV) power source. The voltage from a SELV supply is low enough that under normal conditions a person can safely come into contact with it without risk of electrical shock. The extra safety features built into Class I and Class II appliances are therefore not required. For medical devices, compliance with Class III is not considered sufficient protection, and further more-stringent regulations apply to such equipment.

UGR IN EXENIA PRODUCTS

The UGR index - Unified Glare Rating - defines the level of irritating glare, produced by the light illuminating a room. The index is defined by many factors which depend on the kind of the fixtures (the emitting surface of the device in relation to the flux play an important role) and the installation environment since the finishes of the walls, the floor, the location of the furnishings, the presence of windows play a role as well.

The value is the result of the following equation:

$$UGR = 8 \log_{10}\left(\frac{0{,}25}{L_b}\sum_{N_a}\frac{L^2\omega}{\rho^2}\right)$$

"Lb" and " L2" are respectively the luminance of the background and the luminance of the luminous parts of each fixture, *"ω"* is the solid angle subtended by the same, *"ρ"* is the Guth position index (function of the longitudinal distance between the human eye, the transverse plane of the source and the transverse distance between the eye and the longitudinal plane of the source).

Although today the assessment of the irritating glare level can be processed by means of a lighting design software, the above-mentioned equation can immediately point out that when defining the UGR parameter, we can consider the background luminance, the overall luminance of the installed fixtures that are in the same field of view by taking into account the solid angle of view of the observer and the position of the devices in relation to the observer.

Making it easier, the luminance is a ratio that considers the light reaching our eyes by reflection from an illuminated surface and the light that comes from an emitting surface. The luminance depends on the intensity of the source and from the apparent area of the surface directed to the observer. It is clear that the luminance value always depends on the observer position with respect to the lighting source.

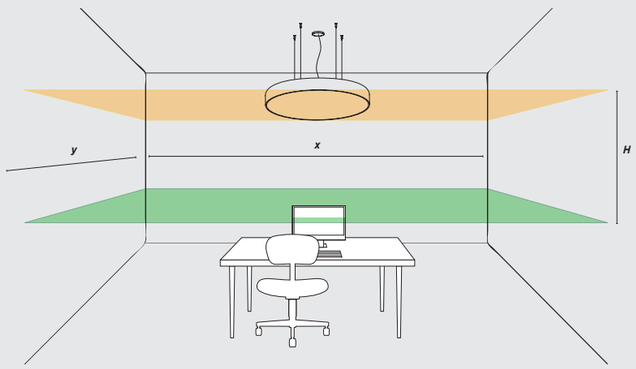
The regulations which define the UGR value are in the indoor lighting UNI EN 12464-1 2011, CIE publication 117 standards.

The UGR scale can be considered for minimum values that start at 10 (no glare), up to 30 (high glare). The UGR limits are given every three units (10, 13, 16, 19, 22 etc.) since every three units there is a change to a different class in accordance with the standard,
Some fixtures of our range of products have reference values of the indexes according to the UGR tabular method for reflection coefficients 752 (0.7 ceiling, 0.5 walls, 0.2 floor) which consider X = 4H, Y = 2H as room dimensions (H is the height difference between the eye and the light sources).

We would like to remind that these values are samples and valid only in case of use of fixtures which are:

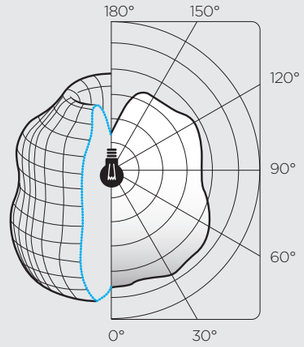
- installed in rectangular rooms;
- installed together with other fixtures of the same type and the same level;
- symmetrical and arranged in parallel to the wall.

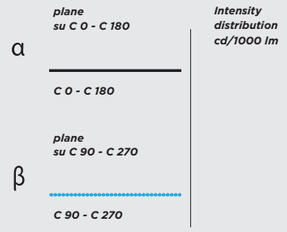
For further information or evaluations, we recommend making a simulation by means of a lighting design software.



PHOTOMETRIC DATA

In this catalogue, each product has the polar diagrams reported for each power and beam combination. For ease of reference, the representations of the distributions on international reference levels (C0-C180 and C90-C270) have been summarized for different fixtures with the same distribution of light intensities. For symmetrical and rotosimmetrical fixtures only one curve is represented. For multiple optics products, the photometry should be repeated for the number of units.





The luminous intensities shown in the diagrams are the relative intensities, therefore, to be multiplied by the flux value of the fixture expressed in klm. Polar curves are only the initial tool to identify the behaviour and the lighting performance in the preliminary stages of each project. After that, the elumdat file should be thoroughly analysed. The elumdat file can be downloaded for each fixture code at our website ***www.exenia.eu.***

INFO

LED LIFE
Each of our products is studied and tested in pejorative conditions in order to obtain an optimal ratio between operating temperatures and light emission of the diodes, it is understood that each power decrease will make possible the extension of the corresponding 'Lifetime'.

