L I N I A

CONTINUOUS LIGHTING BUSBAR SYSTEM

RIDI

Introduction to LINIA

HISTORY - TRIED AND TESTED

At RIDI we have a long history of making fast fix continuous lighting/trunking systems. LINIA was first introduced in 1987 into the German market where a culture of using fast fix lighting systems was well established – particularly in a country where labour rates were some of the highest in Europe.

Today's system has evolved in one of the most proven lighting busbar systems on the market. With connectors developed exclusively in conjunction with Wago (whose main business is electrical connection), the current system was first launched in 2010 and has been RIDI Groups main selling product throughout Europe. Because of its high reliability and speed of installations, today RIDI LINIA is used by many major blue chip users. Users particularly like the systems easy maintainability too.

DESIGN - SIMPLE and ERGONOMIC

LINIA is one of the most ergonomically designed products in this sector. Not only is it easy to connect but has a vast range of integrated standard luminaire designs to suit all types of interiors. The system is so easy to reconfigure if the business needs change and spare parts are committed to be available 10 years after a product is discontinued.

LINIA system is produced in a highly automated RIDI facility near Hamburg where quality control is maintained to a high level. The finished product is relatively light yet structurally sturdy for many rigorous industrial applications. The LINIA system is designed to be easily handled and cut on site where necessary.

It's simplicity of design means it can be used in a wide range of interior applications. Obviously, the product has its roots in industrial design but the current trend for simplistically designed products and stripped out interiors means LINIA can cross over comfortably into commercial applications.

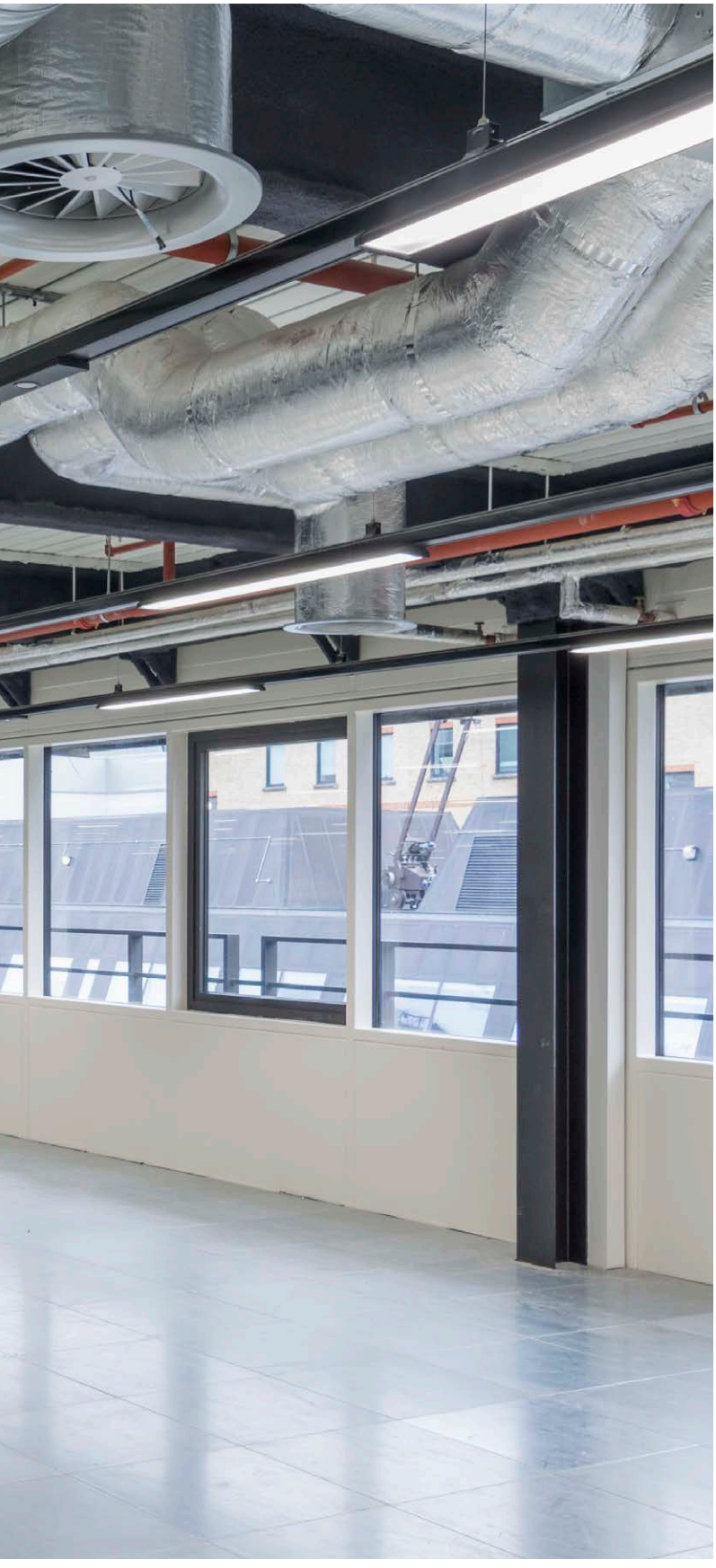
ELECTRICAL DESIGN

As an electrical carrier, the LINIA busbar system is designed to be extremely safe, reliable and error proof to install. In fact, RIDI designed the plug and play nature of the product so that the system can be mechanically installed by anyone with a professional electrician only required to feed the supply to the system. With the ability to have 3 switch lines, DALI dimming lines and Emergency lines, the system is very flexible and easy to commission. All integrated luminaire options have strong and secure fixings for reassurance and peace of mind for a reliable system for years ahead.

Contents

Application | Offices

No1 Finsbury Avenue, London
VLG-FS

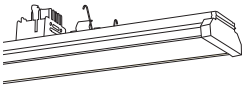


With the modern trends in office design for stripping back conventional suspended ceilings and exposing electrical and mechanical services, LINIA's busbar trunking system is an ideal system for these applications. With LINIA's roots embedded in its industrial origins, it provides a robust and flexible carrier system which is ideal for Cat A installations. It also suits the aesthetics of such interiors and is available in 3 standard colours to blend in or contrast.

The busbar system is also an ideal carrier for emergency lighting and control systems, where items such as sensors can easily be integrated or repositioned at any time.

The range is also available with a wide range of optics for office applications as well as being a suitable carrier for many products for RIDI and Spectral Lightings stand-alone luminaires.

The project shown here are is a Category A fit out refurbishment of the iconic No1 Finsbury Avenue Building.



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Application | Warehouses / Industry

The robust nature of RIDI LINIA make it ideal for all sorts of warehouse and general industrial applications. With the easy option to upgrade to IP54 by adding additional simple accessories, LINIA can be used on most applications. New to the range are chemically resistant LED boards designed to survive in more hostile areas. This prevents deterioration of the LED's and ultimately extends the service life of such products.

LINIA is available with a wide range of optics for most lighting distributions, whether mounted at low or high level. RIDI's optical systems are regarded as some of the most efficient on the market.

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Application | Retail

Realmarkte, Krefeld
VLG-FP and Lupo

LINIA has been a popular product with some key Supermarket chains throughout Europe. It's proven fast assembly time, competitive pricing and efficient luminaire modules make it a perfect choice for this type of environment. RIDI has a luminaire to suit most supermarket base schemes and can also compliment these with a wide range of spotlight and signage luminaires.

LINIA can also be customised for key retail customers and has invested in specific optics to suit the needs of particular clients.

The project featured here is from a Realmarkte, Krefeld where the entire LINIA system is supplied in black. The base scheme uses VLG-FP with a variety of optics. RIDI Lupo spot modules have been used in between luminaires to provide feature adjustable spotlighting.

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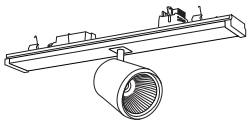

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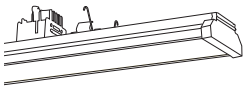
Application | Industrial

Motor Manufacturer Sussex
VLG-FS.. MPS

Due to the range of optics and diffusers available with RIDI LINIA, planning lighting for production tasks is very simple and flexible. Many of these optics can also be supplied as part of an enhanced IP54 system too. Furthermore, versions with new chemically resistant LED boards are available for more hostile areas. This prevents deterioration of the LED's and ultimately extends the service life of such products, so less maintenance is required on the overall system.

LINIA is very fast to install so applying this system to existing production areas means less downtime and easier maintenance in the future. Reconfiguration to the system is quick and easy too when changes to the production areas are desired.

The project shown here is a premium motor manufacturer in West Sussex. A variety of tasks are performed, and some tasks require 1000 lux with very high colour rendering. Here special colour 957 chips were used in order to maintain both accuracy of work and examination of materials such as premium hides. Because RIDI Group produce their own boards in Germany, RIDI LINIA can be adapted to any special requirements where needed.



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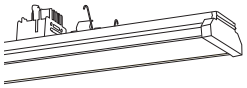
Application | Education

Salford College
VLG-FS .. MPS

LINIA is a very cost-effective system for the education market. With a wide and diverse range of luminaires available, the system can meet most budgets and most design criteria. The design can range from a more simplistic batten style system to a more architectural direct/indirect system. All to suit a wide range of budgets.

Because of its fast install and easy to wire busbar system, the system can be installed quickly to suit most critical school shut-down periods. Many of LINIA systems main parts are also held in stock for quick delivery.

The project shown here is Salford college. Here a system was needed to suit a variety of heights throughout the building whilst providing 500 lux for this LRC environment. The designers chose the system for its design simplicity and neatly integrated luminaires, while delivering good glare control.



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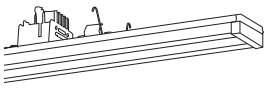
Application | Data Centres

Data centres have specific demands where LINIA can prove to be an ideal solution. Apart from the usual construction advantages of speed of installation etc., LINIA can be maintained by non qualified staff. Should any of the integrated luminaire modules need servicing or replacing, they can easily be switched in and out without any disturbance to the mains or rest of the lighting system. This is particularly important high security applications where access is difficult.

LINIA can also be supplied with a range of integrated controls as well as the option of being fed by a secure central battery system. This makes LINIA totally versatile.

LINIA luminaire modules are mainly constructed from extruded aluminium which dissipates heat well. This means the luminaires can work with the hot and cold temperature imbalances of a typical Data Hall.



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Extruded aluminium construction for excellent thermal performance.

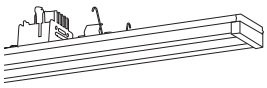
Application | Sports

University of Bath
VLG-FP

With a variety of suitable optics available, LINIA can be configured very precisely for various sports requirements. For example, with badminton where there is a requirement for no immediate overhead lighting, luminaires can be used with asymmetric or double asymmetric lenses to light the space accurately without distracting glare.

The system is also robust and torsionally strong enough to cope with most sporting activities. Additional safety fixings can be supplied with certain fixtures to offer peace of mind in the event of a direct impact.

The project featured is a sports facility at the University of Bath where the system was designed to work with a deep timber baffled ceiling. Because of the height involved, a deep narrow optic was chosen. The luminaires are controlled via a DALI system.



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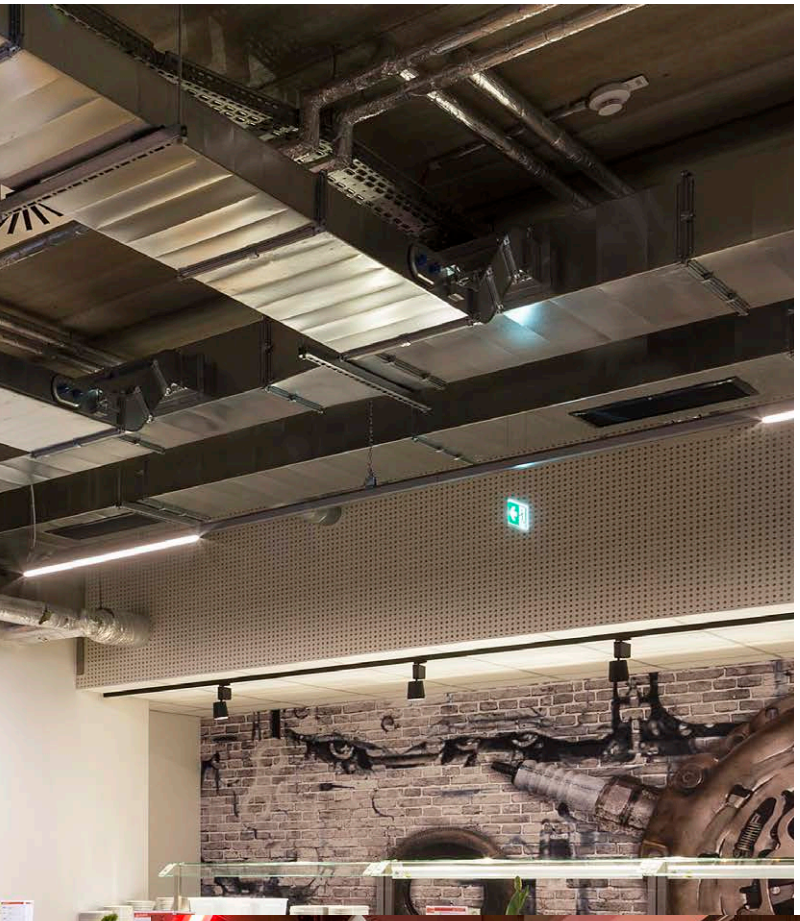
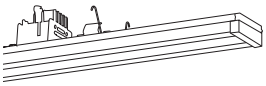
Application | Public Spaces



Versatility and flexibility are the key requirements when it comes to lighting public areas such as exhibition space, galleries, terminal buildings etc. The system should be easy to maintain, easy to reconfigure and have flexibility for switching to the varying task requirements.

LINIA can cater for these requirements with its highly versatile 11 core internal wiring. This allows for multiple switching and dimmable lines that can work with most lighting control systems.
The addition of sensors and emergency lighting systems mean all your lighting requirements can be met in one easy to install system.

The addition of IP54 accessories also means that spaces that are partially exposed to the elements, such as terminals and leisure facilities, can also use the entire flexibility of the LINIA system.



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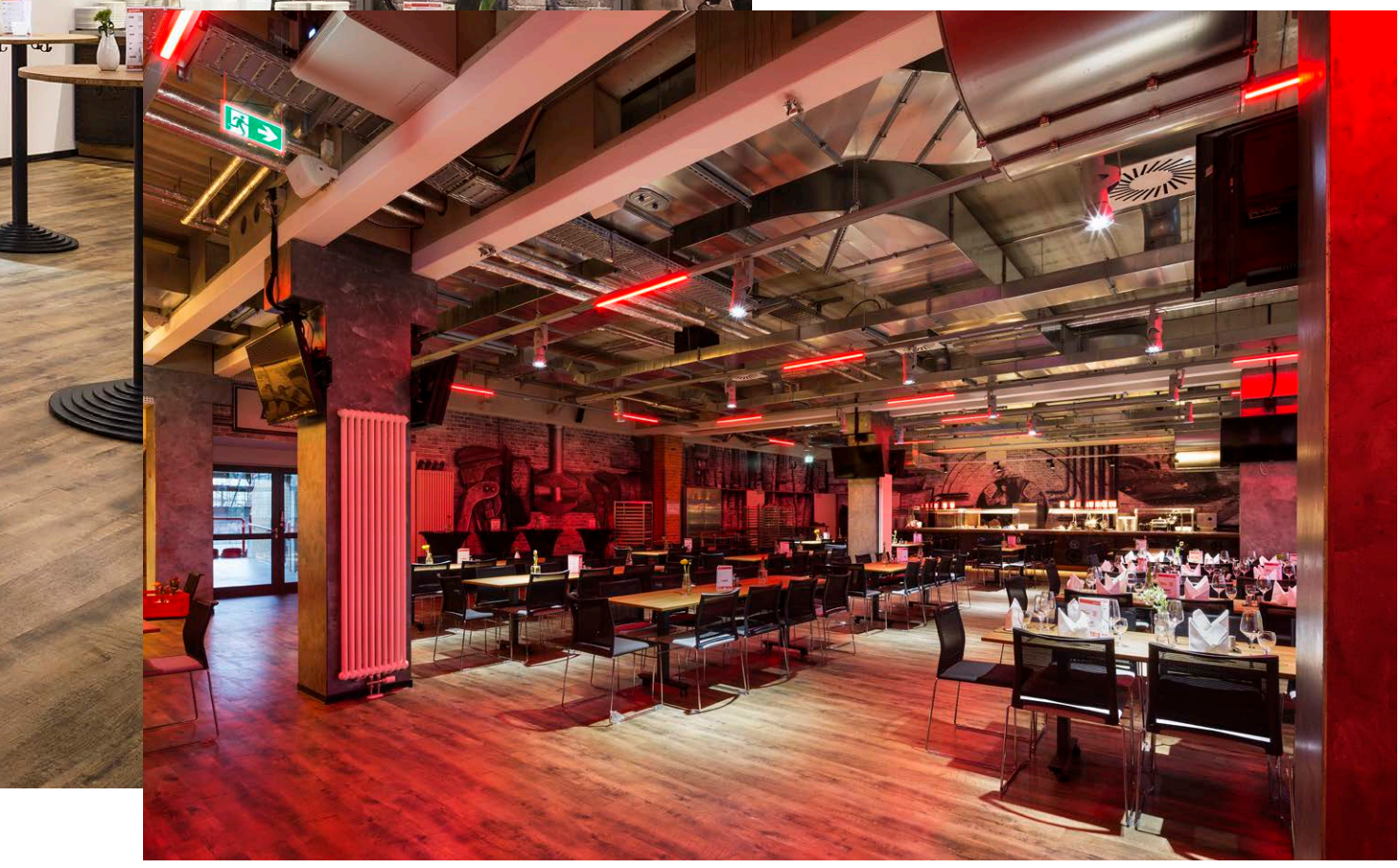


Application | Linia as power distribution

Because of the range of adapters available, LINIA can also feed remote luminaires as a perfect power feed system. LINIA trunking can be placed behind ceiling systems with ceiling luminaires plugged directly into the trunking. This can be an advantage where luminaires are spread apart and using marshalling boxes becomes impractical.

