

**Instruction Manual systemX LED version L** designed by Ross Lovegrove



Please read the followings before assembling and installing this product.  
Electric work should be performed by qualified electricians.

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**Safety Precautions for Electricians**

**Warning**



**Danger of Fire**

- ◇ When connecting power supply, please follow the mounting instructions correctly.

**Danger of Injury by Falling Fixtures**

- ◇ When installing fixtures, please follow the mounting instructions correctly.
- ◇ When installing fixtures to the ceiling, please check the ceiling strength and mount the fixtures securely and make sure to withstand loads. In case the strength is insufficient, please apply the adequate reinforcement of the ceiling.
- ◇ Please follow the mounting directions.

**Danger of Electrical Shock**

- ◇ Be sure to cut off the power supply until completion of the work.
- ◇ Be sure to cut off the power supply when mounting the fixture.
- ◇ Please perform the ground construction work properly following the electrical equipment standard and interior wiring regulations.



**Danger of Injury by Falling Fixtures**

- ◇ Do not install the fixture where extreme projecting portions are found around the mounting area.

**Caution**

- ◇ Electrical work should be performed by qualified electricians. Non-eligible persons are prohibited to be engaged in the electrical work by law.
- ◇ Do not use the fixture other than the rated voltage.  
If used under higher voltage than the specified rated one, it may generate fire hazard.
- ◇ This fixture can be used solely as a ceiling fixture. It cannot be fixed on the wall. Lack of proper application may cause breakage or falling of the fixture.
- ◇ Do not try too hard to turn and pull the fixture, or give vibration and shock as it may cause injury by falling fixtures.
- ◇ Mounting and removal work of fixture should be done gently with both hands and fixtures should be securely installed.  
If failed, it may cause injury by falling fixture.
- ◇ Do not use the dimming device unless specified its adaptability as it may cause fire hazard.
- ◇ This fixture is for interior use only, but not for use in a humid and moist place such as a bathroom. Do not use it outdoors.  
Improper application may cause electrical shock or fire hazard.
- ◇ Make sure the glue and similar substance is completely dried under the wallpaper and wall coverings when installing the fixture as it may cause the discoloration of plating or paint and generate rust.
- ◇ Please perform the ground construction work properly following the electrical equipment standard and interior wiring regulations to refrain from possible electrical shock and fire hazard.
- ◇ Do not use the fixture except under the ambient temperature of 10°C~35°C.

**Attn: Electrical Contractor**

Please deliver this instruction manual to the end-user after the work is finished.

**Safety Precautions for Users**

**Warning**



**Danger of Electrical Shock**

- ◇ Be sure to turn off the power supply at the time of replacement and repair of any parts.
- ◇ Please turn off the power supply and contact the shop you purchased the fixture from, should any abnormal incident (such as smoke or unusual smell, etc.) occurs.



**Danger of Electrical Shock / Fire**

- ◇ Do not make alterations to the fixture and parts.
- ◇ Do not put foreign objects (like metals, flammable matter, etc.) in the clearance of the fixture.



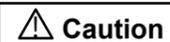
**Danger of fire**

- ◇ Do not cover the fixture with fabric, paper, etc.
- ◇ Do not place the fixture closer to curtains, or flammable objects like volatile matter, etc.

**Caution**

- ◇ At the time of maintenance and repair, do not twist, pull, or give vibration and shock to the fixture. There is a risk of injury by the falling fixture.
- ◇ The cover of the fixture may turn yellowish due to aging and it is not considered abnormal. Please note that there may show color difference when parts of the cover are replaced among the ones in use and the newly placed ones.
- ◇ There is a life span for lighting fixtures. After approximately 8 to 10 years of use from its installation, deterioration inside the fixture is under way despite no change in outer appearance is shown. Inspection by qualified electricians is recommended every 3 to 5 years. If any defects are found, please replace the parts. (Generally, a roughly calculated standard life span of lighting fixture is 10 years, although it differs depending on the used conditions and environment.)
- ◇ To use the fixture brightly and safely, try to clean up and check the fixture regularly (for example, every 6 months). Check if there are any screws and parts loosening, damages or parts detached.
- ◇ Do not water the fixture or wash it in the water, otherwise there is a risk of electrical shock and fire.
- ◇ Do not place a heating stove or heat generator under the fixture, otherwise there is a risk of deformation of the fixture and fire.

