# PATLITE PATLED'S

**LED Work Light LED-Arbeitsleuchte** Éclairage LED de travail Lampada da lavoro LED Luz de trabajo LED

Installation Manual Installationsanleitung Manuel d'installation Manuale di installazio Manual de instalación

| ation   | Wiring                          |                                                                |
|---------|---------------------------------|----------------------------------------------------------------|
| ation 🔿 | √erkabelung )                   |                                                                |
| ation   | Câblage                         |                                                                |
| zione   | Cablaggio                       |                                                                |
| ación)  | Cableado                        |                                                                |
|         | ation (<br>ation) (<br>zione) ( | ation) (Verkabelung)<br>ation) (Câblage)<br>zione) (Cablaggio) |

GA0001498 01

TYPE CLK-24AG

### Notice to Customer Thank you very much for purchasing our Patlite products.

This product requires installation, wiring, and other related work. Be sure to ask an expert technician to perform these procedures
 This installation manual is intended for the technician who performs the installation and wiring of the product.
 A separate user's manual is provided for customers who operate the product after installation.

|     |                                                                                                                                | provided for customers who operate the product after installation. anual before operating the product.                                                                                                                                                                                                                                                                                                                                         |
|-----|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | 🛦 WARNING                                                                                                                      | Indicates an imminently dangerous condition: failure to follow the instructions may lead to death or<br>serious injury.                                                                                                                                                                                                                                                                                                                        |
|     | <ul> <li>Request the installation and<br/>electric shock, falling, or ma</li> </ul>                                            | l wiring to be accompanied by a professional contractor. If installation is done improperly, it may result in fire,<br>Ifunction.                                                                                                                                                                                                                                                                                                              |
|     |                                                                                                                                | Indicates a potentially dangerous condition: failure to follow the instructions may lead to slight injury or property damage.                                                                                                                                                                                                                                                                                                                  |
|     | <ul> <li>Use a soft cloth dampened</li> </ul>                                                                                  | with water to clean the product. (Do not use thinner, benzine, gasoline or oil.)                                                                                                                                                                                                                                                                                                                                                               |
|     | <ul> <li>Dieses Produkt erfordert Insta</li> <li>Diese Installationsanleitung</li> <li>Für die Kunden, die das Prod</li> </ul> | /ielen Dank, dass Sie unser Patlite-Produkt erworben haben.<br>Illations-, Verkabelungs- und andere Arbeiten. Bitten Sie stets einen erfahrenen Techniker, diese Arbeiten durchzuführer<br>richtet sich an die Techniker, die die Installation und Verkabelung für dieses Produkt ausführen.<br>dukt nach der Installation verwenden, steht eine separate Bedienungsanleitung zur Verfügung.<br>ngsanleitung, bevor Sie das Produkt verwenden. |
|     | 🛦 WARNUNG                                                                                                                      | Weist auf eine unmittelbar gefährliche Situation hin: Die Nichtbefolgung der Anweisungen kann zum Tod oder zu einer schweren Verletzung führen.                                                                                                                                                                                                                                                                                                |
|     |                                                                                                                                | achpersonal um die Ausführung der Installation und Verkabelung. Wenn die Installation nicht ordnungsgemäß<br>zu einem Feuer, Stromschlag, zum Herunterfallen oder zu einer Fehlfunktion führen.                                                                                                                                                                                                                                                |
|     |                                                                                                                                | Weist auf eine potentiell gefährliche Situation hin: Die Nichtbefolgung der Anweisungen kann zu einer leichten<br>Verletzung oder einem Sachschaden führen.                                                                                                                                                                                                                                                                                    |
|     |                                                                                                                                | : Tuch, das mit Wasser angefeuchtet, um ein Produkt zu reinigen.<br>dünner, Benzin, Benzin oder ÖI.)                                                                                                                                                                                                                                                                                                                                           |
| - 1 | A 1 1 1 1                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                |

#### Avis au client Nous vous remercions d'avoir acheté notre produit Patlite.

• Ce produit nécessite une installation, un câblage et d'autres travaux connexes. Assurez-vous de faire appel à un technicien expérimenté pour effectuer ces procédures.

Ce manuel d'installation est destiné au technicien qui effectue l'installation et le câblage de l'appareil.

Un mode d'emploi séparé est fourni aux clients qui utilisent le produit après l'installation Veillez à lire le manuel d'utilisation avant d'utiliser le produit.