LINIA can also be used as a suspended power feed to supply hibay type luminaires. As well as this the system can also be embedded into an exposed services environment with tap offs into suspended luminaires.

Connector plates with particular plug/socket arrangements can be made specially for most popular systems.

SAFE | SIMPLE | SAVE | SELECTABLE

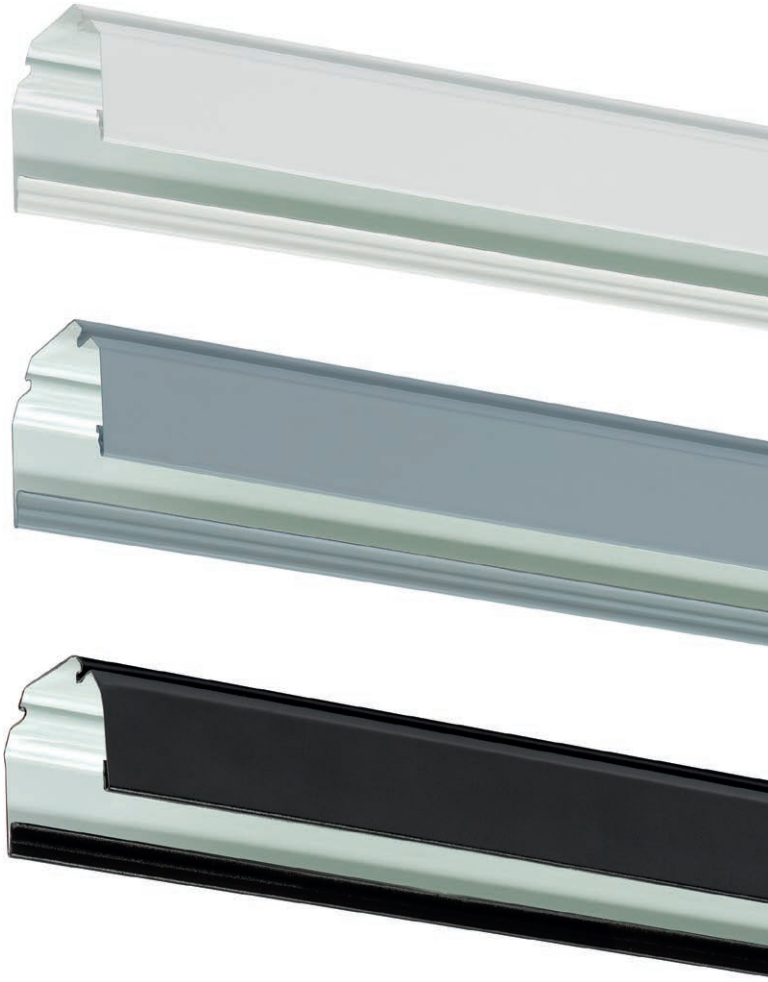
- IP54 with the simple addition of accessories.
- Vertical connection system with positive electrical fixing.
- Additional mechanical supports for secure and safe fixings.
- Minimum 10-year commitment to parts availability means you will never struggle for spares.
- Designed to be easy to install and not rely on additional electrical work.
- New chemically resistant LED board options for heavier industrial applications

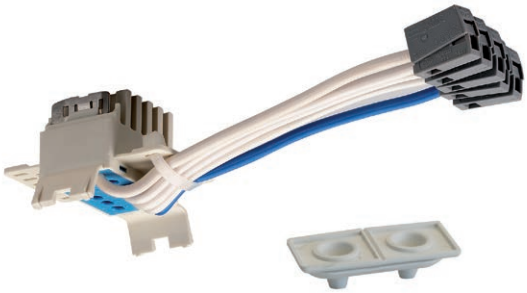
5 Yr
Warranty

10 Yr
Parts Availability

SAFE | **SIMPLE** | SAVE | SELECTABLE

- New metric sizes make planning simple
- Intuitive internal colour navigation system
- Easy phase selection or reselection for all luminaire modules
- Flexible fixing points anywhere along the length of the trunking busbar
- Luminaires can be positioned anywhere along the busbar
- Easy to cut to size

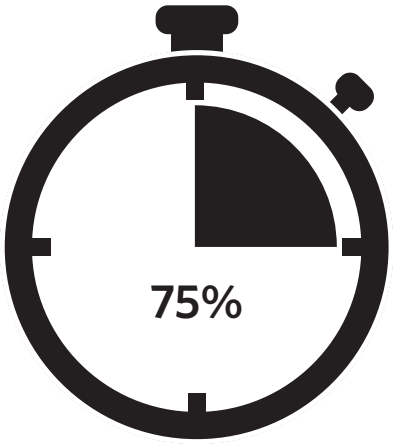


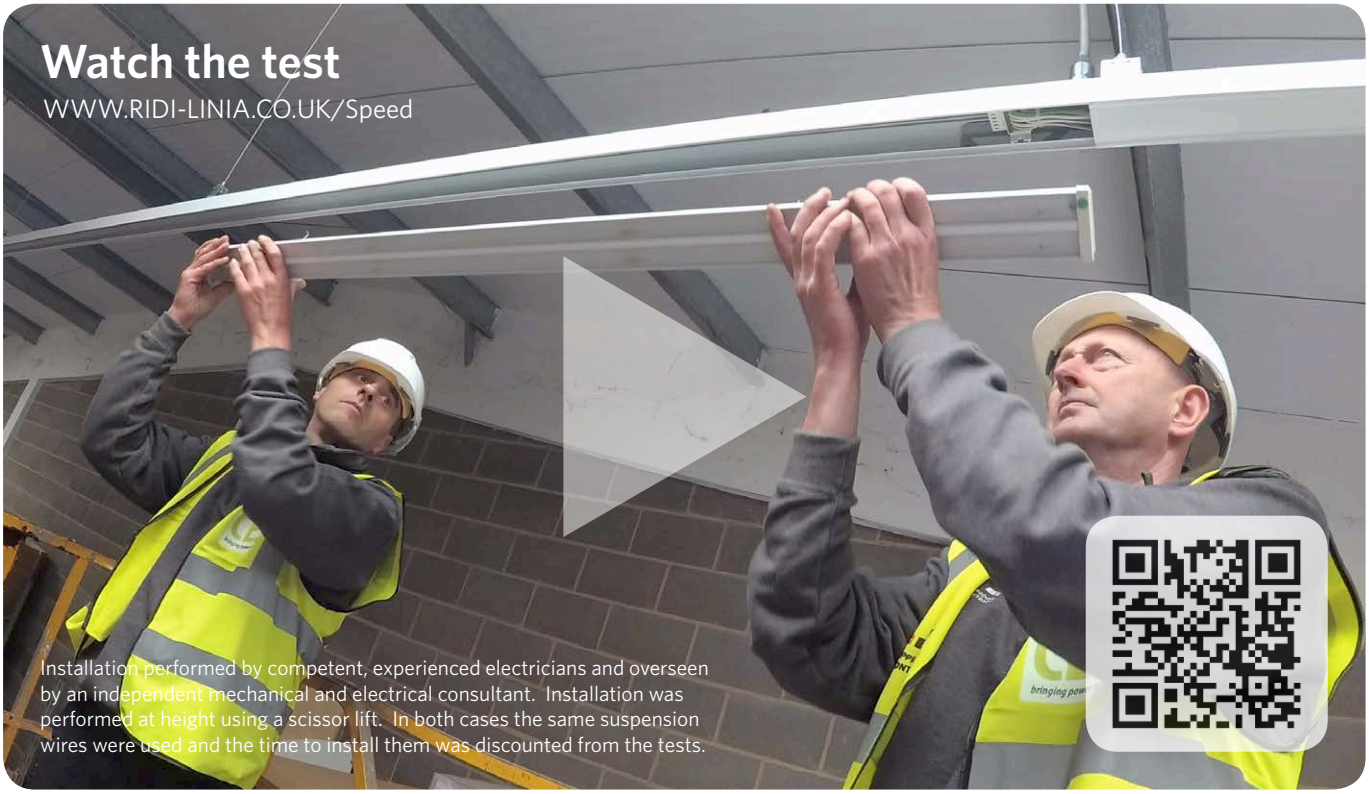


SAFE | SIMPLE | **SAVE** | SELECTABLE

- 75% faster to install over conventional trunking with traditional wiring
- Competitive pricing
- System only requires qualified electrician to supply feed into the LINIA run.
- Highly energy efficient lighting modules – options for various optics to deliver light where you need it.
- Easy integration of lighting controls to further save energy
- Simple easy maintenance, two emergency lines*

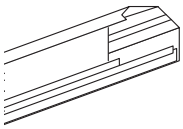
Save 75% on your install time with RIDI LINIA



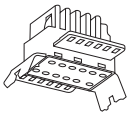


SAFE | SIMPLE | SAVE | **SELECTABLE**

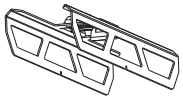
- Wide choice of integrated luminaire modules for many applications
- Easy selection of switch lines on a circuit
- Can fix luminaires from other ranges within RIDI Group
- Other manufacturers luminaires can be adapted to fit
- Wide range of optics for industrial applications
- Choice of 5, 7 and 11-core busbar trunking allowing for systems to have three switch lines, two Dali lines and two emergency lines*



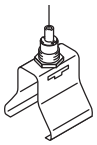
Trunking



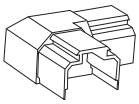
Feeds & ends



Joins & covers

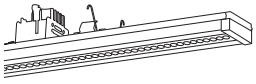


Fixings



Junctions

VLG-FP
VLPG-FP



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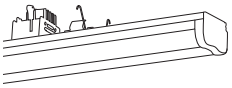

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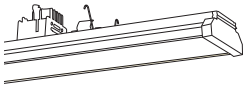

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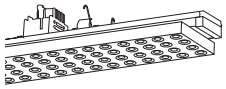
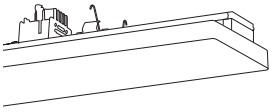


VLG-LENSES



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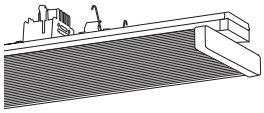

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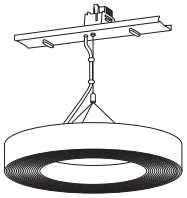
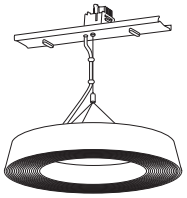


Iris



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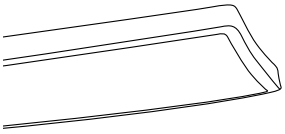
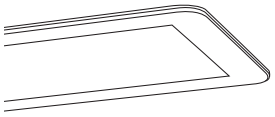


Jep



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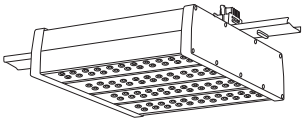
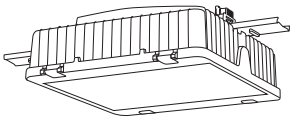
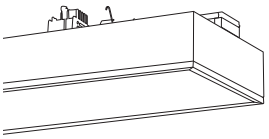


HERO



ROBUST



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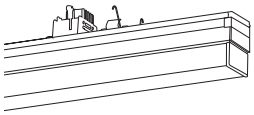
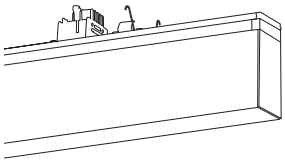
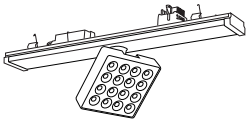


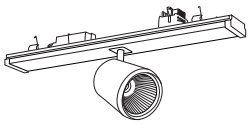
LF



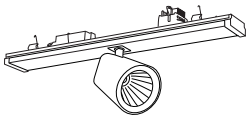
VENICE



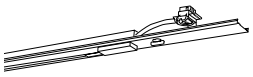
KARO



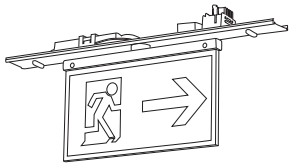
LUPO



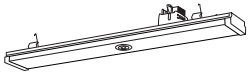
CIRQUA



VLM-STS

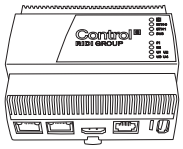


VLMF - HW

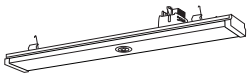


VLMF-NL

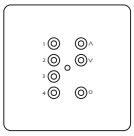
Mini Central Battery



Control[3]



Sensors



Switches

LINIA Trunking

11 pole Bus-bar lighting trunking

Power feed

Located end of run or mid run between joins of trunking lengths

Single power feed supplies the entire run. No further wiring to be done when fitting luminaires

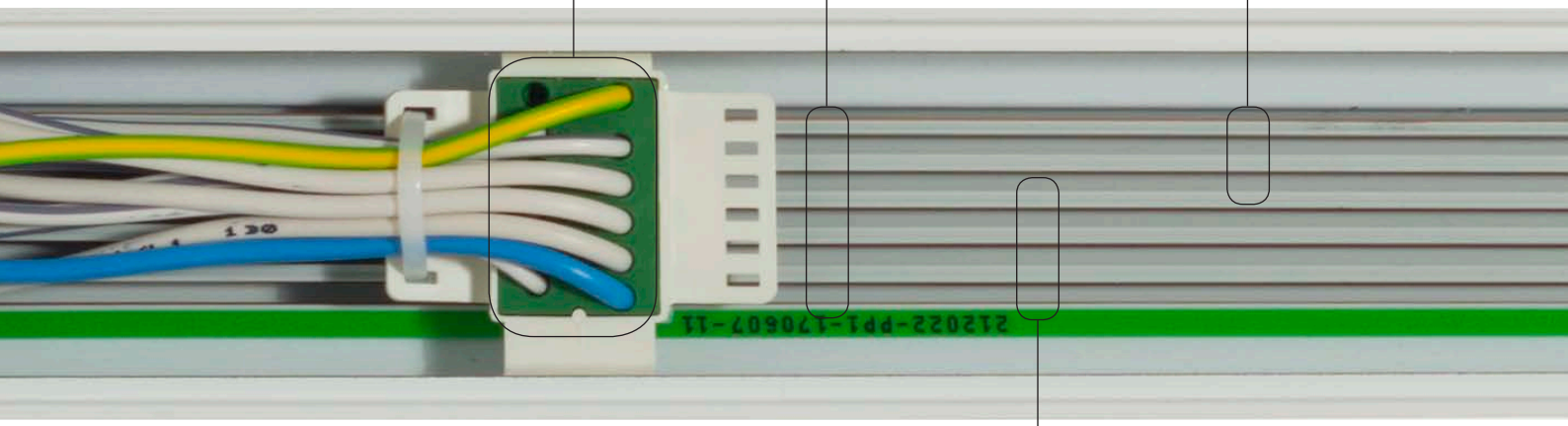
5 x 2.5mm² cores

3 Phase Supply for load balancing and ultra long run lengths

Separately switch three lighting circuits for out of hours or load shedding

2 x 1.5mm² cores

Dedicated DALI control connections, ideal with RIDI-Group Control[3] system



4 x 1.5mm² cores

Two separate dedicated wire-ways for central battery or UPS / essential supply emergency lighting

Flexible lengths

Available in five metric lengths from 1.0 to 4.5m

Extra long lengths speed up installation time

Simple to cut to length on site

Three standard finishes

White (w)

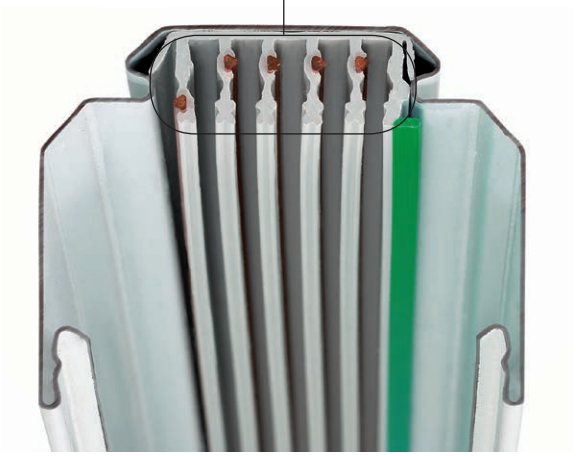
Silver (si)

Black (sw)