**Maintenance and Repair**



Be sure to turn off the power supply, otherwise there is a risk of electrical shock or injury.

- ◇ When doing maintenance and repair, do not wipe the fixture with volatile material like gasoline, thinner, benzene, etc. Do not use pesticides, otherwise there is a risk of color change and damage. In case the fixture is badly stained, dip soft fabric in a neutral detergent and squeeze it well. With that fabric, wipe the fixture. Then do finish wiping with soft dry fabric.
- ◇ Do not touch the fixture with a wet hand.



Fitting to be not installed on normally inflammable surfaces (Possess only the flaming retardant materials surface and is possible)  
( : When using it only by FE200W)



Discharge correctly the luminaire  
(see DISCHARGE OF LUMINAIRE - WEEE)



Fittings in class III must be supplied by a safety transformer complying with the regulations in force



This fitting is in conformity with the European Directives

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### Rating Table

Catalogue No.	Model No.	Working Voltage Input Current	Power Consumption	Bulb Light Flux	Color Temperature	Color Rendering	Weight
FE200W	OAFZ-02K9-0W	DC 43.5V 0.7A	30.5W	LED 3960lm	4000K (LED)	Ra85	1.5Kg

### Parts

\*Included in the Package.

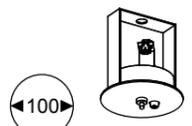
<b>Hexagon Wrench</b> (1.5 mm) 	<b>Instruction Manual</b> (this manual) 
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#### [Dimming]

This fixture requires EcoSystem Driver (supplied by Lutron). The EcoSystem Driver requires Lutron system (control panel, dimming switch, etc). Please contact your local supplier.

\*Not Included in the Package.

<b>End Cap</b> Z1210W 0AFZ-08K8-ZW(Model No.) 	<b>V-connector</b> Z1211W 0AFZ-09K5-ZW(Model No.) 
<b>W-connector</b> Z1212W 0AFZ-10K6-ZW(Model No.) 	<b>X-connector</b> Z1213W 0AFZ-11K3-ZW(Model No.) 

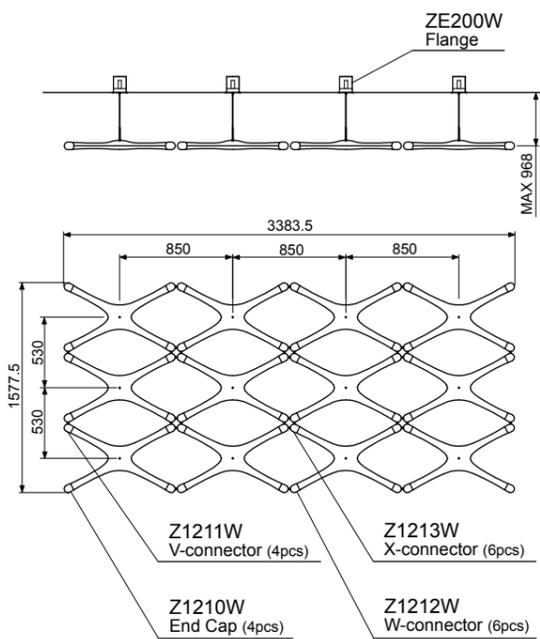
<b>Flange(for FE200W)</b> ZE200W A0FZ-07K0-ZW(Model No.) 	<b>EcoSystem LED driver</b> (LDE531CRN-RA070) 0AFZ-12K0-Z0(Model No.) Input: 220V-240VAC 50/60Hz Power Factor: λ>0.95 max35W Output: 27.7V-50VDC 0.7A 
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Please note that the specifications and appearance of the fixture are subject to change for improvement without prior notice.

