MODEL: ULTIMA-S





ATTENTION

Please read all safety and assembly instructions prior to installation and keep for future reference. All wiring should be done according to national and local electrical codes.

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General Safety Instructions

- · Pass the instructions to the customer for safekeeping.
- Do not remove the product label of the luminaire.
- Please note the national installation and accident prevention regulations during installation.
- The installation must be performed only by a trained electrical specialist.
- Damaged cables may only be changed by trained electrical personnel.
- For improper installation or any subsequent change to the luminaire no liability is accepted.
- The light source of this lamp may be replaced only by the manufacturer or an authorized service technician or a similarly qualified person.
- · LED lamps (without IP67 protection) must not be cleaned.
- Clean the luminaire regularly with a smooth damp cloth. Only use solventfree cleaning agents. Attention: previously cut off the mains supply and allow system to cool down.

- To protect the surface from dirt and fingerprints, we recommend the use of protective gloves during installation.
- The disposal of the system must be carried out on the disposal of electronic products in accordance with the EU Directive WEEE (Waste Electronical and Electronic Equipment).
- In order to answer technical queries, please contact our project management respectively our worldwide branches and distributors. Please send your request to info@led-linear.com.
- Magnets can affect the function of pacemakers and implanted defibrillators.
- Magnets generate a strong magnetic field. Among other things, magnets can damage televisions and laptops, computer hard drives, credit and debit cards, mechanical watches, hearing aids and speakers.

Main voltage / connection

- Check that there is no voltage of the system prior to installation and maintenance. Beware of electric shock.
- Only use power supplies of the correct voltage.
- It is not allowed to use the luminaires with altered or damaged connector cables
- In case of a three-phase installation do not interrupt the neutral conductor of the electronic power supplies.
- Electrically operated (Constant Current) LED modules must not be secondary side connected.
- Avoid overvoltage at the electronic control gear.
- The cable must not cover the light-emitting portion.
- Connecting and disconnecting the luminaire and the control gear under present voltage can cause damage to the components.

- Mismatched luminaires and control gears can damage each other.
- Wrongly polarized cables damage the luminaire.
- Do not cut off any connectors. Cutting off a connector turns an IP67 fixture into an IP20 fixture due to the open cable leads. Please carefully seal end of run. Cutting off the connectors voids the fixture warranty.
- The installation of a Dali system may only be performed by trained personnel. Pay attention to any necessary mains voltage resistance of the Dali operating device.
- Only suitable dimmers must be used for dimming. Observe the manufacturer's instructions. Not suitable dimmers can damage the whole system.
- Terminals in accordance with EN 60998-2-1 or EN 60998-2-2 must be used for connecting the lamp to the power grid.

Environment

- Pay attention to the allowable ambient conditions under which the luminaire may be operated.
- Install the luminaire in a place where it is not exposed to direct sunlight or heat sources.
- Ensure that the recessed version is not covered with insulating material.
- Do not cover luminaire and control gear to prevent overheating.
- Pay attention to the minimum distance between luminaire and lighted object.
- Be careful with allowable floor loads in case of ceiling mounting of the luminaire.









Attention: Do not touch LEDs. Fragile! Electrostatic discharges can damage the LEDs.

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MODEL: ULTIMA-S



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ATTENTION: Please read all safety and assembly instructions prior to installation and keep for future reference.

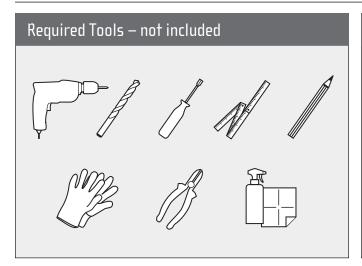


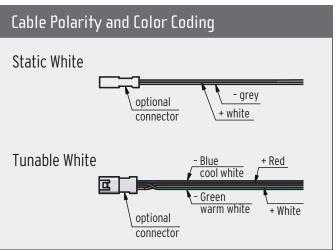




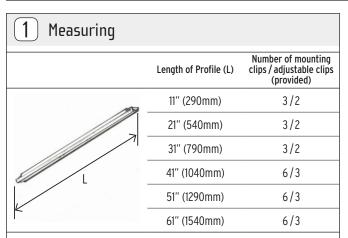
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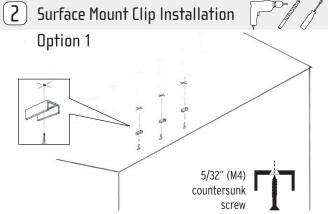