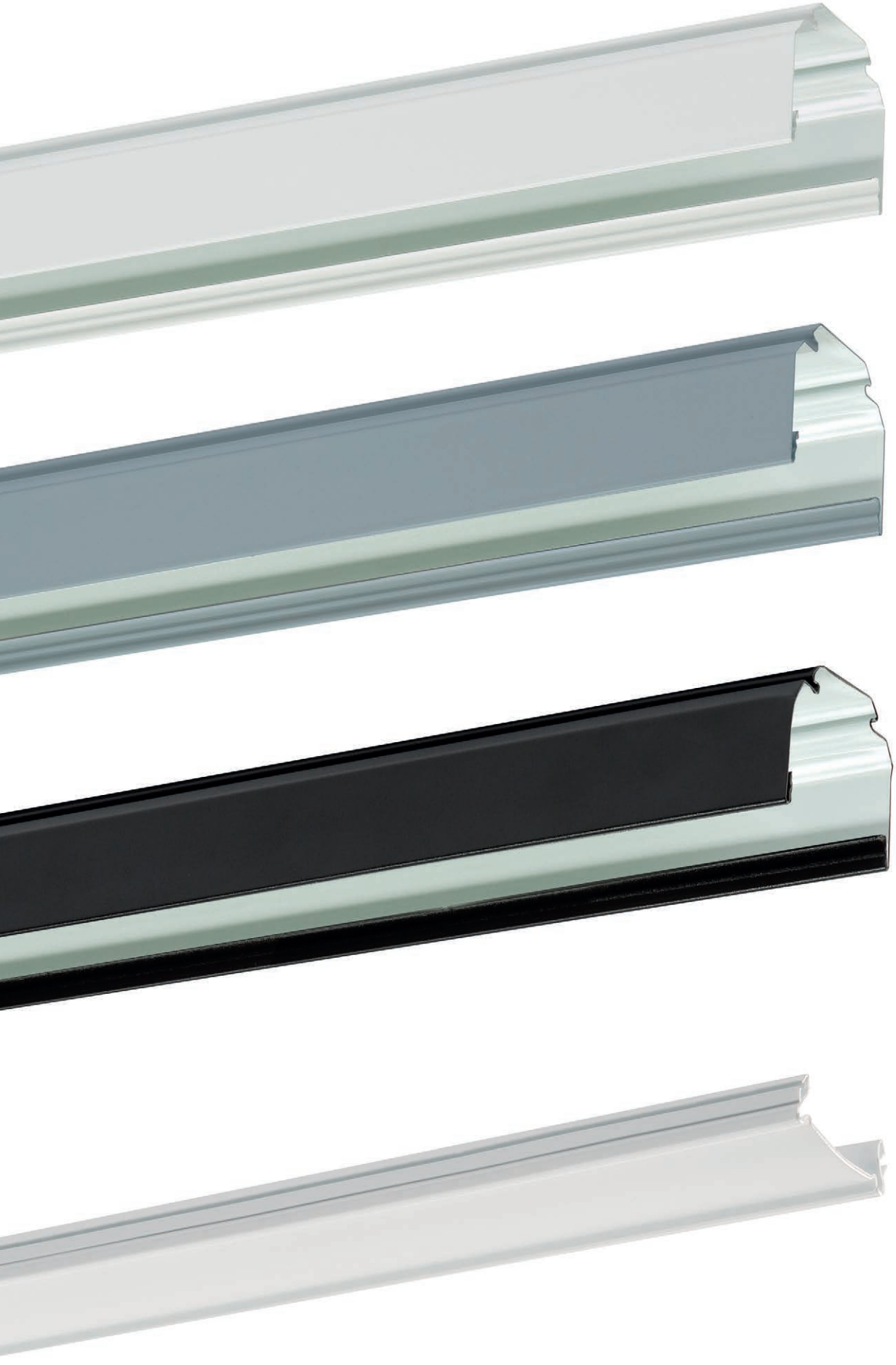
Triangular Cores

Connection is made by direct insertion of luminaire gear tray without wiring

Unique triangular cores retain cables in the carrier during multiple luminaire insertions and removals



LINIA Trunking



Ordering Information

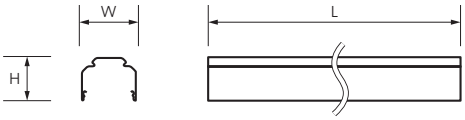
Trunking

Type	Colours	Dimensions (mm) L	W	H
VLTM 1000-11	W, SI, SW	1000	64	50
VLTM 1500-11	W, SI, SW	1500	64	50
VLTM 2000-11	W, SI, SW	2000	64	50
VLTM 3000-11	W, SI, SW	3000	64	50
VLTM 4500-11	W, SI, SW	4500	64	50

Colour Options

White (WS) Black (SW) Silver (SI)

Dimensions



Part number breakdown

VLTM 1000 11 SW

- SW — Colour | W, SI, SW
- 11 — Number of Cores | 5, 7, 11 *
- 1000 — Length (mm) | 1000, 1500, 2000, 3000, 4500
- VLTM — Range

* 7 Cores is required for DALI and 11 Cores for Emergency lighting. 11 Core trunking is strongly recommended for all projects.

End caps

Type	Colour
VLTE-W	White
VLTE-SI	Silver
VLTE-SW	Black

Blanking plates

Type	Colours	Material	IP Rating	Cuttable	Length (mm)
VLBKM 1500	W, SI, SW	Plastic	20	Yes	1500
VLBKM 4500	W, SI, SW	Plastic	20	Yes	4500
VLSBKM 1500	W, SI, SW	Plastic	54	Yes	1500
VLSBM	W, SI, SW	Aluminium	54	No	1500

Colour Options

White (WS) Black (SW) Silver (SI)

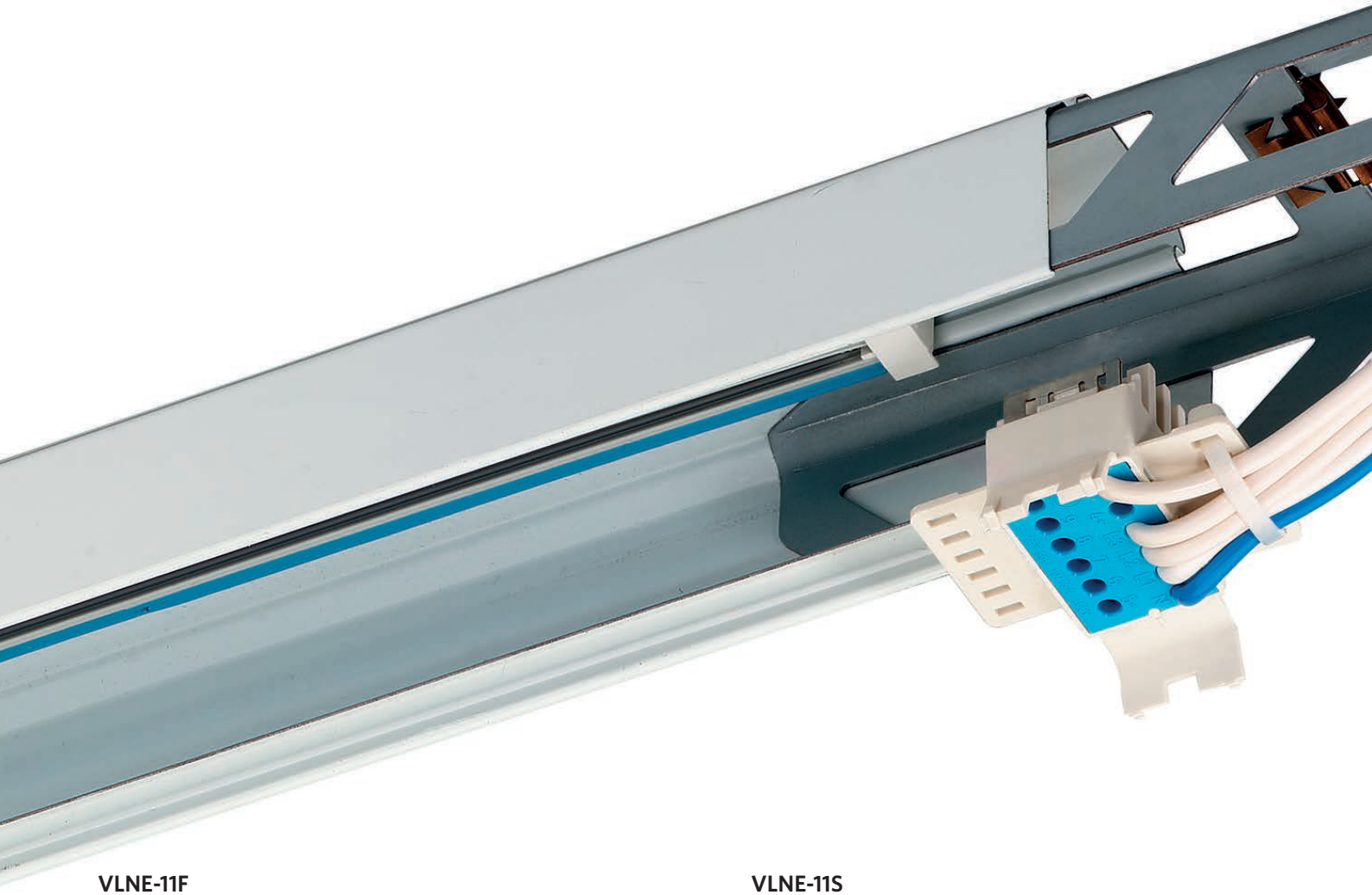
Part number breakdown

VLBKM 1500 W

- W — Colour | W, SI, SW
- 1500 — Length (mm) | 1500, 4500
- VLBKM — Range | VLBKM, VLSBKM, VLSBM

LINIA

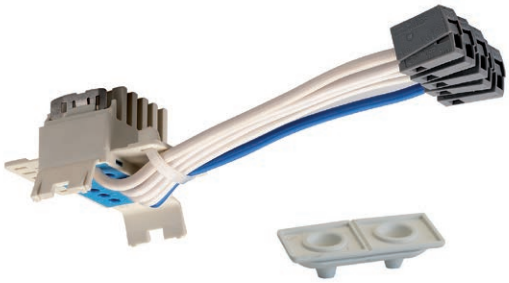
Electric Feeds and Couplers



VLNE-11F

Electrical feed unit for up to 11 cores of stranded or solid cable. Push fit cable connection to trunking with WAGO spring clamp cable connectors.

- Solid or stranded cable up to 2.5mm^2
- IP54 Cable Gland

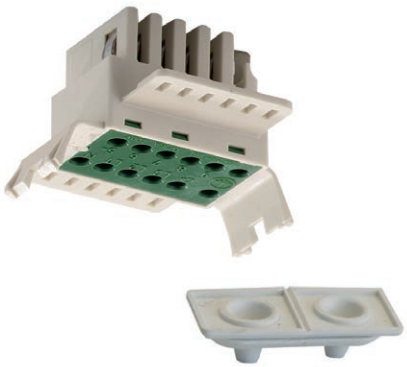


Watch installation instructions video

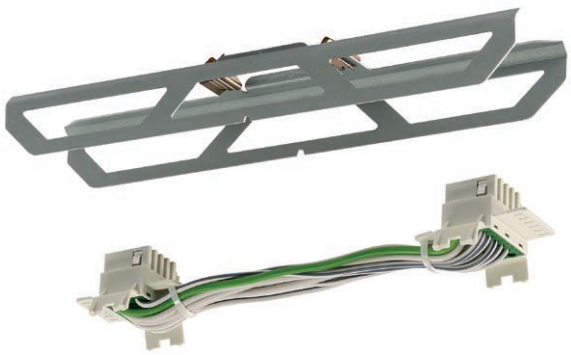
VLNE-11S

Electrical feed unit for up to 11 cores of stranded or solid cable. Push fit cable connection to trunking with push fit cable connector.

- Solid core cable 1.0 - 2.5mm^2
- IP54 Cable gland



VLTV-11
Mechanical and electrical joining of trunking runs without the need for tools. Rigid steel joiner with integral forced contacting earth connection. Electrical bridge connector joins one trunking bus-bar to the next.

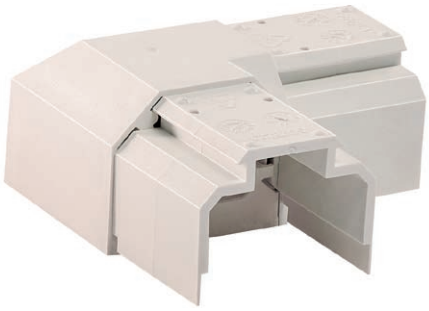


VLTVD
Optional seal sits between trunking joins and provides an ingress protection to IP54.

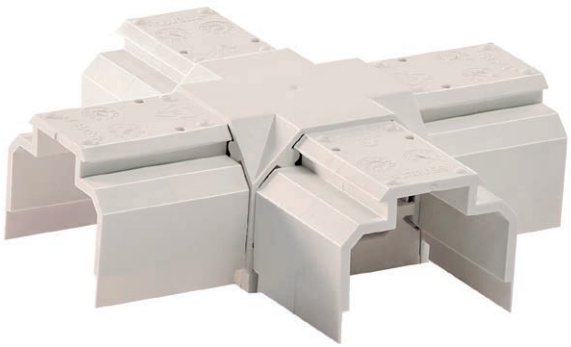
LINIA
90° Junctions

VLKN-L
90° L Shaped connector for LINIA trunking system with simple friction fit connection and pre-wired wiring loom to join two lengths of trunking.

VLKN-T
270° T Shaped connector for LINIA trunking system with simple friction fit connection and pre-wired wiring loom to join three lengths of trunking.



VLKN-X
360° X Shaped connector for LINIA trunking system with simple friction fit connection and pre-wired wiring loom to join four lengths of trunking.



LINIA Fixings

Quick fix clip on fixings for surface and pendant mounting

Wire Suspension

VLTHSD
Adjustable wire suspension with chromed ceiling fixing.

VLTHSB
Adjustable wire suspension with white domed ceiling canopy.

VLTHS
Adjustable wire suspensions with looped end.

VLTHSS
Adjustable wire suspension with chromed ceiling fixing for sloping ceilings.

Surface Fixing

VLTHD
Steel spring clamp for surface mounting to flat ceilings. Max screw dia 6mm

VLTHT
Steel spring clamp for surface mounting suspended ceiling T-Bars

Watch installation instructions video

Rod Suspension

VLTHP
Steel spring clamp for use with rod suspensions ZRP

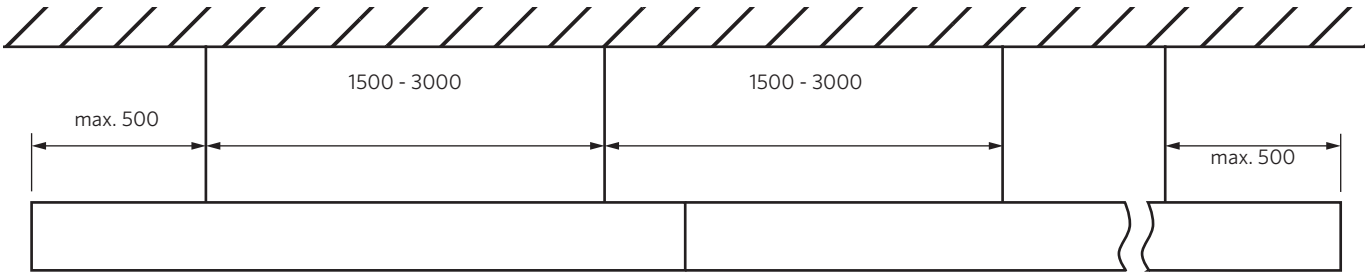
ZRP
Rod suspension with white ceiling canopy. 0.5m or 1m lengths

Chain Suspension

VLTHA
Chain suspension hanger with screw height adjustment. Max 20kg

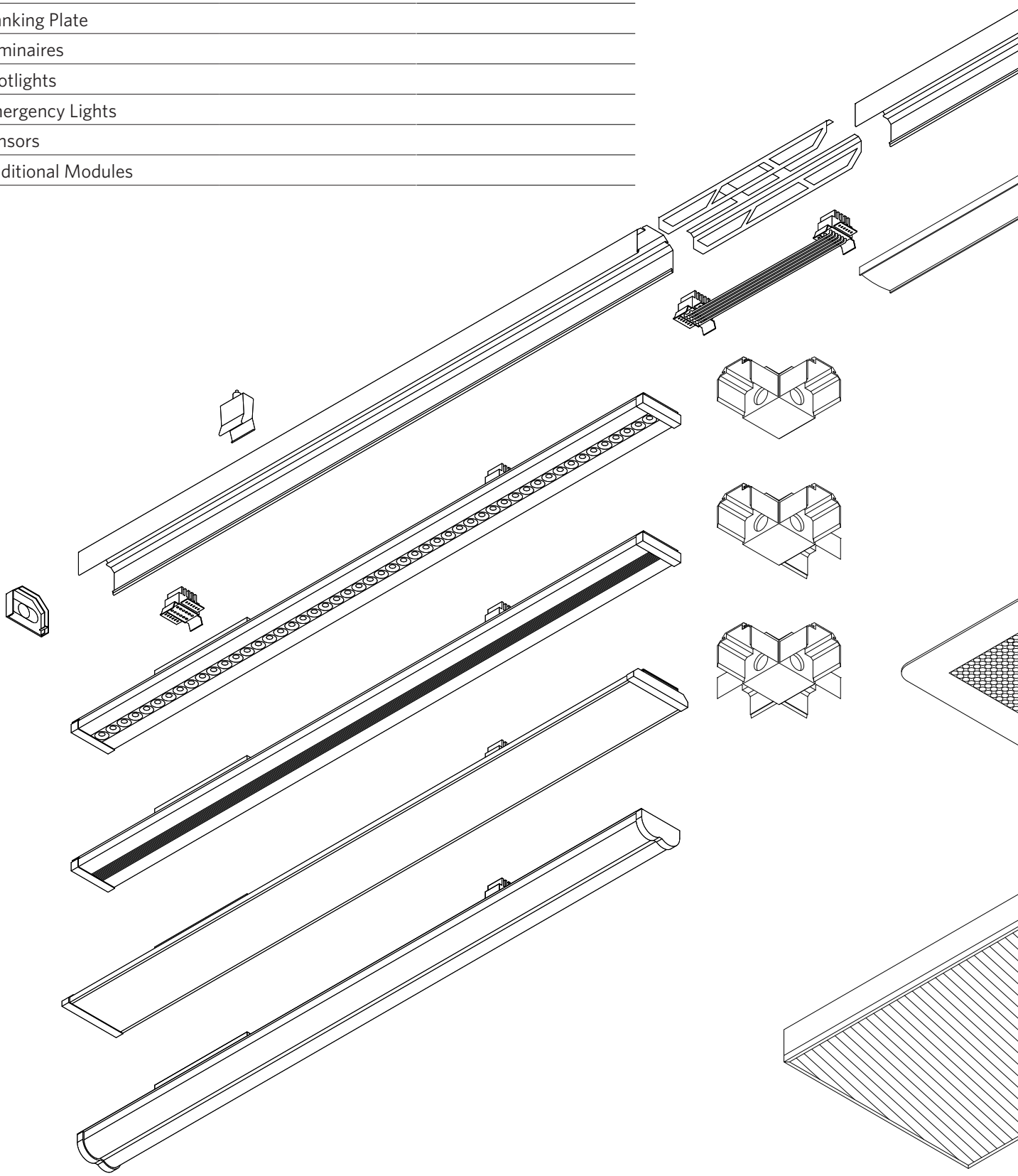
VLTHB
Chain suspension hanger with quick height adjustment. Max 20kg