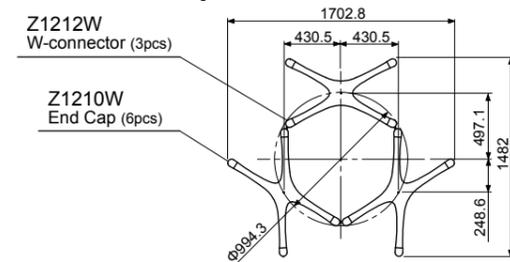
### System Dimensions

#### ■ Grid Pattern Connection

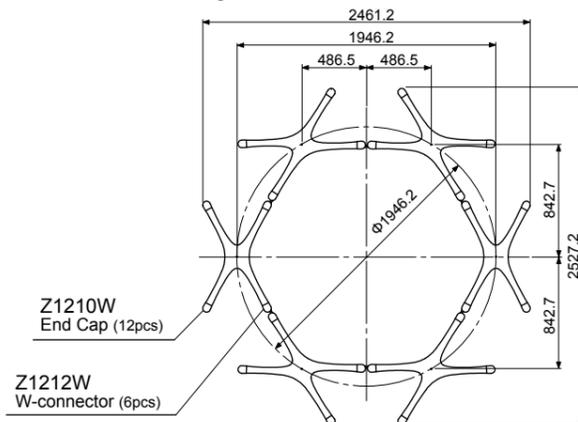
[ A: 3x4 Grid Connection ]

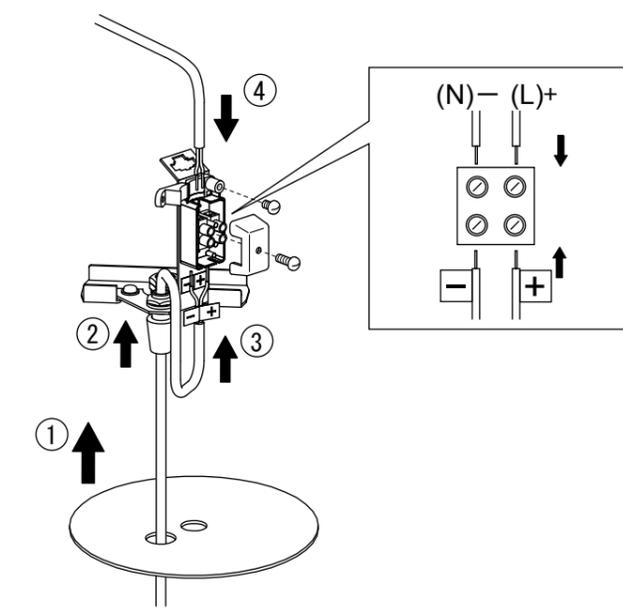


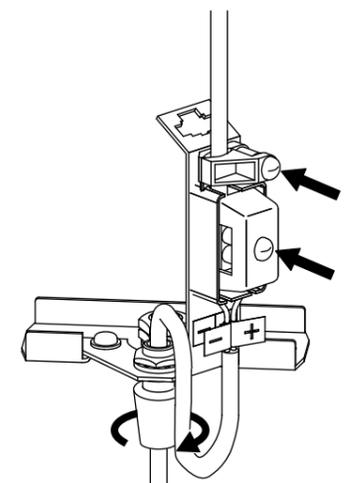
[ B: 3 Circle Connection ]

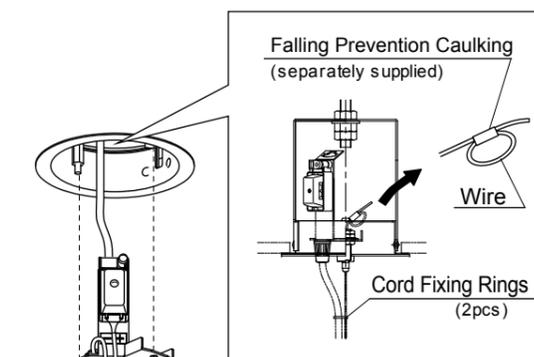


[ C: 6 Circle Connection ]







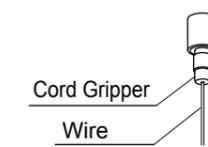


#### How to Adjust Wire Length

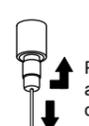
- Adjustment to shorten wire**  
 As shown below, push the wire into the wire adjusting gear. Be sure to do this by holding the lighting body.
- Adjustment to Lengthen Wire**  
 Holding the lighting body, make an adjustment to lower it by loosening stopper(the wire adjusting gear) as shown below.

**Caution**

The wire is not locked while the stopper is being pushed up. So there may occur a sudden falling of the lighting body due to its weight. So never fail to hold the lighting body when adjusting the suspension length.