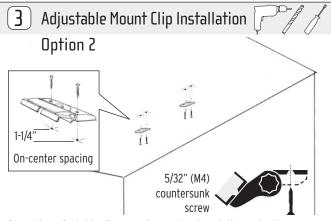
I. SURFACE MOUNTING INSTALLATION — using surface mounting clip/adjustable mounting clip



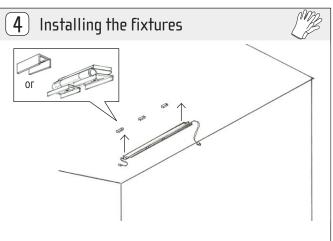
Confirm the total number of supplied surface mount/adjustable clips that are required for the installation by using the chart.



Space the clips equally apart and mark the spots. Max. recommended spacing is 11" (300mm). By using 5/32" (M4) countersunk screws (not provided), install the clips on the intended surface.



Space the adjustable clips equally apart and mark the spots. Max. recommended spacing is 11" (300mm). By using 5/32" (M4) countersunk screws (not provided), install the adjustable clips on the intended surface.



Make sure that all clips are aligned straight, and the installation surface is leveled. Insert the fixture into the clips.

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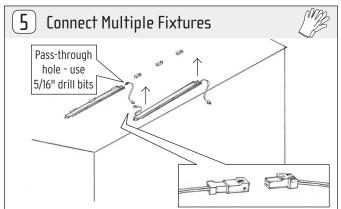




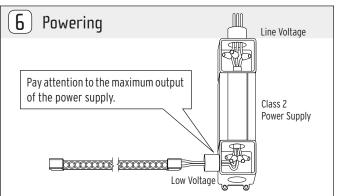
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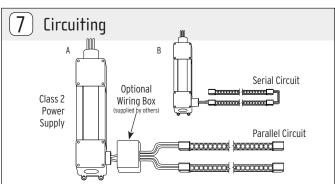
. SURFACE MOUNTING INSTALLATION — using surface mounting clip/adjustable mounting clip *(continued)*



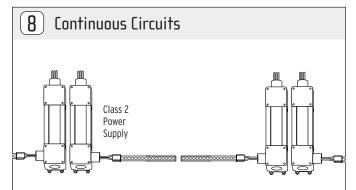
By using the quick connectors, add more fixtures for continuous runs. See Product Spec Sheets for max. continous run lengths. Drill pass-through holes on the installation surface, if necessary, in order to feed the cable through.



Connect positive WHITE wire to RED low voltage wire from power supply. Also, connect negative GRAY wire to BLACK low voltage wire from power supply. Refer to the Voltage Drop Charts on our website for the maximum cable length from power supply to the product.

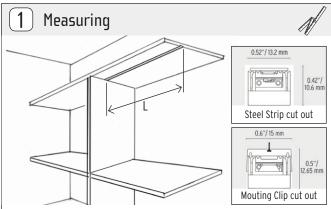


Parallel drive circuits ensure a safer operation (A). Use an optional wiring box to split parallel circuits. Refer to product data sheet for further information. If used with serial circuit (B), the maximum length of a single unit to be driven in series equals the maximum length of the fixture. If exceeded, asymmetric voltage drops can lead to a strong over current and damage of single modules.

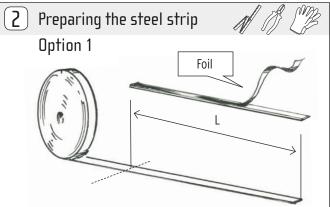


Maximum powered run length of the fixture depends on the power supply specifications. For continuous runs, place the power supplies either at both ends of the run or in the middle of the run next to each

1. RECESSED MOUNTING INSTALLATION — using steel strip



Measure the length of the fixture and create a slot on the installation surface. Cut out dimensions are 0.42" x 0.52" for Steel Strip and 0.5" x 0.6" for Mounting Clip.



Match the length of the fixture to the length of the steel strip. Cut the strip, remove the foil behind the strip and apply the strip into the slot. Use countersunk screws or glue to ensure secure mounting.