### AVERTISSEMENT Indique une situation dangereuse imminente : le non-respect de ces consignes peut entraîner la mort ou des blessures graves. • Demandez à ce que l'installation et le câblage soient effectués en présence d'un professionnel. Si l'installation est réalisée de façon incorrecte. il existe un risque d'incendie, de choc électrique, de chute ou de dysfonctionner

Indique une situation potentiellement dangereuse : le non-respect de ces consignes peut entraîner de légères ATTENTION blessures ou des dommages matériels.

• Utilisez un chiffon doux imbibé d'eau pour nettoyer le produit. (N'utilisez pas de diluant, d'essence, d'essence ou d'huile.)

### Avviso al cliente Grazie per aver acquistato il nostro prodotto Patlite.

• Questo prodotto richiede l'installazione, il collegamento elettrico e altri lavori. Assicurarsi di chiedere a un esperto tecnico di eseguire questi lavori. Questo manuale di installazione deve essere utilizzato dal tecnico che esegue l'installazione e il cablaggio elettrico del prodotto
 Un manuale dell'utente separato è fornito per i clienti che utilizzano il prodotto dopo l'installazione.
 Assicurarsi di legorere il manuale dell'utente che utilizzano in prodotto dopo l'installazione.

| Associatist di leggere il mandale dell'diente prima di mettere in funzione il prodotto.                                                                                                |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|
| AVVERTENZA Indica un'imminente situazione di pericolo: il mancato rispetto delle istruzioni potrebbe causare la morte o lesioni gravi.                                                 |  |  |  |  |  |  |
| Richiedere l'installazione e il cablaggio ad un professionista. Se l'installazione è eseguita in modo errato, può provocare un incendio, scosse elettriche, cadute o malfunzionamenti. |  |  |  |  |  |  |
| ATTENZIONE Indica una potenziale situazione di pericolo: il mancato rispetto delle istruzioni potrebbe causare lesioni leggere o danni materiali.                                      |  |  |  |  |  |  |
| • Utilizzare un panno morbido inumidito con acqua per pulire il prodotto. (Non usare diluente, benzina, benzina, o olio.)                                                              |  |  |  |  |  |  |

Aviso al cliente Gracias por adquirir nuestro producto Patlite.

Este producto requiere instalación, cableado y otros trabajos relacionados. Asegúrese de solicitar a un técnico experto la realización de estos procedimientos.
 Este manual de instalación ha sido elaborado para el técnico que lleva a cabo la instalación y el cableado del producto.
 Se proporciona por separado un manual del usuario para los clientes que usarán el producto después de la instalación. Asegúrese de leer el manual del usuario antes de utilizar el producto.

| Abegurese de leer et manad                                                                                          |                                                                                                                                                                                                                                   |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| 🛦 Advertencia                                                                                                       | ADVERTENCIA Indica una condición de riesgo inminente: no observar estas instrucciones podría causar lesiones graves<br>o incluso la muerte.                                                                                       |  |  |  |  |  |
|                                                                                                                     | • Solicite que la instalación y el cableado sean realizados por un contratista profesional. Si la instalación se realiza de forma incorrecta, podría causar incendios, descargas eléctricas, caídas o un fallo de funcionamiento. |  |  |  |  |  |
|                                                                                                                     |                                                                                                                                                                                                                                   |  |  |  |  |  |
| \land ATENCIÓN                                                                                                      | Indica una situación potencialmente peligrosa: no observar estas instrucciones podría causar lesiones leves o<br>daños materiales.                                                                                                |  |  |  |  |  |
| Utilice un paño suave humedecido con agua para limpiar el producto. (No use diluyente, bencina, gasolina o aceite). |                                                                                                                                                                                                                                   |  |  |  |  |  |
|                                                                                                                     |                                                                                                                                                                                                                                   |  |  |  |  |  |

### To Installers or Contractors

Read this manual thoroughly before using this product to ensure correct use.
 If there are any questions concerning this product, refer to the contact information at the end of this manual and contact your nearest PATLITE

### Für Installateure und Fachpersonal

Lesen Sie diese Anleitung sorgfältig, bevor Sie dieses Produkt verwenden, um die ordnungsgemäße Verwendung zu gewährleisten.
Wenn Sie irgendwelche Fragen zu diesem Produkt haben, verwenden Sie die Kontaktinformationen am Ende dieser Anleitung und wenden Sie sich an Ihren nächstgelegenen PATLITE-Vertriebsmitarbeiter.