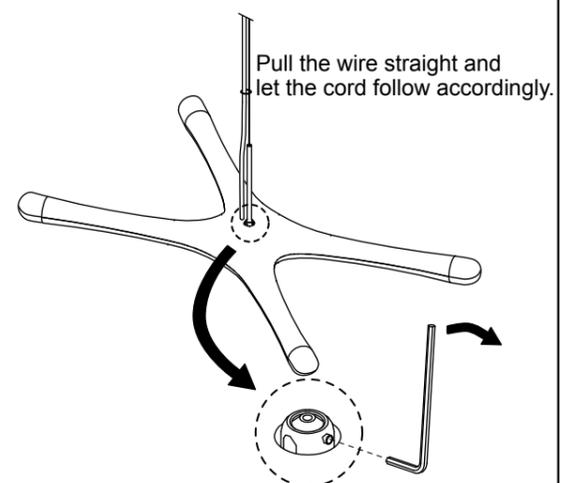


Designed for the wire to be inserted when loosening the wire adjusting gear.



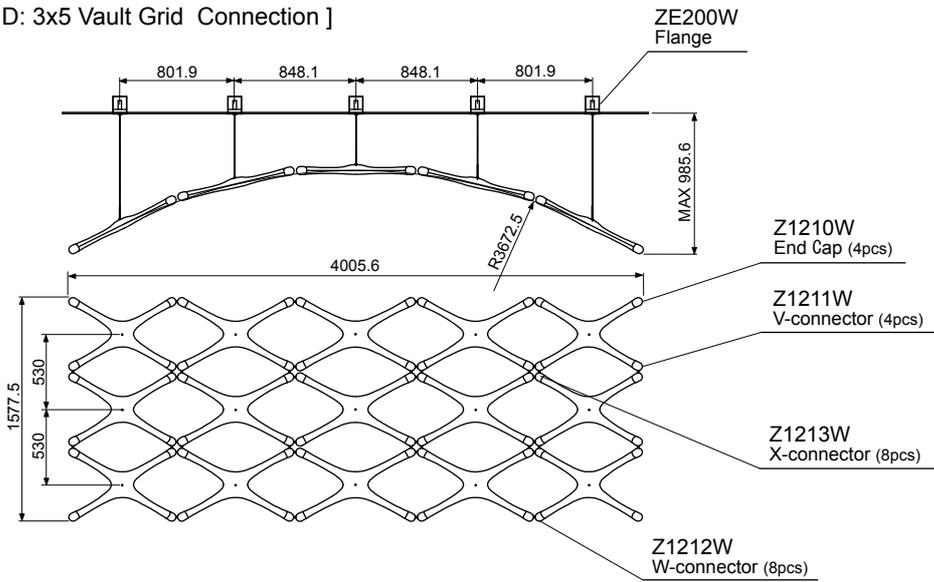
Push up the wire adjusting gear, pull out the wire.

※ After finishing the adjustment, fasten the wire adjusting gear tightly.



Pull the wire straight and let the cord follow accordingly.