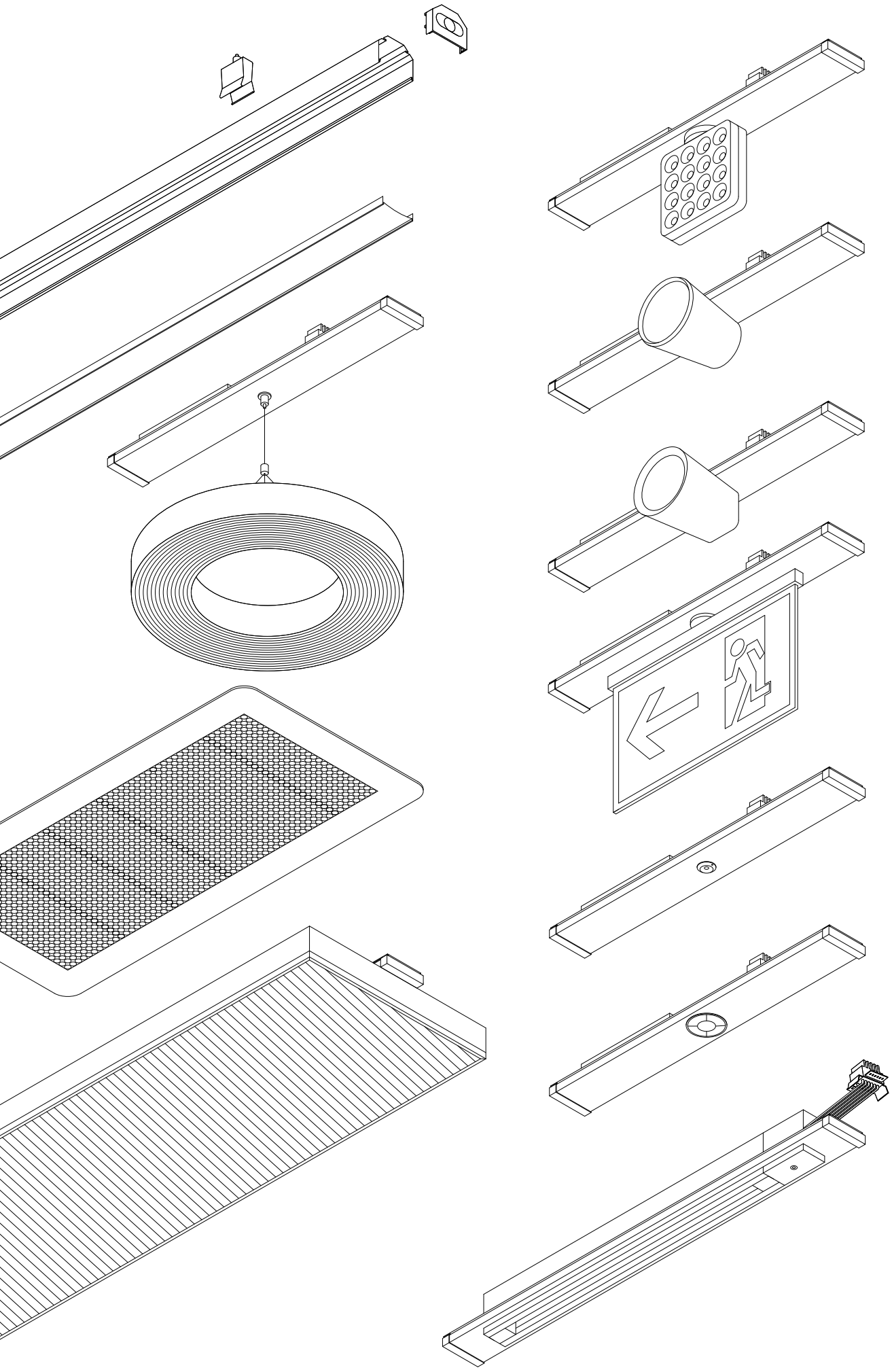
Spacings



Checklist

Type	PART	QUANTITY
Suspensions / Fixings		
Trunking		
Couplers		
Corners / Nodes		
Electrical Feeds		
End Caps		
Blanking Plate		
Luminaires		
Spotlights		
Emergency Lights		
Sensors		
Additional Modules		





LINIA Standard Luminaires

VLG-FP

Flush optic with wide range of light distributions

Lengths:
500mm
1000mm
1500mm

Outputs:
2,500 - 17,900 lm

Protection:
IP54

Finishes:
White
Silver
Black

Colour Temps:
830
840
850
865

VLPG-FP

Nano coated LEDs for increased protection against corrosive gasses

Lengths:
1000mm
1500mm

Outputs:
5,100 - 16,200 lm

Protection:
IP54

Finishes:
White
Silver
Black

Colour Temps:
840
850
865

VLG-FP-W

Diffuse light with a small uplight component.

Lengths:
1000mm
1500mm

Outputs:
4,800 - 8,200 lm

Protection:
IP40

Finishes:
White
Silver
Black

Colour Temps:
830
840
850
865

VLG-FL

Extremely efficient individually lensed LEDs with low glare

Lengths:
1000mm
1500mm

Outputs:
4,500 - 15,400 lm

Protection:
IP50
(IP54 TBA)

Finishes:
White

Colour Temps:
840
850
865

VLG-FS

Wide microprism optic for office use

Lengths:
1000mm
1500mm

Outputs:
4,700 - 15,500 lm

Protection:
IP54

Finishes:
White

Colour Temps:
830
840
850
865

VLG-LENSES

Individually lensed LEDs and dedicated uplight boards.

Lengths:
1100mm
1500mm

Outputs:
3,300 - 6,050 lm

Protection:
IP40

Finishes:
White
Black

Colour Temps:
840

Distributions: Wide, Extreme Narrow, Asymmetric, Shelf / DA, Diffuse

Page 44

Distributions: Wide, Extreme Narrow

Page 46

Distributions: Diffuse

Page 48

Distributions: Wide, Extreme Narrow

Page 52

Distributions: All Round Glare Control, Longitudinal Glare Control

Page 54

Distributions: Direct, Direct/Indirect

Page 56

VLG-FP

Low profile LED gear trays with a diverse range of light distributions from special linear lenses

Optics

(B)road Distribution

(E)xtreme Narrow Distribution

(A)symmetric Distribution

Double asymmet(R)ic Distribution

(O)pal Diffuse Distribution

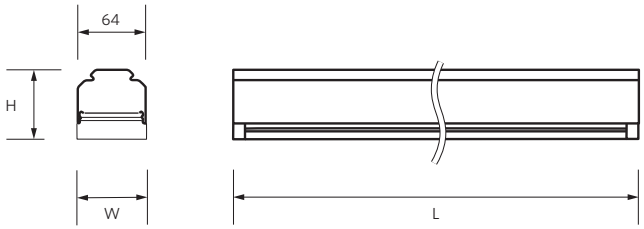
Ordering Information

Type	Power (W)	Colour temp	Nominal Output (lm)	Nominal Efficacy (lm/W)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L	W	H
VLG-FP 0501	18	830,840,850,865	2700	150	Ra≥80	≤ 3	B, E, A, R, O	500	67	64
VLG-FP 1001	28	830,840,850,865	4400	157	Ra≥80	≤ 3	B, E, A, R, O	1000	67	64
VLG-FP 1501	37	830,840,850,865	5400	145	Ra≥80	≤ 3	B, E, A, R, O	1500	67	64
VLG-FP 1501	55	830,840,850,865	8100	147	Ra≥80	≤ 3	B, E, A, R, O	1500	67	64
VLG-FP 1002	66	830,840,850,865	9800	148	Ra≥80	≤ 3	B, E, A, R, O	1000	67	64
VLG-FP 1002	81	830,840,850,865	11,600	143	Ra≥80	≤ 3	B, E, A, R, O	1000	67	64
VLG-FP 1502	100	830,840,850,865	14,700	147	Ra≥80	≤ 3	B, E, A, R, O	1500	67	64
VLG-FP 1502	121	830,840,850,865	17,400	143	Ra≥80	≤ 3	B, E, A, R, O	1500	67	64

Standard Paint Finishes

White (WS) Black (SW) Silver (SI)

Dimensions



Driver options

ND: Non dimming LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

DA: DALI dimmable LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

Emergency Lighting Options

ED3: Gear tray with emergency lighting element and maintenance-free NiMH battery for 3 hours maintained switching. With a 2-lamp gear tray, in emergency operation
1 lamp is functional. Output in emergency operation 3 W with appr. 380 lm. (Installation over the trunking joint is not possible). Self test function as standard.

EMDALI: Gear tray with emergency lighting element and maintenance-free NiMH battery for 3 hours maintained switching. With a 2-lamp gear tray, in emergency operation 1 lamp is functional. Output in emergency operation 3 W with appr. 380 lm. (Installation over the trunking joint is not possible) For use with DALI emergency test systems.

Z: Emergency lighting gear tray for central replacement power supply. 1-lamp: 1 lamp for replacement power supply and 1 lamp for standard power supply.

Z-UR: Emergency lighting gear tray with switchover relay for central replacement power supply. 1-lamp: 1 lamp for standard and replacement power supply (maintained mode). 2-lamp: 1 lamp for standard and replacement power supply (maintained mode) and 1 lamp for standard power supply.

Part number breakdown

VLG-FP 150 1 ND WS 840 B 0450 EMDALI

- Emergency Lighting Option | ED3, EMDALI, Z, Z-UR
- Lumen Output / 10
- Optic | B, E, A, R, O
- Colour Temp | 830, 840, 850, 865
- Body Colour | WS, SI, SW
- Driver type | ND, DA
- Number of LED Boards 1, 2
- Length (cm)
- Range

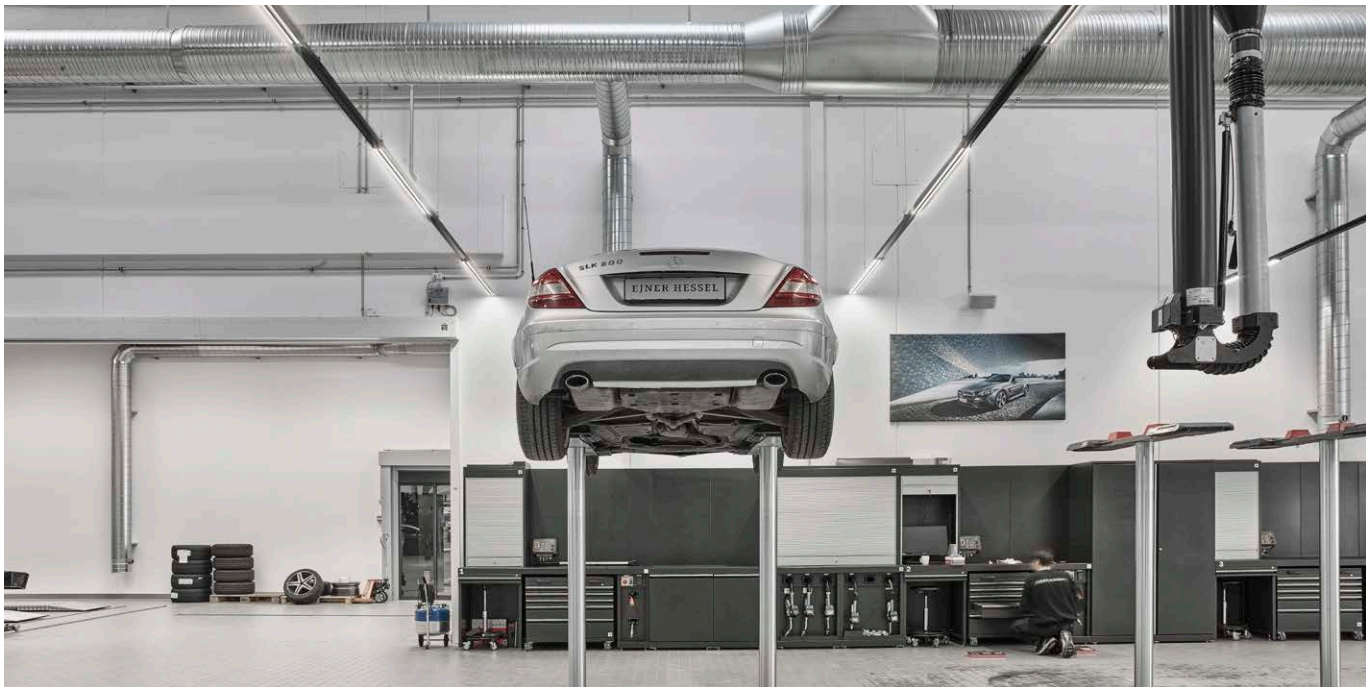
VLPG-FP

LEDs are Nano-Coated for extra protection against corrosive gasses.

Optics

(B)road Distribution

(E)xtreme Narrow Distribution



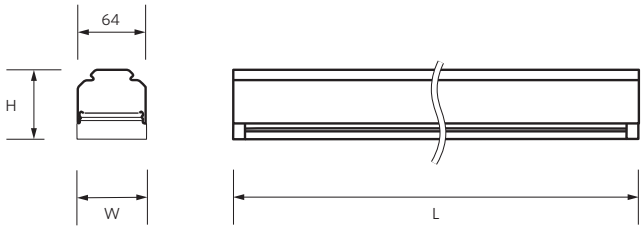
Ordering Information

Type	Power (W)	Colour temp	Nominal Output (lm)	Nominal Efficacy (lm/W)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L	W	H
VLPG-FP 1001	32	840,850,865	5130	160	Ra≥80	≤ 3	B, E	1000	67	64
VLPG-FP 1501	47	840,850,865	7758	164	Ra≥80	≤ 3	B, E	1500	67	64
VLPG-FP 1002	67	840,850,865	10,812	161	Ra≥80	≤ 3	B, E	1000	67	64
VLPG-FP 1502	100	840,850,865	16,243	164	Ra≥80	≤ 3	B, E	1500	67	64

Standard Paint Finishes

White (WS) Black (SW) Silver (SI)

Dimensions



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Part number breakdown

VLPG-FP 150 1 ND WS 840 B 0450 EMDALI

- Emergency Lighting Option | ED3, EMDALI, Z, Z-UR
- Lumen Output / 10
- Optic | B, E, A, R, O
- Colour Temp | 830, 840, 850, 865
- Body Colour | WS, SI, SW
- Driver type | ND, DA
- Number of LED Boards 1, 2
- Length (cm)
- Range

VLG-FP W

Wide distribution drop opal diffuser with a proportion of uplight.

Optics

(W)ide opal
Diffuser

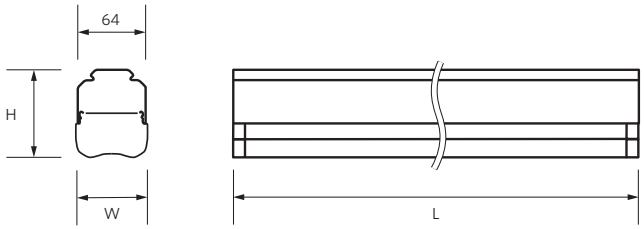
Ordering Information

Type	Power (W)	Colour temp	Nominal Output (lm)	Nominal Efficacy (lm/W)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L	W	H
VLG-FP-W 1001	37	830,840,850,865	2700	144	Ra≥80	≤ 3	W	1000	67	82
VLG-FP-W 1501	55	830,840,850,865	4400	143	Ra≥80	≤ 3	W	1500	67	82

Standard Paint Finishes

White (WS) Black (SW) Silver (SI)

Dimensions



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Part number breakdown

VLG-FP-W 150 1 ND WS 840 W 0750 EMDALI

- Emergency Lighting Option | ED3, EMDALI, Z, Z-UR
- Lumen Output / 10
- Optic | W
- Colour Temp | 830, 840, 850, 865
- Body Colour | WS, SI, SW
- Driver type | ND, DA
- Number of LED Boards 1, 2
- Length (cm)
- Range

Atelier Tuerke
VLG-FP-W

VLG-FL

Individually lensed LEDs for extreme efficacy and glare control.