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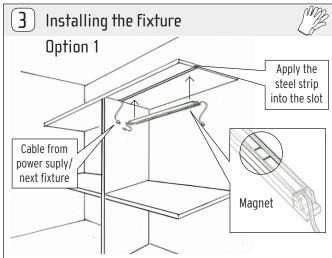


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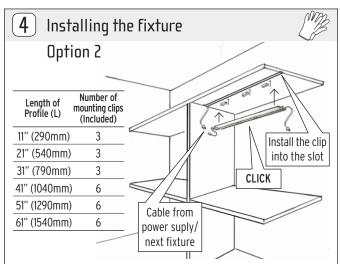
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II. RECESSED MOUNTING INSTALLATION — using steel strip

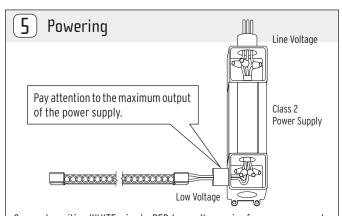
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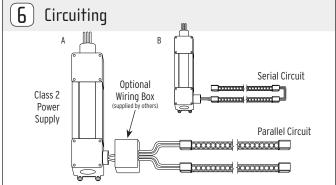
Insert the fixture into the groove. Ensure the magnets on the fixture attracts the steel strip. Drill pass-through holes on the installation surface, if necessary, in order to feed the cable through. Use 5/16" drill bits.



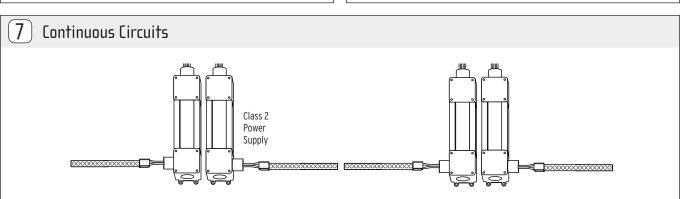
Confirm the number of provided mounting clips according to the length of the fixture by using the chart. Space the clips equally apart and install them inside the slot. Insert the fixture inside the slot and ensure proper connection.



Connect positive WHITE wire to RED low voltage wire from power supply. Also, connect negative GRAY wire to BLACK low voltage wire from power supply. Refer to the Voltage Drop Charts on our website for the maximum cable length from power supply to the product.



Parallel drive circuits ensure a safer operation (A). Use an optional wiring box to split parallel circuits. Refer to product data sheet for further information. If used with serial circuit (B), the maximum length of a single unit to be driven in series equals the maximum length of the fixture. If exceeded, asymmetric voltage drops can lead to a strong over current and damage of single modules.



Maximum powered run length of the fixture depends on the power supply specifications. For continuous runs, place the power supplies either at both ends of the run or in the middle of the run next to each other.

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ATTENTION: Please read all safety and assembly instructions prior to installation and keep for future reference.



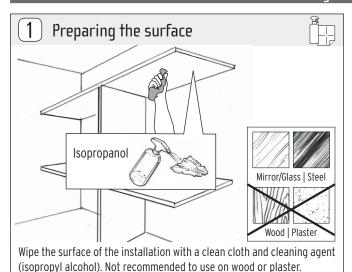


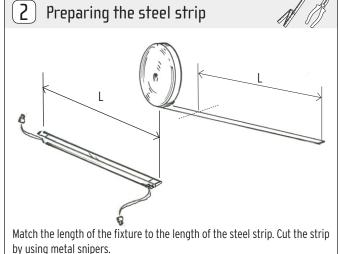


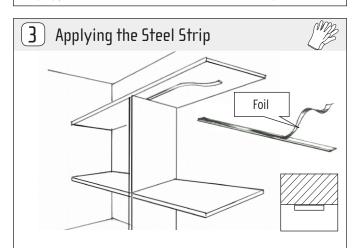
Attention: Do not touch LEDs Fragile! Electrostatic discharges can damage the LEDs.

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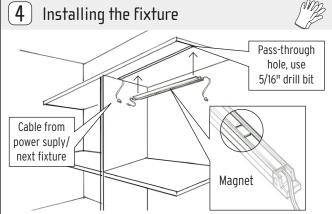
II. SURFACE MOUNTING INSTALLATION — using steel strip



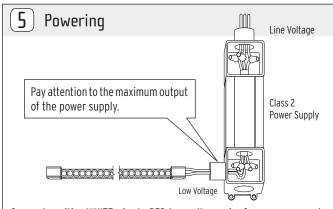




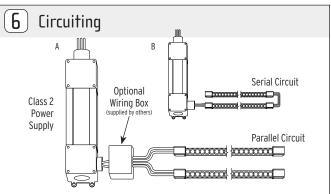
Remove the foil behind the steel strip and apply it on the installation surface. Use countersunk screws or glue if extra security is needed.