LED KEY FEATURES
The EXENIA products in the catalogue use LED lights of the leading brand in the industry, such as CITIZEN™, PANASONIC™, CREE™ and BRIDGELUX™.
In addition, Exenia ensures that its LED COB are selected with SDCM features (standard deviation of colour matching) inside the third step Mac Adam ellipse. However, compared to the plate data reported by manufacturers you should consider the tolerances that are due to LED manufacturing process. Such tolerances involve small differences between the various sources and manufactures.

DIMENSION
All dimensions are in mm, unless otherwise specified.

FINISHES COLOURS
The colours of the illustrated articles are simply indicative of the real nuance.

CE Our products enforce the European Community Rules 73/23 CEE - 93/68 CEE - 89/336 CEE and the CE mark is printed on the packaging.

CONSORZIO ECOLIGHT
EXENIA belongs to the Consorzio Ecolight established in 2004 to comply with the previsions of European Directive 2002/96/CE-RAEE converted by Italian law into Legislative Decree No.151 dated 25/07/2005 for the management, recovery and treatment of electrical and electronic devices at the end of their usable life, in respect of all the regulations in force on the subject of environmental safeguards.

PHOTOBIOLOGICAL RISK
The LED used belongs to the "RG (risk free)" group according to the photobiological risk rating of EN 62471: 2008.

5 YEARS WARRANTY
Exenia warrants that its products are free from manufacturing and/or material defects, in case of use in conformity with the destination, for a period of five years from the date of the invoice as indicated in the general conditions of guarantee which can be consulted on website **www.exenia.eu**.

EXENIA srl reserves the right to change, at any time and without prior warning, the technical specification of any product shown in this catalogue.

Symbols_

- *Product in Class I Earth connection*
- *Product in Class II Double insulation*
- *Product in Class III Very low safety voltage 12V*
- *Defines the level of irritating glare*
- *Degree of Protection*
- *Degree of Protection Reflector*
- *Degree of protection Recessed housing*
- *Glow wire*
- *Energy classes*
- *Square cutting hole*
- *Round cutting hole*
- *Depth downlight*
- *Weight Kg*
- *Product which can be installed on normally flammable surfaces (90°C).*
- *Repaintable parget white finishing*
- *Permanent emergency version*

- *Diffused lighting fitting*
- *Fitting as direct light*
- *Fitting as indirect light*
- *Fitting as direct and indirect light*
- *Indipendent driver, that it can be installed separately outside the lighting fitting without any additional enclosure*
- *Drivers equipped with thermal protection. The points in the triangle replace the values (°C) of the maximum nominal temperature of the casing*
- *Drivers can be installed on flammable surface. The part of the driver which comes into contact with the flammable surface does not exceed 95°C at normal operation, and 115°C in the case of failure of the driver. DIN VDE 0710-T14*
- *Safety transformers resistant to short circuits (integrated protection)*

- *Driver with direct current output*
- *Driver with constant voltage*
- *Very low safety voltage conforming to EN 61347-2-2*
- *Power Factor Corrector: this is for stabilizing the lamp parameters (voltage and current) when mains voltage varies*
- *Component or equipment suitable for cascade connection*
- *European norms electrical certification*
- *All products are manufactured in compliance with the following norms and subsequent variations; in compliance with European Norms (2004/108/CE - 2006/95/CE) for CE marking CE - 2000/55/CE - 2008/35/CE*

DIALux *partner*

Colours and finishes_

Indoor finishes

- *MATT ORANGE*
- *MATT WHITE RAL. 9003 MATT*
- *PARGET WHITE RAL. 9003 MATT*
- *CONCRETE GREY*
- *BABY BLUE*
- *CORTEN EFFECT*
- *CORTEN*
- *CLEAR WOOD*
- *WHITE WOOD*
- *MATT BROWN*
- *MATT BLACK RAL. 9005 MATT*
- *RED*
- *OCEAN BLUE RAL. 5012 MATT*
- *BRICK RED*
- *WHITE TXT RAL. 9003 MATT*
- *BLACK TXT RAL. 9005 MATT*
- *SPRING GREEN*
- *ANODIZED GREY*
- *MUD BROWN*
- *SAND*
- *CONCRETE GREY*

Glossy finishes

- *GLOSSY WHITE RAL. 9003 GLOSS*
- *CORN YELLOW*
- *LACQUERED RED*
- *GLOSSY BLACK RAL. 9005 GLOSS*
- *CHROME*
- *GLOSSY SPRING GREEN*

Textured finishes

- *DARK BRONZE TXT*
- *COPPER TXT*
- *GOLD TXT*

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