Optics

(B)road Distribution

(E)xtreme Narrow Distribution

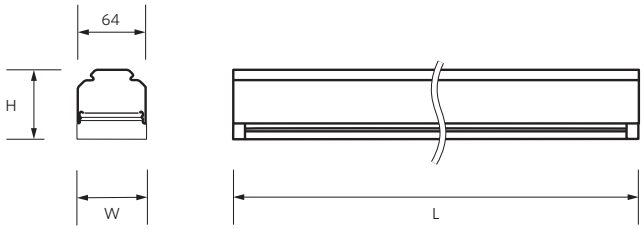
Ordering Information

Type	Power (W)	Colour temp	Nominal Output (lm)	Nominal Efficacy (lm/W)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L	W	H
VLG-FL 1501	26	840,850,865	4500	173	Ra≥80	≤ 3	B, E	1500	67	66
VLG-FL 1001	33	840,850,865	5400	163	Ra≥80	≤ 3	B, E	1000	67	66
VLG-FL 1501	49	840,850,865	8100	165	Ra≥80	≤ 3	B, E	1500	67	66
VLG-FL 1002	59	840,850,865	9900	167	Ra≥80	≤ 3	B, E	1000	67	66
VLG-FL 1502	88	840,850,865	14,800	168	Ra≥80	≤ 3	B, E	1500	67	66

Standard Paint Finishes

White (WS) Black (SW) Silver (SI)

Dimensions



Driver options

ND: Non dimming LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

DA: DALI dimmable LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

Emergency Lighting Options

ED3: Gear tray with emergency lighting element and maintenance-free NiMH battery for 3 hours maintained switching. With a 2-lamp gear tray, in emergency operation
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Part number breakdown

VLG-FL 100 2 DA WS 840 B 0990 ED3

- ED3 — Emergency Lighting Option | ED3, EMDALI, Z, Z-UR
- 0990 — Lumen Output / 10
- B — Optic | B, E, A, R, O
- 840 — Colour Temp | 840, 850, 865
- WS — Body Colour | WS, SI, SW
- DA — Driver type | ND, DA
- 2 — Number of LED Boards 1, 2
- 100 — Length (cm)
- VLG-FL — Range

VLG-FS

Low glare optics for office use

Optics

All round glare control (MPS)

Longitudinal glare reduction (BQP)

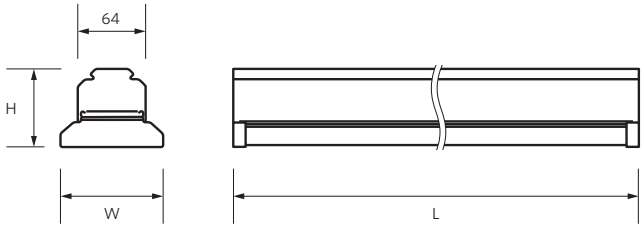
Ordering Information

Type	Power (W)	Colour temp	Nominal Output (lm)	Nominal Efficacy (lm/W)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L	W	H (including trunking)
VLG-FS 1001	37	830,840,850,865	5000	137	Ra≥80	≤ 3	MP	1000	97	74
VLG-FS 1501	55	830,840,850,865	7500	136	Ra≥80	≤ 3	MP	1500	97	74
VLG-FS 1001	37	830,840,850,865	5000	134	Ra≥80	≤ 3	BQP	1000	97	74
VLG-FS 1501	62	830,840,850,865	7400	133	Ra≥80	≤ 3	BQP	1500	97	74

Standard Paint Finishes

White (WS) Black (SW) Silver (SI)

Dimensions



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Part number breakdown

VLG-FS 150 1 ND WS 840 MPS 0500 EMDALI

- Emergency Lighting Option | ED3, EMDALI, Z, Z-UR
- Lumen Output / 10
- Optic | MPS, BQP
- Colour Temp | 830, 840, 850, 865
- Body Colour | WS, SI, SW
- Driver type | ND, DA
- Number of LED Boards 1, 2
- Length (cm)
- Range

VLG-LENSES

Lensed LEDs for efficacy and glare control
with direct/indirect version

Optics

Broad beam
(D)irect only

Broad beam
(D)irect (I)ndirect

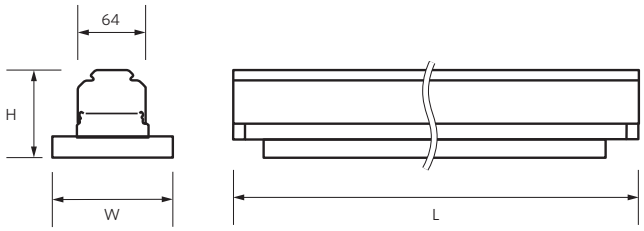
Ordering Information

Type	Power (W)	Colour temp	Nominal Output (lm)	Nominal Efficacy (lm/W)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L	W	H (including trunking)
VLG-LENSES-D 1100	21	840	3322	158	Ra≥80	≤ 3	MP	1100	113	82
VLG-LENSES-D 1500	32	840	4895	152	Ra≥80	≤ 3	MP	1500	113	82
VLG-LENSES-DI 1100	30	840	5000	166	Ra≥80	≤ 3	BQP	1100	113	82
VLG-LENSES-DI 1500	43	840	6050	140	Ra≥80	≤ 3	BQP	1500	113	82

Standard Paint Finishes

White (WS) Black (SW)

Dimensions



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Part number breakdown

VLG-LENSES D 1100 ND WS 840 ED3

- ED3 — Emergency Lighting Option | ED3, EMDALI, Z, Z-UR
- 840 — Colour Temp | 830, 840, 850, 865
- WS — Body Colour | WS, SW
- ND — Driver type | ND, DA
- 1100 — Length (mm)
- D — Distribution | D, DI
- VLG-LENSES — Range

Sport Pesa, Liverpool
VLG-LENSES

Special Project Luminaires for LINIA

Spectral®

Stora Page 62

Iris Page 64

Finy Page 68

Plafou Page 70

Jep Page 72

Dome Page 74

Individual luminaires from the RIDI and Spectral ranges with direct fix to the bus bar trunking. For use in offices, industry, education and more

LINIA trunking provides the mounting and power while performance led stylish luminaires compliment the interior space.

RIDI

HERO Page 76

ROBUST Page 78

SHL Page 80

LF Page 82

VENICE Page 84

Stora for LINIA

Optics

Spectral®

All round glare control (MPS)

Diffuse wide distribution (OS)

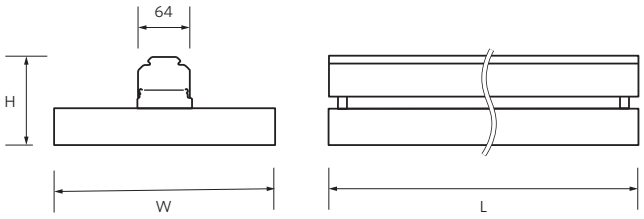
Ordering Information

Type	Power (W)	Colour temp	Board Output (lm)	Nominal Efficacy (lm/W)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L	W	H (including trunking)
VLG-STORA-P	32	830,840	5200	118	Ra≥80	≤ 3	MPS	1070	330	132
VLG-STORA-P	42	830,840	7800	118	Ra≥80	≤ 3	MPS	1565	330	132
VLG-STORA-P	32	830,840	5200	116	Ra≥80	≤ 3	OS	1070	330	132
VLG-STORA-P	42	830,840	7800	116	Ra≥80	≤ 3	OS	1565	330	132
VLG-STORA-Q	32	830,840	5200	118	Ra≥80	≤ 3	MPS	580	580	132
VLG-STORA-Q	32	830,840	5200	116	Ra≥80	≤ 3	OS	580	580	132

Standard Paint Finishes

White (WS) Black (SW) Silver (SI)

Dimensions



Driver options

ND: Non dimming LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

DA: DALI dimmable LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

Emergency Lighting Options

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Part number breakdown

VLG-STORA P LED 5200 840 OS DA ED3 SW

- SW — Body Colour | WS, SW, SI
- ED3 — Emergency Lighting Option | ED3, EMDALI, Z, Z-UR
- DA — Driver type | ND, DA
- OS — Optic | MPS, OS
- 840 — Colour Temperature | 830, 840
- 5200 — Board Lumen Output
- LED — Light Source | LED
- P — Shape | P (rectangular), Q (Square)
- VLG-STORA — Range

Iris for LINIA

Spectral®

Low Glare
direct/indirect (PS)

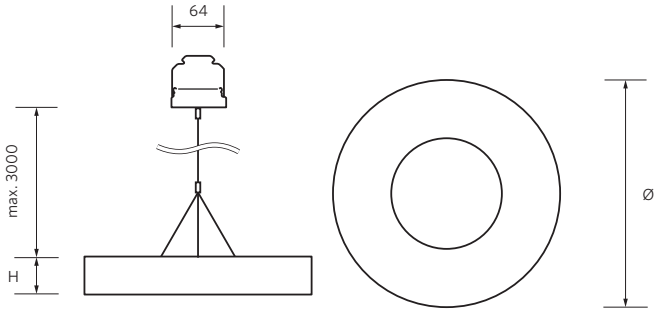
Ordering Information

Type	Power (W)	Colour temp	Board Output (lm)	Nominal Efficacy (lm/W)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) Ø	H
VLG-IRIS-PS	26	830,840, TW	5,200	147	Ra≥85	≤ 3	PS	365	60
VLG-IRIS-PS-L	TBA	830,840, TW	6,800	TBA	Ra≥85	≤ 3	PS	600	100
VLG-IRIS-PS-XL	TBA	830,840, TW	12,000	TBA	Ra≥85	≤ 3	PS	900	100

Body

Transparent (T)

Dimensions



Driver options

ND: Non dimming LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

DA: DALI dimmable LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

Emergency Lighting Options

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Part number breakdown

VLG-IRIS L LED 5200 840 PS DA ED3 T

- T — Transparent Housing | T
- ED3 — Emergency Lighting Option | ED3, EMDALI, Z, Z-UR
- DA — Driver type | ND, DA, DT8 (DALI type 8)
- PS — Optic | MPS
- 840 — Colour Temperature | 830, 840, TW (tuneable white)
- 5200 — Board Lumen Output
- LED — Light Source | LED
- L — Size | " ", L, XL
- VLG-IRIS — Range

No1 Finsbury Avenue, London
Finy by Spectral

Finy for LINIA

Optics

Spectral®

All round glare control (PS)

Diffuse wide distribution (OS)

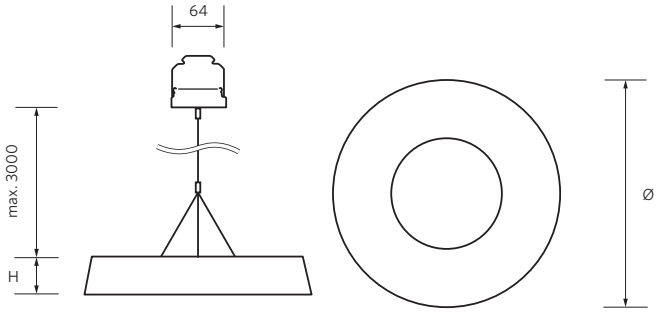
Ordering Information

Type	Power (W)	Colour temp	Board Output (lm)	Nominal Efficacy (lm/W)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) Ø	H
VLG-FINY-PS	26	830,840, TW	5200	TBA	Ra≥85	≤ 3	PS	365	60

Body Finish

Specular (SG)

Dimensions



Driver options

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Emergency Lighting Options

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Part number breakdown

VLG-FINY LED 5200 TW PS DT8 ED3 SG

- SG: Specular Gloss Housing | SG
- ED3: Emergency Lighting Option | ED3, EMDALI, Z, Z-UR
- DT8: Driver type | ND, DA, DT8 (DALI type 8)
- PS: Optic | PS, OS
- TW: Colour Temperature | 830, 840, TW (tuneable white)
- 5200: Board Lumen Output
- LED: Light Source | LED
- VLG-FINY: Range

Plafou for LINIA

Direct indirect luminaire

Spectral®

Low Glare
direct/indirect (R360)

Low Glare
direct/indirect (LED)

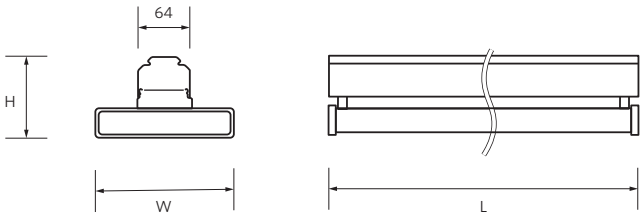
Ordering Information

Type	Power (W)	Colour temp	Source Output (lm)	Nominal Efficacy (lm/W)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L	W	H (including trunking)
VLG-PLAFOU-LED	43	830,840	5900	120	Ra≥80	≤ 3	MPS	1191	188	112
VLG-STORA-R360	????	830,840	????	????	Ra≥80	≤ 3	MPS	1191	188	112

Body Finish

Transparent (MPL)

Dimensions



Driver options

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Part number breakdown

VLG-STORA R360 5900 840 W DA MPL ED3

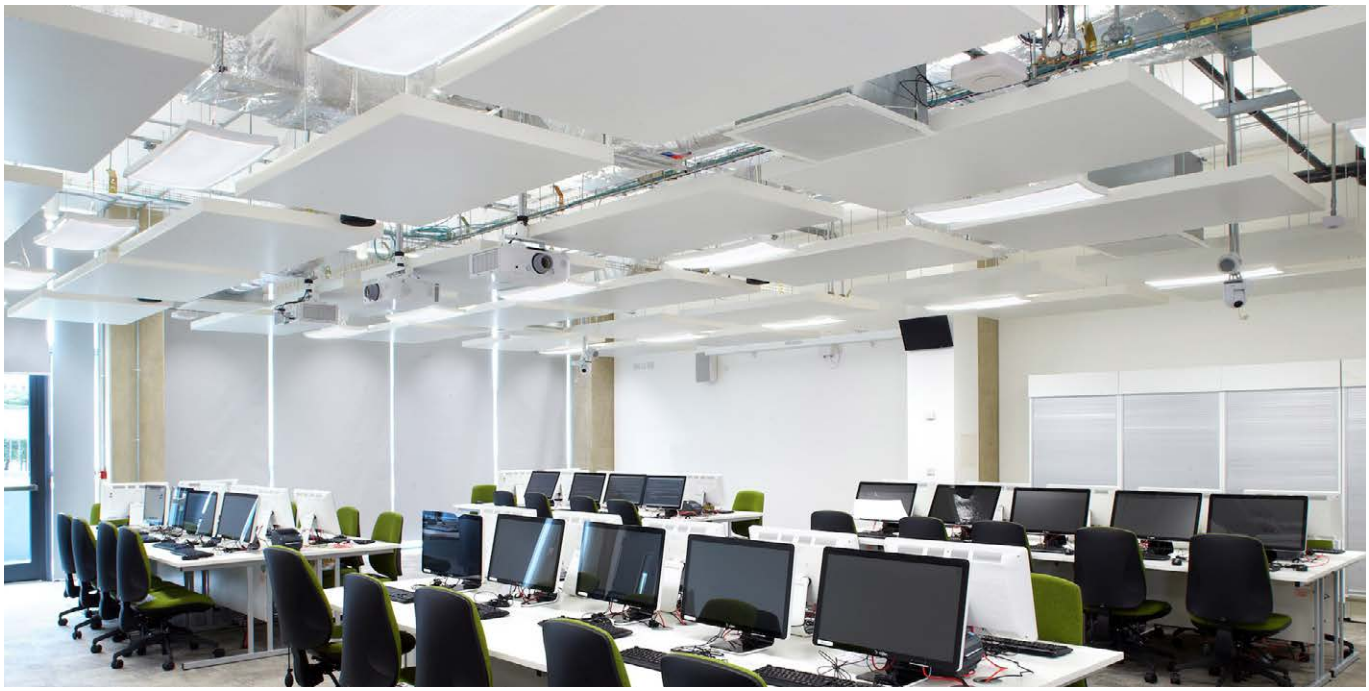
Emergency Lighting Option | ED3, EMDALI, Z, Z-UR
Transparent linear Prism body | MPL
Driver type | ND, DA
End cap colour | W, SI
Colour Temperature | 830, 840
Source Lumen Output
Source | LED board, R360
Range

Jep for LINIA

Spectral®

Optics

All round glare control (MPS)



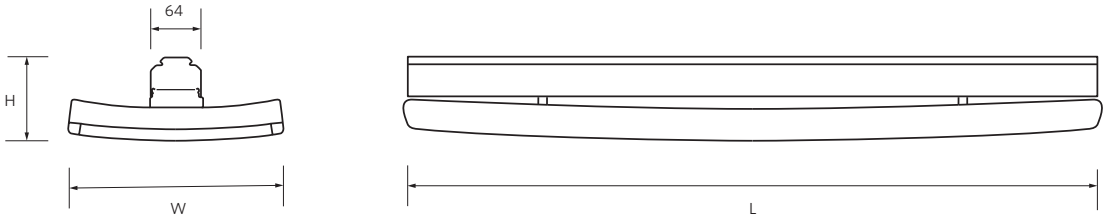
Ordering Information

Type	Power (W)	Colour temp	Board Output (lm)	Nominal Efficacy (lm/W)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L	W	H (including trunking)
VLG-JEP-P	32	830,840	5200	118	Ra≥80	≤ 3	MPS	1070	330	100
VLG-JEP-Q	42	830,840	7800	118	Ra≥80	≤ 3	MPS	1565	330	100

Standard Paint Finishes

White (W) Silver (SI) Bronze (CH)

Dimensions



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Part number breakdown

VLG-JEP P LED 5000 840 CH DA ED3

- ED3 — Emergency Lighting Option | ED3, EMDALI, Z, Z-UR
- DA — Driver type | ND, DA
- CH — Body Colour | W, SI, CH
- 840 — Colour Temperature | 830, 840
- 5000 — Board Lumen Output
- LED — Light Source | LED
- P — Shape | P (rectangular), Q (Square)
- VLG-JEP — Range