Snap the fixture onto the steel strip. Ensure the magnets on the fixture attracts the steel strip. Drill pass-through holes on the installation surface, if necessary, in order to feed the cable through.



Connect positive WHITE wire to RED low voltage wire from power supply. Also, connect negative GRAY wire to BLACK low voltage wire from power supply. Refer to the Voltage Drop Charts on our website for the maximum cable length from power supply to the product.



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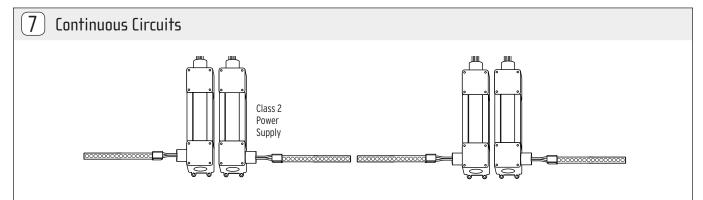




Attention: Do not touch LEDs. Fragile! Electrostatic discharges can damage the LEDs. MADE IN GERMANY

III. SURFACE MOUNTING INSTALLATION — using steel strip

(continued)

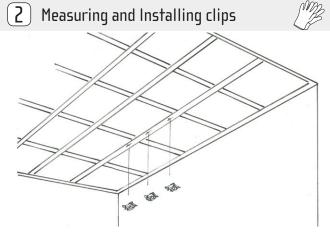


Maximum powered run length of the fixture depends on the power supply specifications. For continuous runs, place the power supplies either at both ends of the run or in the middle of the run next to each other.

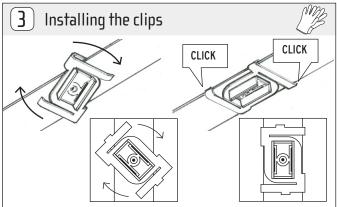
IV. GRID MOUNTING INSTALLATION — using grid ceiling clip

1 Measuring		
	Length of Profile (L)	Number of mounting clips (Included)
19	11" (290mm)	3
	21" (540mm)	3
	31" (790mm)	3
	41" (1040mm)	6
	51" (1290mm)	6
*	61" (1540mm)	6

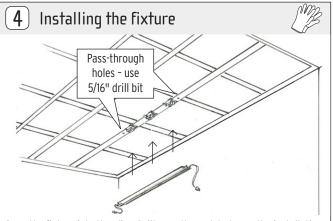
Confirm the total number of grid mounting clips that are required for the installation by using the chart above.



Space the clips equally apart and mark the spots. Max. recommended spacing is 11" (300mm).



Push the clip against the grid structure and rotate 90 degrees. When the clips clicks in, ensure that the connection is tight. The clips are compatible with 15/16" grid types. Rotate the second clip (black/white part) 90° if the fixture is to be installed across ceiling structure



Snap the fixture into the clips. Drill pass-through holes on the installation surface (on the grid strcture or grid tile), if necessary, in order to feed the cables through.

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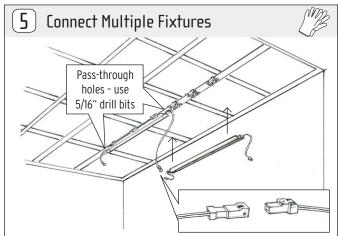


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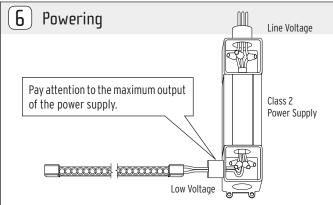
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IV. GRID MOUNTING INSTALLATION

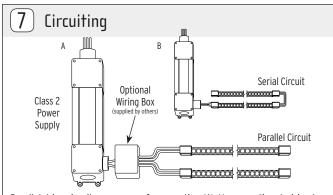
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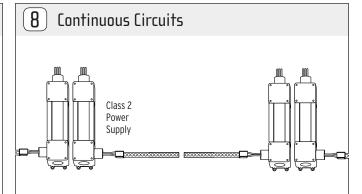
By using the quick connectors, add more fixtures for continuous runs. Drill more pass-through holes on the installation surface, if necessary.



Connect positive wire to RED (white) low voltage wire from power supply. Also, connect negative wires to BLACK (gray) low voltage wire from power supply. Refer to the power supply data sheets for the maximum cable length from power supply to the product.



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