#### Aux installateurs ou aux entrepreneurs

 Lisez attentivement ce manuel avant d'utiliser ce produit pour garantir une utilisation correcte Si vous avez des questions concernant ce produit, reportez-vous aux coordonnées figurant à la fin de ce mode d'emploi de l'appareil et contactez votre représentant de vente PATLITE le plus proche.

### Per gli installatori o gli appaltatori

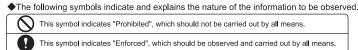
Leggere attentamente il manuale prima di utilizzare questo prodotto per garantirne un uso corretto.
Se vi sono domande riguardanti questo prodotto, fare riferimento alle informazioni di contatto alla fine di questo manuale e contattare il più vicino rappresentante di vendita PATLITE

### Para instaladores o contratistas

Lea atentamente este manual antes de utilizar este producto para asegurar un uso correcto.
 Si tiene preguntas relacionadas con este producto, consulte la información de contacto que se encuentra al final de este manual y póngase en contacto con su representante de ventas PATLITE más cercano.

**1** Safety Precautions

In order to prevent any damage to the user and other personnel or to assets, note the following:



This symbol indicates "Enforced", which should be observed and carried out by all means.

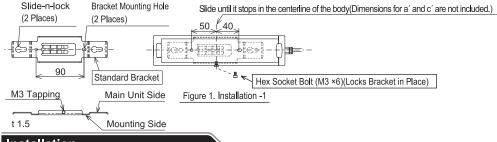
## 🛕 Warning

| 2-2. Model List                                                                                                         |                                                                                             |                |                                 | 1                                        |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------|---------------------------------|------------------------------------------|
| AGT<br>CLK2S-24AG-CD                                                                                                    | уре                                                                                         | Cable<br>500mm | Bracket<br>1                    | 4                                        |
| CLK3S-24AG-CD                                                                                                           | CLK3S-24AG-CN                                                                               | 500mm          | 1                               | 1                                        |
| CLK3C-24AG-CD<br>CLK3CL-24AG-CD                                                                                         | CLK3C-24AG-CN                                                                               | -              |                                 |                                          |
| CLK6S-24AG-CD                                                                                                           | _                                                                                           | 500mm          | 2                               | -                                        |
| CLK6C-24AG-CD                                                                                                           | -                                                                                           | -              |                                 |                                          |
| CLK6CL-24AG-CD                                                                                                          | —                                                                                           | -              |                                 | 1                                        |
| The following is indicated                                                                                              | below for the model prefixe                                                                 | S              |                                 | -                                        |
| Side-exiting Cable: □S<br>M12 Connector: □C<br>M12 Daisy Chain Link: □CL                                                | Body - Aluminum Alloy,                                                                      | Lens-Temp      | pered Glass: AG                 |                                          |
| 2-3. Enclosure                                                                                                          |                                                                                             |                |                                 |                                          |
| CLK S-24AG-                                                                                                             | Body(Cable with Cable G<br>Hex Socket Bolt, User's M<br>Body (with M12 Plug), Sta           | lanual         |                                 |                                          |
| CLK C-24AG-                                                                                                             | Hex Socket Bolt, User's N                                                                   |                | ckel,                           |                                          |
| CLK CL-24AG-                                                                                                            | Body (with M12 Plug and<br>Hex Socket Bolt, User's M                                        |                | tandard Bracket,                |                                          |
| <ul> <li>A cable is not attached to mod<br/>Recommended Product : Phoe</li> <li>For the 600 mm length models</li> </ul> | nix Contact Corp. Number: 1668<br>Number: 166                                               | 8360, Part N   | umber: SAC-4P-M12               | MS/0,6-PUR/M12FS                         |
| Part Names and I                                                                                                        | Dimensions 🛛 🛰                                                                              |                |                                 |                                          |
| 3-1. Part Names and Dimer                                                                                               |                                                                                             |                | (Unit : mm)                     |                                          |
| ◆ □S (Side-exiting Cable) S                                                                                             | Series<br>cannot be connected as der                                                        | nicted in se   | ction                           |                                          |
| "4-4. Figure 8. CL Ser                                                                                                  |                                                                                             | Jicleu III se  | CION                            |                                          |
| Ма                                                                                                                      | in Unit Body Lens                                                                           | 0              | blo                             |                                          |
|                                                                                                                         | In Unit Body Lens                                                                           | Ca             | able                            |                                          |
|                                                                                                                         | •                                                                                           |                | •                               |                                          |
| P] [4                                                                                                                   |                                                                                             | ¥₽ \           | (1)<br>(1)                      |                                          |
|                                                                                                                         | g Hole / [a'] Cable Glan                                                                    |                |                                 |                                          |
| 200111                                                                                                                  | · · ·                                                                                       | -              | e AWG22/2Lea                    | d                                        |
| ◆ □C (M12 Connector) Seri                                                                                               |                                                                                             |                | 500mm                           | d                                        |