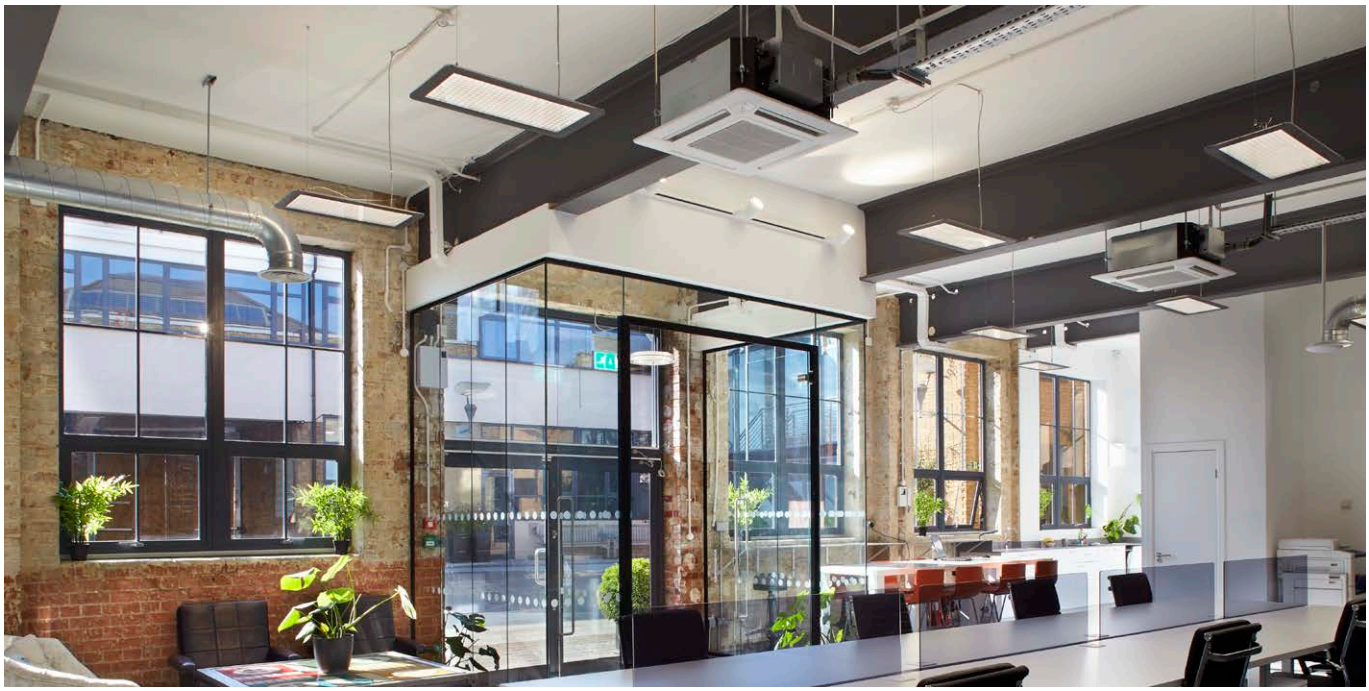
Dome for LINIA

rom special linear lenses

Spectral®

Optics

Low Glare
(MPS)



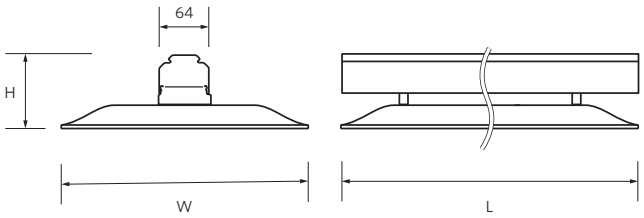
Ordering Information

Type	Power (W)	Colour temp	Source Output (lm)	Nominal Efficacy (lm/W)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L	W	H (including trunking)
VLG-DOME	34	830,840	6000	132	Ra≥80	≤ 3	MPS	680	350	99

Body Finish

Textured Black

Dimensions



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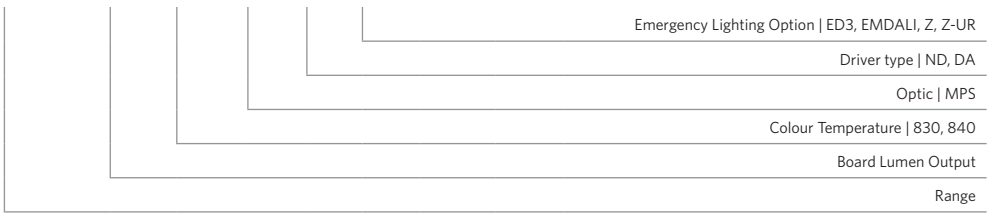
Part number breakdown

VLG-DOME 6000 840 MPS DA ED3



HERO for LINIA

High and ultra high output

Optics

(S)pot Distribution

(M)edium Distribution

(S)uper (F)lood Distribution

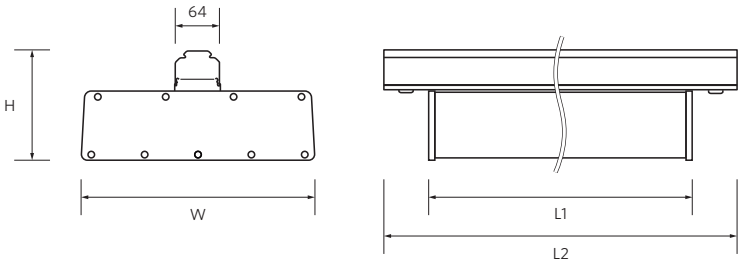
Ordering Information

Type	Power (W)	Colour temp	Board Output (lm)	Nominal Efficacy (lm/W)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L1	L2	W	H
VLG-HERO	122	840, 865	15,000	116	Ra≥80	≤ 3	S, M, SF	337	1186	372	170
VLG-HERO	244	840, 865	30,000	123	Ra≥80	≤ 3	MPS	627	1186	372	170
VLG-HERO	488	840, 865	60,000	116	Ra≥80	≤ 3	OS	1197	1486	372	170

Standard Paint Finishes

Similar to RAL 9016

Dimensions



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DA: DALI dimmable LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

Emergency Lighting Options

ED3: Gear tray with emergency lighting element and maintenance-free NiMH battery for 3 hours maintained switching. With a 2-lamp gear tray, in emergency operation
1 lamp is functional. Output in emergency operation 3 W with appr. 380 lm. (Installation over the trunking joint is not possible). Self test function as standard.

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Part number breakdown

VLG-HERO 6000 840 S DA Z

- Emergency Lighting Option | ED3, EMDALI, Z, Z-UR
- Driver type | ND, DA
- Optic | S, M, SF
- Colour Temperature | 840, 865
- Board Lumen Output
- Range

ROBUST for LINIA

Optics

(B)road Distribution

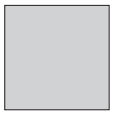
(T)ight Distribution

(OV)al Distribution

Ordering Information

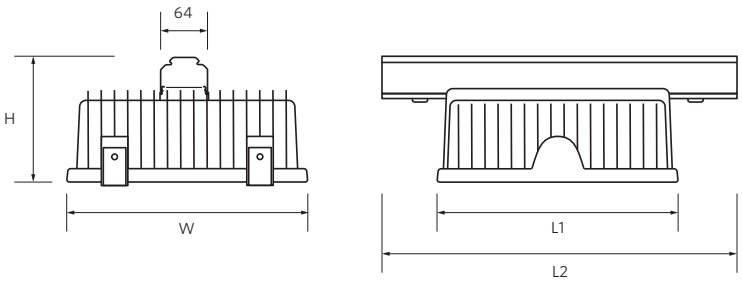
Type	Power (W)	Colour temp	Board Output (lm)	Nominal Efficacy (lm/W)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L1	L2	W	H
VLG-ROBUST	113	840, 865	15,000	138	Ra≥80	≤ 3	B, T, OV	425	1186	414	180
VLG-ROBUST	173	840, 865	23,000	137	Ra≥80	≤ 3	B, T, OV	425	1186	414	180

Standard Paint Finishes



Grey

Dimensions



Driver options

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DA: DALI dimmable LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

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Part number breakdown

VLG-ROBUST 15000 840 B DA Z

- Emergency Lighting Option | ED3, EMDALI, Z, Z-UR
- Driver type | ND, DA
- Optic | S, M, SF
- Colour Temperature | 840, 865
- Board Lumen Output
- Range

SHL for LINIA

Optics

Prismatic
(PSB)

White Louvre
(W)

Parabolic Louvre
(SM)

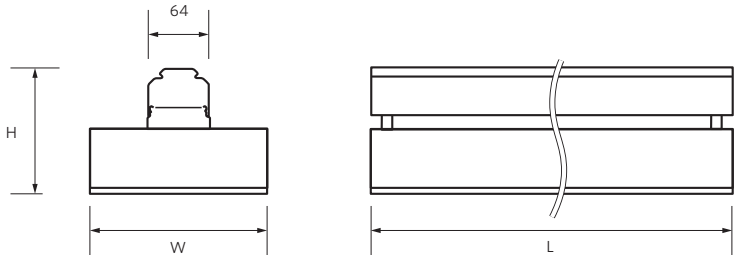
Ordering Information

Type	Power (W)	Colour temp	Nominal Output (lm)	Nominal Efficacy (lm/W)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L1	W	H
VLG-SHL-L 1xx	65	840	9,350	119	Ra≥80	≤ 3	PSB, W, OV	1500	200	160
VLG-SHL-L 2xx	130	840	18,700	119	Ra≥80	≤ 3	B, T, OV	1500	248	160

Standard Paint Finishes

Similar to
RAL 9016

Dimensions



Driver options

ND: Non dimming LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

DA: DALI dimmable LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

Emergency Lighting Options

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Part number breakdown

VLG-SHL-L 180 9600 840 PSB DA ED3

Emergency Lighting Option | ED3, EMDALI, Z, Z-UR
Driver type | ND, DA
Optic | PSB, W, SM
Colour Temperature | 840
L-Tube Lumen Output
Equivalent T5 HO Output | 180, 280
Range

LF for LINIA

Optics

Parabolic Louvre
(SM)

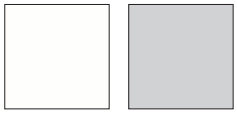
Asymmetric
(AS)

Opal
(O)

Ordering Information

Type	Power (W)	Colour temp	Nominal Output (lm)	Nominal Efficacy (lm/W)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L	W	H
VLG-LF-T16-S-R1x055	13	830, 840, 865	1,700	-	Ra≥80	≤ 3	SM, O, AS	598	85	136
VLG-LF-T16-S-R1x115	19	830, 840, 865	3,000	-	Ra≥80	≤ 3	SM, O, AS	1198	85	136
VLG-LF-T16-S-R1x145	27	830, 840, 865	4,500	-	Ra≥80	≤ 3	SM, O, AS	1498	85	136

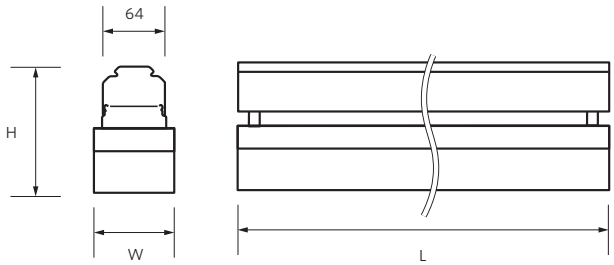
Standard Paint Finishes



Similar to RAL 9016

Silver

Dimensions



Driver options

ND: Non dimming LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

DA: DALI dimmable LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

Light source options

NB: VLG-LF-T16-S-R1x uses RIDI Group R-Tube replaceable LED light sources. See www.ridi.co.uk for details of the available range.

Emergency Lighting Options

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Part number breakdown

VLG-LF-W-S-R1x 115 15 ND DA ED3

Emergency Lighting Option | ED3, EMDALI, Z, Z-UR
Optic | SM, O, AS
Driver type | ND, DA
Max R-Tube Power | 15, 30, 45
R-Tube length (cm) | 055, 115, 145
Range

VENICE for LINIA

Optics

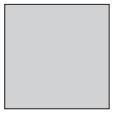
All round glare control (MPS)

Opal (OS)

Ordering Information

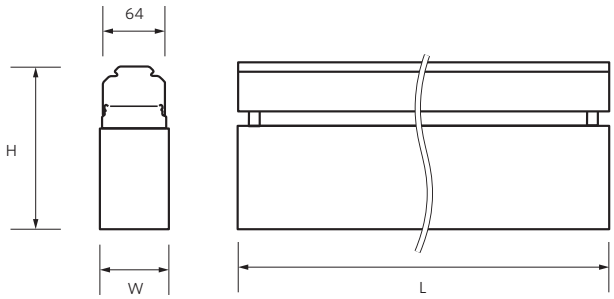
Type	Power (W)	Colour temp	Nominal Output (lm)	Nominal Efficacy (lm/W)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L	W	H
VLG-VENICE-A-F1x54	25	830, 840	2,812	112	Ra≥80	≤ 3	MPS, OS	1188	67	162
VLG-VENICE-A-F1x49	27	830, 840	3,515	113	Ra≥80	≤ 3	MPS, OS	1498	67	162

Standard Finish



Aluminium (NE)

Dimensions



Driver options

ND: Non dimming LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

DA: DALI dimmable LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

Emergency Lighting Options

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Part number breakdown

VLG-VENICE-A-F 1X 54 ND NE 4000 MPS 840 EMDALI

- Emergency Lighting Option | ED3, EMDALI, Z, Z-UR
- Colour Temperature | 830, 840
- Optic | MPS, OS
- LED Board Output | 4000, 5000
- Natural Aluminium Finish | NE
- Driver type | ND, DA
- T5 HO Equivalent Length | 54, 49
- Range

Spotlights for LINIA

Spotlights mounted in dedicated LINIA plug in modules are simple to install and can be switched via one of the three switch lines or controlled via DALI.

The VLM-STS module integrates standard three circuit lighting track, allowing the connection of RIDI or third party spot lights with track connectors.

CIRQUA for LINIA

Optics

(S)pot
Distribution

(M)edium
Distribution

(F)lood
Distribution

(SF)
Super flood
Distribution

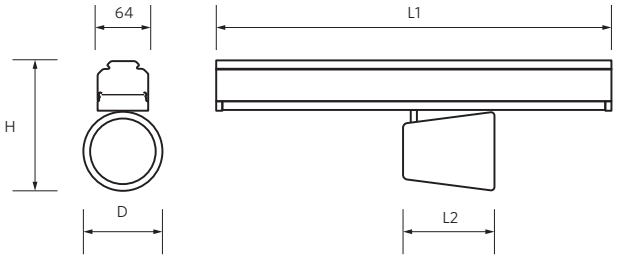
Ordering Information

Type	Colour temp	Nominal Output (lm)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L1	L2	D	H
VLMF-CIRQUA-L 1x	830, 840, 930	2,600 - 3,800	Up-to Ra≥90	≤ 3	S, M, F, SF	500	116	100	164
VLMF-CIRQUA-L 2x	830, 840, 930	5,200 - 6,400	Up-to Ra≥90	≤ 3	S, M, F, SF	500	116	100	164

Standard Finishes

White | Black (SW)

Dimensions



Driver options

ND: Non dimming LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

DA: DALI dimmable LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

Part number breakdown

VLMF-CIRQUA-L 1x 2600-930 SF DA SW

- Paint Finish | W, SW
- Driver type | ND, DA
- Beam angle | S, M, F, SF
- Output+Colour Temperature each head | 2600-930, 3000-830, 3100-930 3200-840, 3600-830, 3800-840
- Number of spot heads | 1x, 2x
- Range

KARO for LINIA

Optics

(S)pot Distribution

(M)edium Distribution

(F)lood Distribution

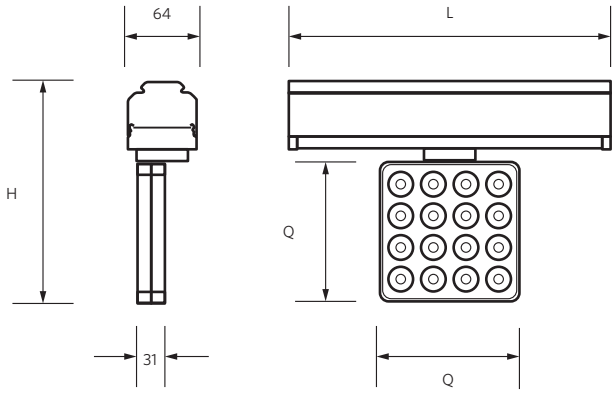
Ordering Information

Type	Colour temp	Nominal Output (lm)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L1	Q	H
VLMF-KARO-S (3x3)	840	2,500	Ra≥80	≤ 3	S, M, F	300	100	175
VLMF-KARO-L (4x4)	840	3,500	Ra≥80	≤ 3	S, M, F	300	130	205

Standard Finishes

White (W) | Black (SW) | Silver (SI)

Dimensions



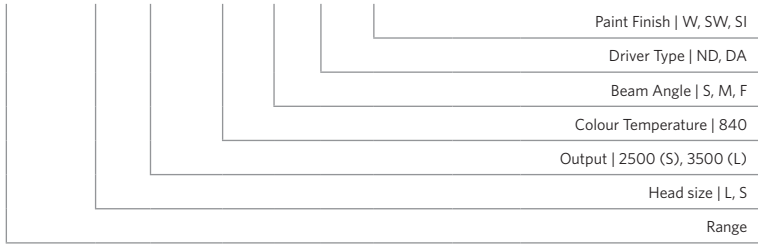
Driver options

ND: Non dimming LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

DA: DALI dimmable LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

Part number breakdown

VLMF-KARO L 3500 840 F DA SW



LUPO for LINIA

Optics

(S)pot Distribution

(M)edium Distribution

(F)lood Distribution

(SF) Super flood Distribution

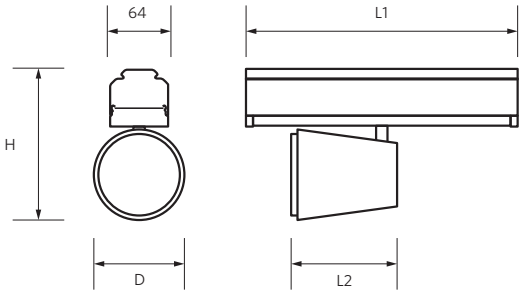
Ordering Information

Type	Colour temp	Nominal Output (lm)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) L1	L2	D	H
VLMF-LUPO	830, 840	3000 - 3800	Ra≥80	≤ 3	S, M, F, SF	300	110	100	170

Standard Finishes

White (W) | Black (SW) | Silver (SI)

Dimensions



Driver options

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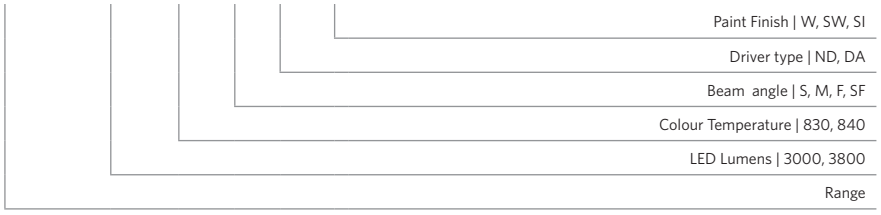
DA: DALI dimmable LED driver for 220/240V 50/60Hz compatible with central battery emergency systems

Part number breakdown

VLMF-LUPO 3000 830 SF DA SW



VLM-STS

3 Circuit Track Adaptor

Connect spotlights and luminaires with standard three circuit track adaptors. Power is fed directly from the LINIA bus bar and can be switched between L1, L2 and L3 from the luminaire directly.