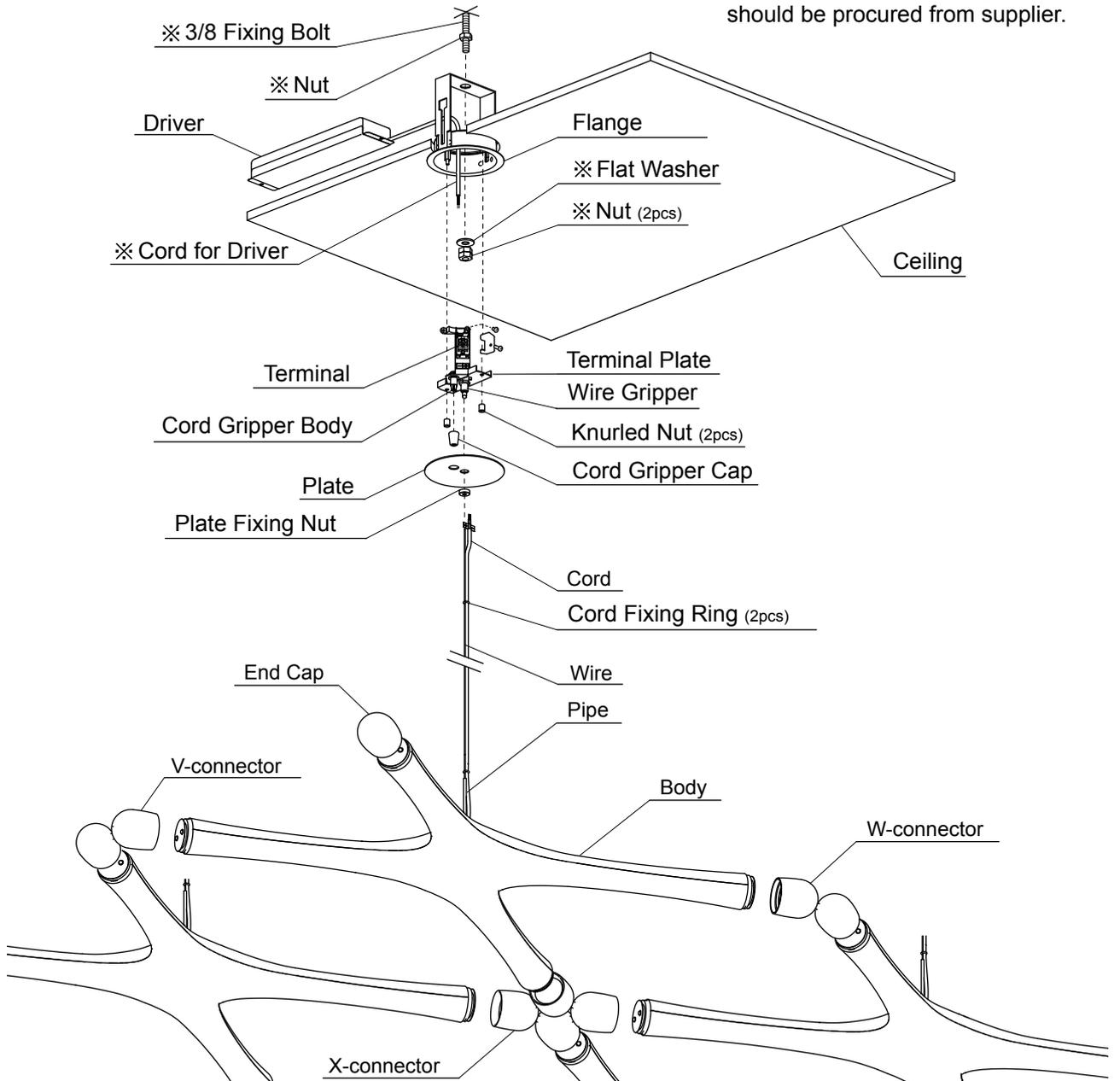
[ D: 3x5 Vault Grid Connection ]