| → Power supply can be on<br>When an application re                                                                      | onnected in the M12 conne<br>equires linking, it is necessa<br>-4. Figure 8. "CL Series Wir | ry to conne    | ect a link terminal             |                                          |
|                                                                                                                         | 5                                                                                           |                | •                               |                                          |
|                                                                                                                         |                                                                                             |                | ۲                               |                                          |
|                                                                                                                         |                                                                                             | JI (LE         | ۲                               |                                          |
|                                                                                                                         | [a'] M12 Plu                                                                                | g              |                                 |                                          |
|                                                                                                                         | etween other units by linking                                                               |                |                                 |                                          |
| with the C Series. Ref                                                                                                  | er to 4-4. Figure 8. "CL Seri                                                               | ies Wiring     | ∟xample.″                       |                                          |
|                                                                                                                         |                                                                                             |                | •                               |                                          |
| [c´] M12 Socket                                                                                                         |                                                                                             |                | ۲                               |                                          |
| (Daisy Chain Li                                                                                                         | nk) [a´] M12 P <b>l</b> u                                                                   | a /            |                                 |                                          |
| Common Backplate Parts                                                                                                  |                                                                                             | <u> </u>       |                                 |                                          |
| <b>▲</b> Caution                                                                                                        |                                                                                             |                |                                 | -                                        |
|                                                                                                                         | or remove the Bracket Hook.                                                                 | Failure to c   | omply will result in a          | a decrease in waterproofing performance. |
| [Prohibited]                                                                                                            |                                                                                             |                |                                 |                                          |
| (                                                                                                                       | Bracket Hook Rub                                                                            | ber Space      | rs                              |                                          |
|                                                                                                                         |                                                                                             | T)p            |                                 |                                          |
|                                                                                                                         | g Hole                                                                                      | ED [Pro        | hibited]                        |                                          |
| С                                                                                                                       | B                                                                                           |                | А                               |                                          |
| K¥                                                                                                                      |                                                                                             |                | *                               |                                          |
|                                                                                                                         |                                                                                             |                |                                 |                                          |
| ų.                                                                                                                      |                                                                                             |                | () [ 22 ( ) [ 22 ( ) [ 22 ( ) ] |                                          |
| $T \square \Lambda$                                                                                                     |                                                                                             |                | ±j_↓ ∖⊜∤                        |                                          |
| [c´] [b´] î` <u>Lo</u>                                                                                                  | ocking Hole                                                                                 | [6             | á]                              |                                          |
| Table1. Dimensio                                                                                                        | ns                                                                                          |                | 23                              |                                          |
| Model                                                                                                                   | DimensionC Dimension                                                                        | onB Din        | nensionA                        |                                          |
| Woder                                                                                                                   | c' b'                                                                                       |                | a'                              |                                          |

| Model         | DimensionC | DimensionB | DimensionA |
|---------------|------------|------------|------------|
| woder         | C'         | b'         | a'         |
| CLK2S-24AG-   | -          | 250        | (15)       |
| CLK3S-24AG-   | -          | 350        | (15)       |
| CLK3C-24AG-□  | -          | 350        | (13)       |
| CLK3CL-24AG-□ | (12)       | 350        | (13)       |
| CLK6S-24AG-□  | -          | 650        | (15)       |
| CLK6C-24AG-□  | -          | 650        | (13)       |
| CLK6CL-24AG-  | (12)       | 650        | (13)       |

### Standard Bracket (All Models)

Specifications for the lens lengths of 200 mm and some 300mm include one Standard Bracket per unit, and for the 600mm lengths, two Standard Bracket sets are included. [Refer to 4-3. Mounting Method]]



### 4 Installation

4-1. Installation Location

 $\bigcirc$ 

• Do not disassemble or modify this product. Failure to comply may result in electric shock or fire.