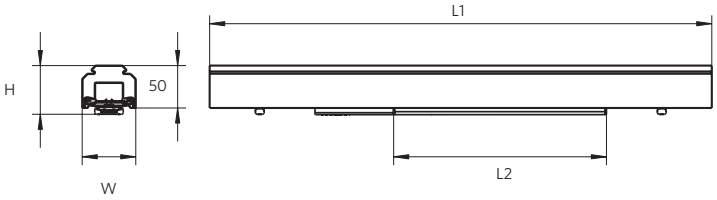
Ordering Information

Type	Dimensions (mm) L1	L2	W	H
VLM-STS 1000	1000	270	64	58
VLM-STS 1500	1500	620	64	58

Standard Finishes

White (W) Black (SW) Silver (SI)

Dimensions



Part number breakdown

VLM-STS 1000 W

Finish | W, SI, SW

Length | 1000, 1500

Range

LINIA Emergency Lighting

Integrating emergency lighting on LINIA is as simple as snapping in the right accessory. Dedicated LED emergency heads, turnable exit signs and luminaires with integral emergency equipment all plug in directly without any extra wiring on site.

The dedicated emergency lighting conductors provide simple connection to central battery systems and most luminaires are compatible.

RIDI's compact central battery system provides 500VA during a power outage from a wall mountable self contained unit. Testing is performed from the unit itself or can be integrated with our Control³ system.

VLMF-NL

Emergency Light Distribution

(OA)
Open Area

(CO)
Corridor

LINIA module with integrated emergency LED head with a choice of Open Area (OA) or Corridor (CO) optimised optics.

The module is available with 3hr integral batteries and optional DALI/Self-Test, or for use with Central battery systems.

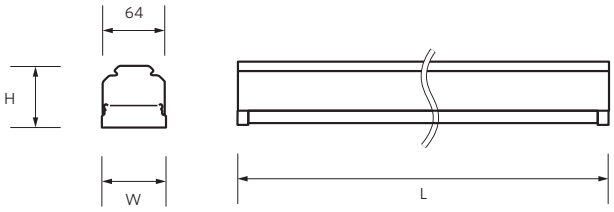
Ordering Information

Type	Colour temp	Nominal Output (lm)	Colour rendering	Step MacAdam	Optic	Dimensions (mm) W	L	H
VLMF-NL	850	207	Ra≥80	≤ 3	OA, CO	67	600	64

Standard Finishes

White (W) | Black (SW) | Silver (SI)

Dimensions



Emergency Lighting Options

ED3: Gear tray with emergency lighting element and maintenance-free NiMH battery for 3 hours maintained switching. With a 2-lamp gear tray, in emergency operation
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CB: For use with RIDI Mini DC Central battery system.

Part number breakdown

VLMF-NL 600 W OA ED3

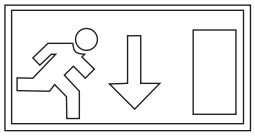
- ED3 — Emergency option | ED3, EMDALI, Z, Z-UR
- OA — Lighting distribution | OA, CO
- W — Colour | W, SW, SI
- 600 — Length | 600
- VLMF-NL — Range

VLMF-HW

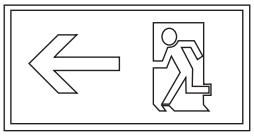
Ordering Information

Type	Dimensions (mm) L	H
VLMF-NW	600	262

Signage



(ADN)
Arrow Down

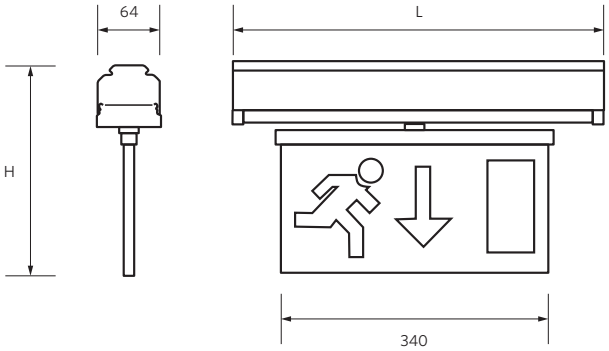


(ART)
Arrow Right / Left

Standard Finishes

White (W) | Black (SW) | Silver (SI)

Dimensions



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CB: For use with RIDI Mini DC Central battery system.

Part number breakdown

VLMF-NW 600 W ADN ED3

- ED3 — Emergency option | ED3, EMDALI, Z, Z-UR
- ADN — Sign legend | ADN, ART*
- W — Colour | W, SW, SI
- 600 — Length | 600
- VLMF-NW — Range

***ART:** Legend rotates to allow orientation of arrow in either direction left or right

CB
Mini DC Central Battery

Provides a 500VA emergency lighting supply during power outages. Compact self contained wall mount unit for ease of installation and simple siting.

Monitoring of emergency luminaires through the built in touch panel, or in conjunction with our Control³ lighting control system.

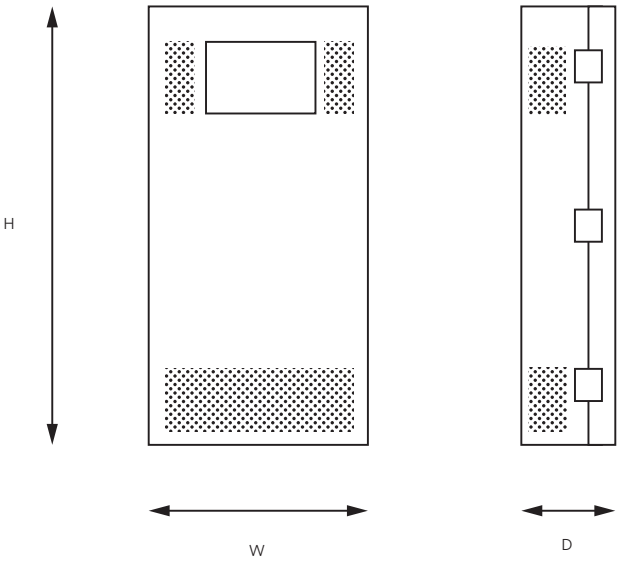
Ordering Information

Type	Output Voltage	Capacity	Fault Reporting	Network	Dimensions (mm) W	H	D
CB-A	216 VDC	500 VA / 120 Units	Inbuilt Panel	Ethernet	400	800	196
CB-B	216 VDC	500 VA / 120 Units	Via Master (A)	Via Master	400	800	196
CB-C3	216 VDC	500 VA	Via Control³	No	400	800	196

Standard Finish

Grey

Dimensions



Options

A: Master mini central battery panel with inbuilt LCD touchscreen for fault monitoring and reporting. 500VA max emergency load at 216 VDC and up to 120 monitored emergency devices.

B: Networkable mini central battery panel. 500VA max emergency load at 216 VDC and up to 120 monitored emergency devices. Network to master panel (A) for fault reporting

C3: Mini central battery panel for use with mains DALI luminaires and Control³ system. 500VA max emergency load at 216 VDC. Luminaires are monitored and tested via DALI and the Control³ system

Part number breakdown

CB A 500

Capacity VA | 500

Version | A, B, C3

Range

Control^3

Networked DALI Lighting Control

Control^3 is a comprehensive building wide DALI lighting control system. It is based on the powerful Control^3 processor, a stand alone lighting controller which can also be integrated onto your building's IP network.

Control^3 provides exhaustive functionality and energy saving. The system is simple to install, cost effective and built around open industry standards.

Controls for LINIA

RIDI LINIA is particularly suitable for DALI lighting controls. The DALI control bus is built into the bus-bar system, so installation takes no longer than a standard switched arrangement.

Sensors, DALI-Test emergency fittings and dimmable luminaires simply snap into the trunking - no additional wiring is required.

Energy Saving

Motion Detection
DALI multisensor sensors detect occupancy and allow both presence and absence control regimes.

Using presence detection, lights switch on and off automatically with occupancy. With absence detection, lights need to be switched on manually but still switch off automatically.

Daylight Harvesting
A room with daylight is more natural and comfortable to work in. It also means that less artificial light is needed. Automatic dimming and switching of the lighting maintains the right lighting levels and reduces energy usage.

Time Control
Lighting output and settings can be timed to match your building's usage. Each area can respond to the type of usage based on day and time.

Energy Monitoring
The system constantly monitors and records the output of each light fitting. The resulting graph of power usage can be viewed for any areas within the building, allowing you to fine tune the settings for the best use of resources.

Comfort, Convenience and Wellbeing

Scene Setting and Sequences
Change the mood or function of a room at the touch of a button. And you can fine tune those scenes any time using the simple web based UI built right into each Control³ system. Used with RGB luminaires we can create sequences of changing colour.

Circadian rhythms and Tuneable White
Daylight is never static, it changes in colour and intensity from dawn to dusk. Used with RIDI group tuneable white luminaires, Control³ is able to mimic this cycle to promote wellbeing.

AV Integration
Connect to with your AV system so that at a touch of button the blinds will close, the projector and sound system will switch on and of course the perfect light level will be set.

Smart Circulation
We don't hold on a whole building's corridors and circulation areas, jut because one office is occupied.

Smart Circulation puts a bubble of light around building users so that they never enter a dark corridor or stairwell, while minimising the lit area to save energy.

Maintenance, Monitoring and BMS integration

Fault Monitoring
Control³ constantly checks all the DALI devices in the building. Should a fault occur, such as a lamp failure, a severed cable or power outage it will immediately raise a fault alarm and if required notify you by email.

Occupancy Monitoring
Control³ knows where people are in your building and records that information for you. For each area you can see when people are present and get an indication of how busy that area is. Great information for building managers and retail operators

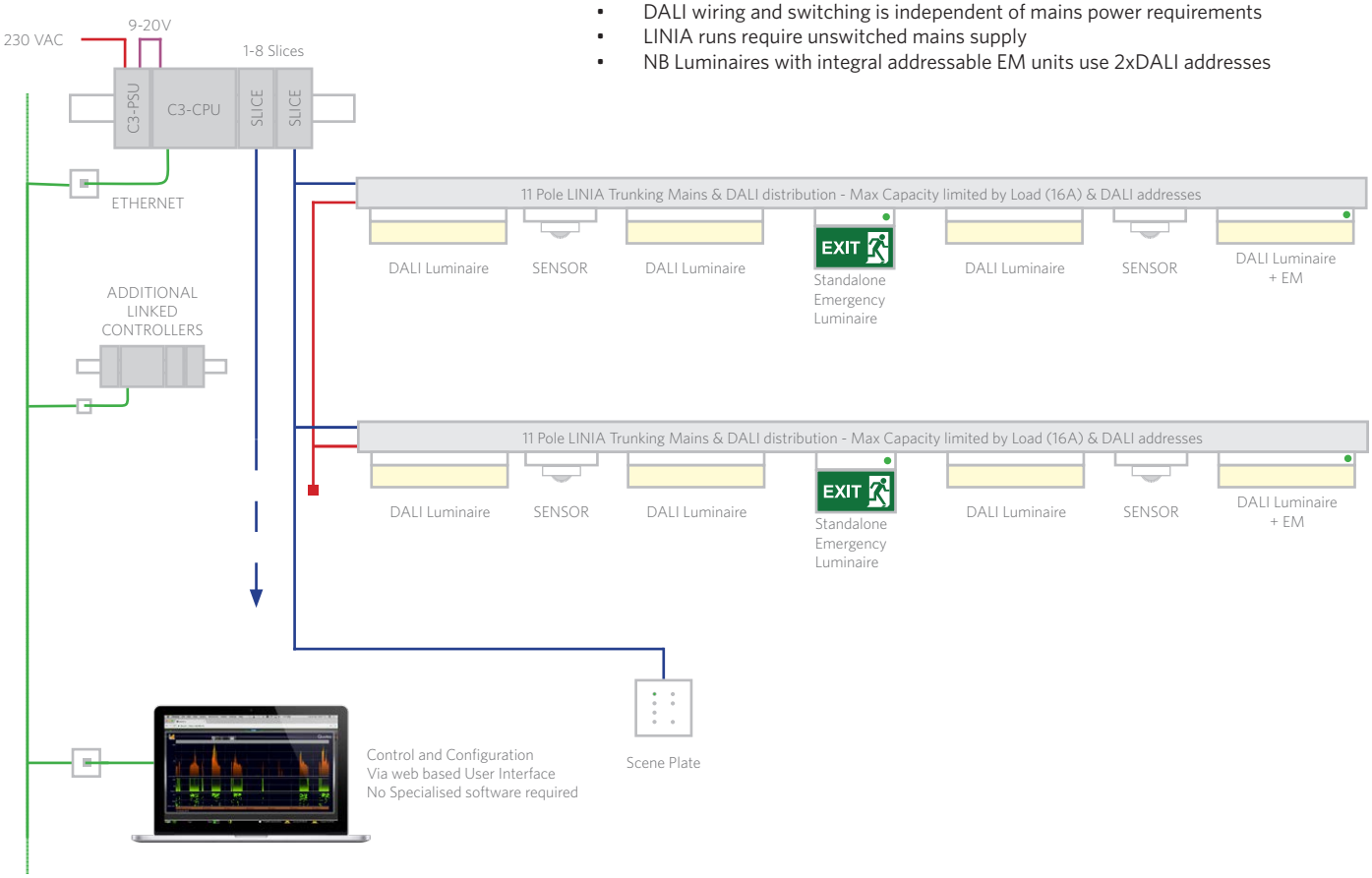
Emergency Testing
Emergency lights are automatically tested with both functional and duration tests. The test results are stored in the system and can be accessed via a web browser or sent via email.

BMS Integration
Control³ has built in communication for BACnet and TREND building management protocols. Information such as occupancy status, light levels, emergency testing results and alarms can be passed to the BMS. In addition lighting settings can be accessed and changed directly by the BMS.

Control³

Example Schematic

- Mix of DALI Luminaires, EM Luminaires and Control Devices on each Circuit / Slice
- Max 64 DALI addresses, max 210mA per DALI Circuit / Slice
- DALI Line - 2 x 1.5mm² mains rated - Max length 300m
- DALI wiring and switching is independent of mains power requirements
- LINIA runs require unswitched mains supply
- NB Luminaires with integral addressable EM units use 2xDALI addresses



Checklist

Type	Addresses	Load
Luminaires		
Emergency Luminaires		
Sensors		
Switch Inputs		
Scene Plates		

Controllers	Addresses	Circuits
Panel 1		
Panel 2		
Panel 3		
Panel 4		
Panel 5		

Control³ Parts

Part Number	Function	DALI Circuits	Dimensions (mm) W	H	D
C3-ENC-1	System Controller	1	600	300	100
C3-ENC-2	System Controller	2	600	300	100
C3-ENC-3	System Controller	3	600	300	100
C3-ENC-4	System Controller	4	600	300	100
C3-ENC-5	System Controller	5	600	300	100
C3-ENC-6	System Controller	6	600	300	100
C3-ENC-7	System Controller	7	600	300	100
C3-ENC-8	System Controller	8	600	300	100

Control³ system controller pre-wired and ready to install with between 1 and 8 DALI circuits

Part Number	Function	DALI Load	Dimensions (mm) W	L
VLMF-DALI-MSensor	PIR, Daylight Sensor	6mA	64	600

Blanking module with integrated DALI movement and daylight sensor, for use with Control³ systems.