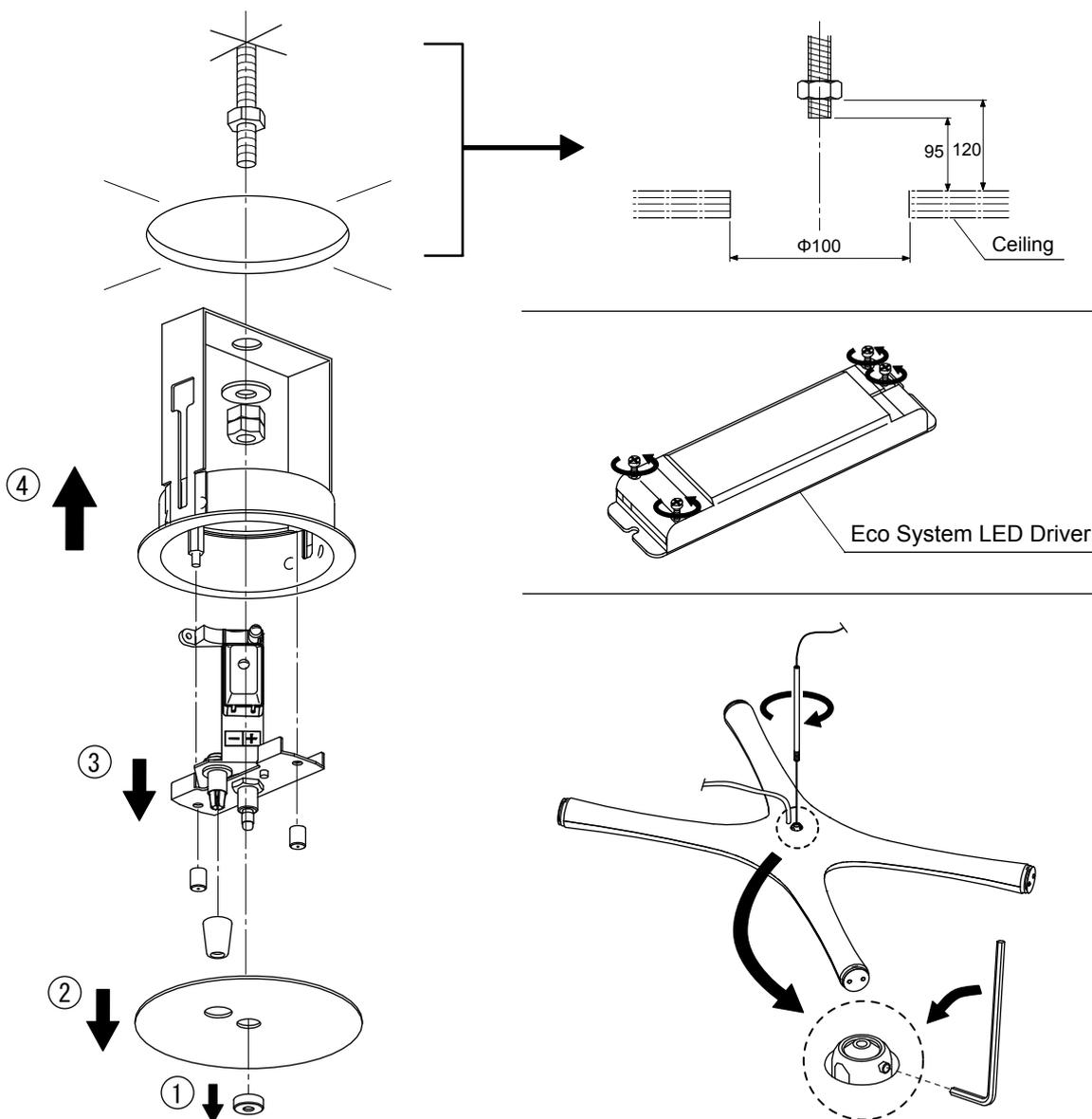
**Parts Descriptions**

■ This illustration is only for reference, some details are not shown.

※ Not included in the package and should be procured from supplier.



# Mounting Instructions



## Power Input & Digital Link Wiring

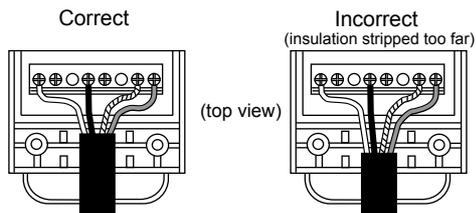
**WARNING** : Shock hazard may result in serious injury or death. Disconnect power before servicing or installing.

For proper wiring, follow wiring schematic on driver label. Torque range on connector screws: 0.45 N · m to 0.50 N · m



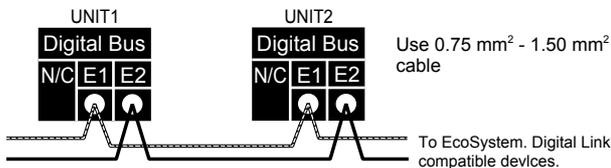
Wire Size	Digital Link Length(max)
2.50 mm <sup>2</sup>	500 m
1.50 mm <sup>2</sup>	300 m
1.00 mm <sup>2</sup>	200 m
0.75 mm <sup>2</sup>	150 m

Ensure outer insulation extends across both rows of strain relief teeth.

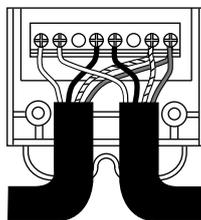
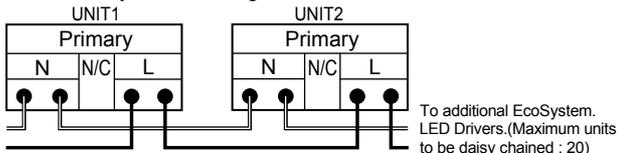


## Daisy Chain Wiring

### EcoSystem. Daisy Chain Wiring



### Power Daisy Chain Wiring



Note:  
For Eco System. daisy chain wiring, terminals can accept two 0.75 - 1.50 mm<sup>2</sup> solid or stranded wires.

Note:  
When placing multiple cables into the same strain relief, all cable outside diameters must be the same.