Part Number	Function	DALI Load	Dimensions (mm) L	W	D
DALI-MC	4 Ch Switch Input	6mA	40	28	15

4 Channel switch input for momentary action switches compact design fits behind switch plate

Range	Function	DALI Load	Dimensions (mm) W	H	D
121	2 button On/Off	15mA	86	86	35
122	2 Button Raise / lower	15mA	86	86	35
124	4 Scene & Off	15mA	86	86	35
125	4 Scene, Off, Raise / Lower	15mA	86	86	35
126	7 Scene & Off	15mA	86	86	35

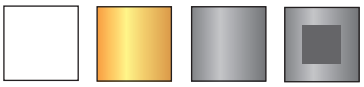
Scene plate for standard UK back box.
Buttons freely configurable in Control³ software

Part number breakdown

125 202

Colour | 200, 201, 202, 203

Range | 121, 122, 124, 125, 126



200 White | 201 Brass | 202 Steel | 203 Steel & Grey

Part Number	Function	DALI Supply	Dimensions (mm) L	W	D
SCI-V2	DALI Circuit Slice	210mA	70	12	50

Additional DALI Slice. Upgrade controller with extra DALI Circuit to a maximum of 8 per panel

Appendices

- = Not resistant
o = Conditionally resistant
• = Resistant

A1 - Chemical Resistance

Chemical / Material	Polyester	Acrylic (PMMA)	Polycarbonate (PC)	TPE Seals of VLG-F	TPU Seals of VLPG-F
Acetone	-	-	-	•	•
Aliphatic Hydrocarbons	o	o	•	o	•
Alcohol up to 30%	•	•	•	•	•
Alcohol Conc	o	-	-	-	•
Ammoniac 25%	o	•	-	o	•
Accumulator Acid	•	•	•	Consultation with manufacturer	o
Aniline	-	-	-	o	o
Aromatic Hydrocarbons	o	-	-	-	o
Ether	o	-	-	-	•
Ethlyacetate (ester)	-	-	-	-	•
Benzene (Cleaner's Solvent)	•	•	•	o	•
Benzole	-	-	-	-	•
Beer	•	•	•	•	•
Blood	•	•	•	•	•
Bromine Acid	-	-	-	-	o
Chloroform	-	-	-	-	o
Chlorophenol	-	-	-	-	o
Diesel Oil, crude oil	•	•	o	-	•
Dioxin	•	-	-	-	o
Acetic Acid - up to 5%	•	o	•	•	•
Acetic Acid - up to 30%	•	-	o	•	o
Glycerine	•	•	o	•	•
Glycol	•	•	•	•	•
Glysantine	•	•	•	•	•
Carbon Dioxide	•	•	•	•	•
Carbon Monoxide	•	•	•	•	•
Lime Milk	•	•	o	Consultation with manufacturer	•
Sodium Chloride Solution	•	•	•	•	•
Cetone	-	-	-	-	•
Lysol	-	-	-	-	o
Seawater	•	•	•	•	•
Methylene Chloride	-	-	-	-	o
Methanol	-	-	-	-	•
Metal Salts & Aqueous Solutions	•	•	•	•	•
Caustic Soda - 2%	o	•	-	o	•
Caustic Soda - 10%	-	•	-	o	•
Petrol ether	•	•	o	-	o
Pyridine	-	-	-	-	o
Phenol	-	-	-	-	o
Nitric Acid - up to 10%	•	•	•	•	o
Nitric Acid - 10% to 20%	-	o	o	o	o
Nitric Acid - over 20%	o	-	-	-	-
Hydrochloric Acid - up to 20%	•	•	•	•	•
Hydrochloric Acid - over 20%	•	•	o	•	-
Sulphuric Acid - up to 50%	•	•	•	•	•
Sulphuric Acid - up to 70%	•	o	o	o	o
Sulphuric Acid - over 70%	o	-	-	-	-
Sulphuric Acid - up to 5%	-	o	-	o	o
Hydrogen Sulphide	•	•	•	o	•
Soapy Solution	•	•	•	•	•
Soda	•	•	•	•	•
Synthetic Detergent Solution	•	•	o	o	•
Turpentine Oil	•	o	o	o	•
Carbon Tetrachloride	•	-	-	-	o
Water up to 60°C	•	•	•	•	•
Hydrogen Peroxide up to 40%	-	-	o	-	o
Hydrogen Peroxide over 40%	-	o	o	-	-
Xylene	-	-	-	-	•

A2 - Certification

A2.1 - Food Safety Certification

Lebensmittelrechtliche Konformitätserklärung

Die Baureihe LINIA LED Leuchten
in der Ausführung:

VLG-F1…
VLG-F2…

Hergestellt von:

RIDI Leuchten GmbH
Hauptstraße 31-33
D-72417 Jungingen
www.ridi.de

entsprechen den Vorgaben des Lebensmittelrechtes im Sinne der Verordnung (EG) Nr. 852/2004 (HACCP) Anlage II Kapitel I Ziffer 2 a, b Kapitel II Ziffer 1c im Bereich von Leuchten zum Zeitpunkt der Bewertung.

Dieses wurde bei der Begutachtung 25.03.2015 und 07.05.2018 Az RIDI-03-15, durch das Sachverständigenbüro Stefan Tannenberg, Langenaustr. 35, 56070 Koblenz (von der IHK zu Koblenz öffentlich bestellter und vereidigter Sachverständiger für Betriebs- und Produkthygiene im Lebensmittelbereich) festgestellt.

Die Konformitätserklärung hat eine Gültigkeit bis zum 08.05.2021 für die o. g. Modellarten, sofern die Bauarten und die Bewertungsgrundlagen bis dato nicht geändert wurden.

von der IHK zu Koblenz öffentlich bestellter und vereidigter Sachverständiger für Betriebs- und Produkthygiene Lebensmittelbereich)

Ausstellungsdatum
09.05.2018

Für das oben beschriebene Produkt ist das Herstellerunternehmen verantwortlich. Das Sachverständigenbüro Tannenberg haftet nicht, auch nicht Dritten gegenüber für unzureichende Produktqualität, Produktfehler, unzureichende Erläuterungen oder Schäden, die durch diese Leuchten entstehen könnten. Die Konformitätserklärung darf nicht auszugsweise kopiert oder an Dritte weitergeleitet werden.

A2.2 - Test Data Acceptance Program

Zertifikat zur Anerkennung
Certificate of acceptance

von / *of*

RIDI Leuchten GmbH
Hauptstraße 31-33
72417 Jungingen
GERMANY

durch die / *by the*

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute

für das / *for the*

Test Data Acceptance Program
in der Stufe 3 / in the Stage 3

ID Nummer *ID number*	40044306, Revision 1
Gültig bis Valid until	2020-07-11
Aktenzeichen File number	565600-9501-0003/239942

Dieses Zertifikat ist nur gültig zusammen mit dem gültigen Dokument „TDAP SCOPE". Es berechtigt nicht zur Nutzung eines markenrechtlich geschützten Zeichens des VDE.
This certificate is valid only in conjunction with the valid document „TDAP SCOPE". It does not authorize to use any of the legally protected VDE marks.

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierung Produkte / *Certification Products*

2017-08-30

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phone +49 69 8306 0, fax: +49 69 8306 555
e-mail: vde-institut@vde.com, www.vde-institut.com
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VDE certificates are valid only when published on: www.vde.com/certificate
Version 1, 2016-04-01

VDE INSTITUT

A2.3 - LED Warranty Declaration

LED WARRANTY DECLARATION

Warranty for LED components in RIDI luminaires

For products with a rated service life of ≥ 50.000 operating hours, RIDI offers a 5-year warranty period from the date of the RIDI invoice.
For products with a rated service life of < 50.000 operating hours, RIDI offers a 3-year warranty period from the date of the RIDI invoice.

This warranty refers to all LED modules, LED control units and other LED components and is applicable on a Europe-wide basis. On application, the warranty can also be extended to other countries. Warranty entitlement must be substantiated by an invoice in case of a warranty claim. The warranty covers exclusively product failures due to material, design and/or fabrication faults.

The **warranty conditions** refer exclusively to mortality over a nominal failure rate of 0.2% / 1000 operating hours. A mean flux decline in LED modules of up to 0.4% / 1000 operating hours is normal and consequently not covered by the warranty.

When replacing LED modules, due to the use-related change of luminous flux in operated LED modules and as technical progress advances, deviations may occur in terms of lighting characteristics.

The warranty will only be valid if the following conditions may be proven to have been complied with:
- Use of the products in accordance with their intended purpose as set out by the relevant product and application specification
- No modifications may be performed on the product which would alter its as-delivered condition. The installation may only be carried out by qualified personnel in accordance with the installation instructions.
- Limiting values for temperatures and voltages must not be exceeded.
- The maintenance instructions prescribed in the installation instructions must be adhered to.

The warranty is fulfilled following a decision by us as to whether the product or the faulty components of the product should be repaired in one of our locations or replaced by identical or equivalent substitute products. The design and properties of product replacements may deviate slightly but not unreasonably from the original product due to technical advancement.

Because the LED modules and R-TUBEs are produced in-house at our Jungingen factory, RIDI is able to guarantee equivalent replacement delivery for a period of a 10 years.

The warranty does not cover:
- All ancillary costs incurred in connection with remedy of the repair (such as mounting and dismantling, transport of the faulty and repaired / new product, disposal, travel and transit time, hoisting equipment, scaffolding)
- Settings / parameterization work in systems which change as a result of wear, fatigue or dirt
- Any necessary services such as repeated commissioning, software updates etc.

This does not affect any statutory warranty rights which apply irrespective of the warranty. This applies also to claims against the dealer/installer.
The legal relationship in connection with the warranty is governed exclusively by German law. We expressly refer to the conditions attached to the invoice / to our General Terms and Conditions.

RIDI Leuchten GmbH
Hauptstraße 31-33
72417 Jungingen
www.ridi.de

Jungingen, den 05.03.2014

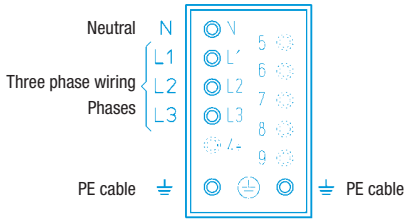
RIDI Leuchten GmbH Hauptstraße 31-33 · D-72417 Jungingen · Tel. +49 (07477) 872-0 · Fax +49 (07477) 872-48 · info@ridi.de · www.ridi.de
Sitz Jungingen, HRB 420502 AG Stuttgart · Geschäftsführer Manfred Diez · Ust.-Id. Nr.: DE 144857074 · WEEE-Nr.:DE70192297

A3 - Pin Assignment

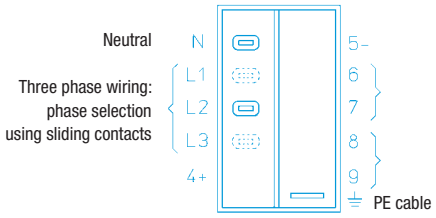
A3.1 - 5 Core - Blue Connectors

5 | BLUE

Pin assignment at the mains connection in the trunking



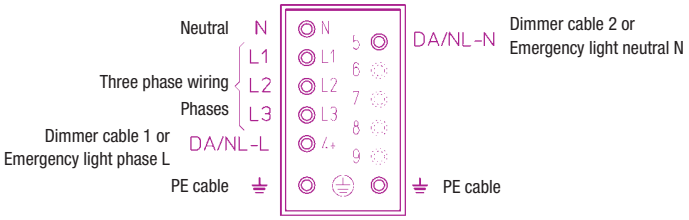
Pin assignment at the adapter in the gear tray



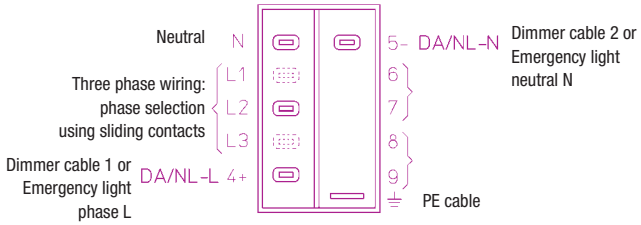
A3.2 - 7 Core - Purple Connectors

7 | PURPLE

Pin assignment at the mains connection in the trunking



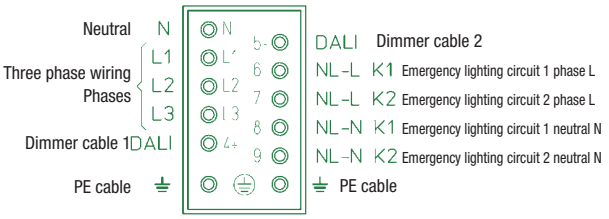
Pin assignment at the adapter in the gear tray



A3.3 - 11 Core - Green Connectors

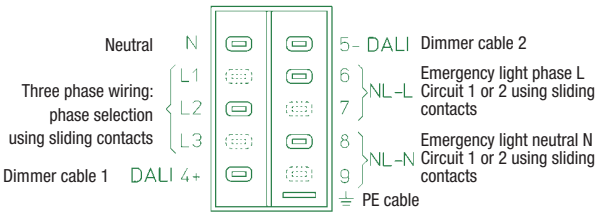
11 + 11/2,5 | GREEN

Pin assignment at the mains connection in the trunking



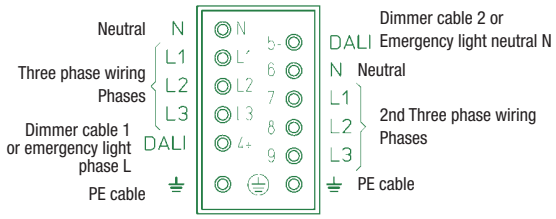
Note: In the case of two emergency lighting circuits, an additional mains connector is required for the earth conductor.

Pin assignment at the adapter in the gear tray



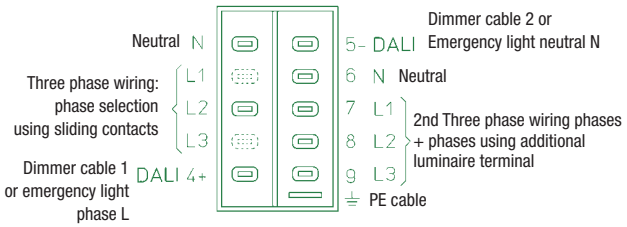
11/2,5 | GREEN

Pin assignment at the mains connection in the trunking

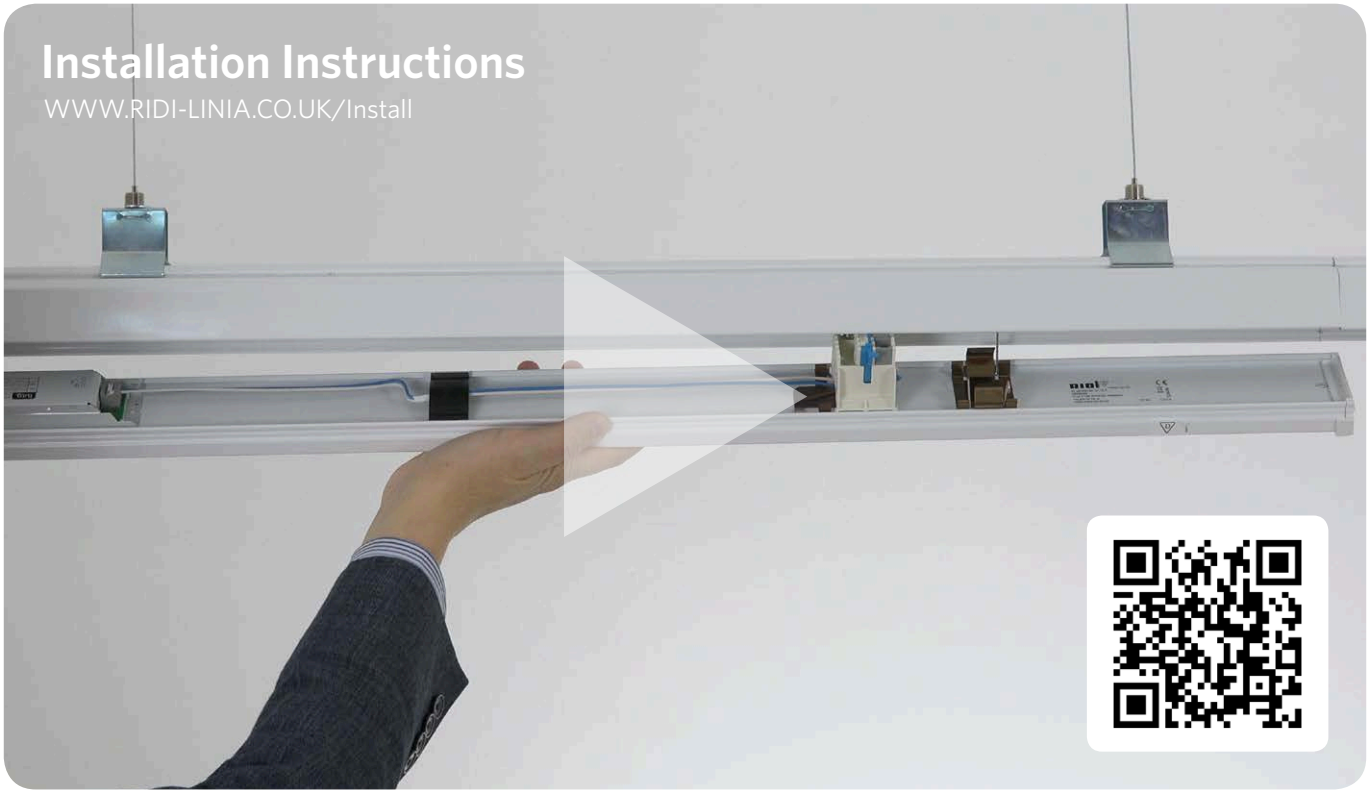


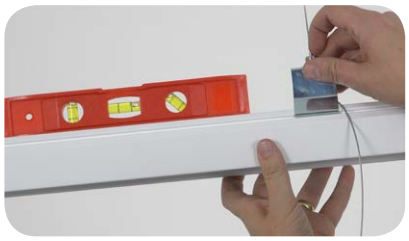
Note: In the case of two emergency lighting circuits, an additional mains connector is required for the earth conductor.

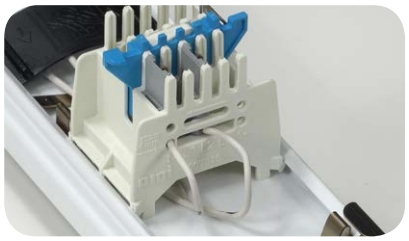
Pin assignment at the adapter in the gear tray



Watch Step by Step Instructions







Scan the QR Code with your phone or visit
www.ridi-linia.co.uk/install

RIDI GROUP

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LED technology is in a continuous process of improvement. The specified efficiency values are provided as an illustrative example and reflect the state of the art at the time of going to print. Updated values can be accessed at any time at our website.