Prohibited]

# 0

• Request the installation and wiring to be accompanied by a professional contractor. Failure to comply may result in electric shock, fire, or falling from high places.

[Enforced] • When this product is used for security purposes, it should be inspected daily, and to be used in conjunction with other security products, in case a malfunction should occur.

### **▲**Caution



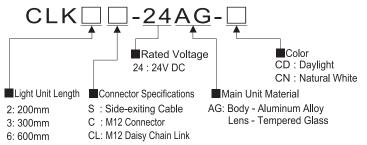
In order to avoid danger to the eyes, do not stare into the beam, do not view directly into the optical instrument, and don't turn the beam towards someone's eyes. The LED beam is hazardous to the eyes.
 Prohibited] Do not loosen any body screws. It will have an adverse effect on the protection rating.

Verify that the specified operating voltage is not exceeded.
 Avoid installation in the following locations:

- [Enforced]
  - Near space heaters or places where high temperatures are present. In locations where chemical or explosive gasses, etc., are present.

### **2** Model Number Configuration

### 2-1. Model Number Configuration



### A Warning



After installing this product, be careful not to use this product to climb onto a machine, or to get anything snagged onto this product while it is mounted on equipment, etc. Failure to comply may result in falling off the machinery or product damage may occur.

[Enforced]

 To prevent from electrocution, disconnect power prior to mounting or performing maintenance.
 Verify the installation location is a firm location which can handle the weight of the product and has no adverse vibrations. If installed in a place where vibration is frequent and/or exceeds the specifications damage to the product may occur.

The designated screws should be used for installation. Any parts used that are not specified may result in product damage or personal injury.

### **Caution**

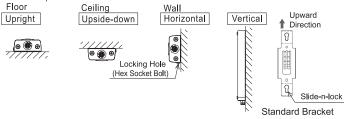


Ensure this product is securely mounted, to prevent from falling, etc.
 This product is for indoor use only. (Not for outdoor use)
 Use protection to secure the standard bracket when mounting in a vertical direction.

### 4-2. Mounting Direction - All Models

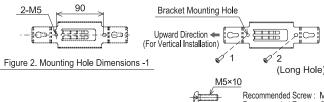
- All Models; The attachment direction common to all the models is shown.
  Beware of the following:

  To prevent liquid to accumulate, install with the "Locking Hole" in the downward direction, when level.
  Mount the Standard Bracket in the direction indicated in the following figures to prevention from falling. (When Vigital) Vertical)



#### 4-3. Mounting Method

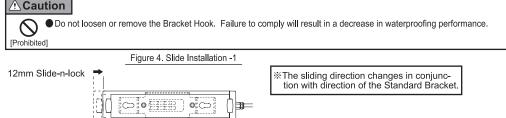
- Specifications for the lens lengths of 200 mm and 300mm include one Standard Bracket per unit, and for the 600mm lengths, two Standard Bracket sets are included. Moreover, when sliding the Main Unit onto the Standard Bracket, allow a clearance of at least 12mm on both ends to
- allow attachment and removal. Refer to Figure 4. "Slide Installation -1" and Figure 7. "Slide Installation -2." When connecting several units for the CL (M12 Daisy Chain Link) Series, be sure to connect the maximum number of links. Refer to "4-4. CL (M12 Daisy Chain Link) Series Cautionary Notes" to verify the number of links to use.
- Lens Length: 200mm and 300mm (One Standard Bracket per unit included)
- ① Mounting Hole Dimensions and Standard Bracket Mounting (Recommended)
- Ensure the Standard Bracket is attached to a flat and sturdy surface before making any holes for installation. M5 screw is bolted in the sequence of 1 then 2 (longer hole, first) as shown in the figure below when the Standard Bracket is fixed into place. The recommended torque for the M5 screw is 2.8 N·m. More importantly, the body cannot be attached if the screw head is larger than 4 mm.

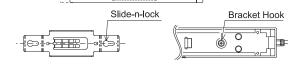


(Long Hole) Recommended Screw : M5×10 Recommended Torque: 2.8 N·m 4 or less

Figure 3. Standard Bracket Mounting

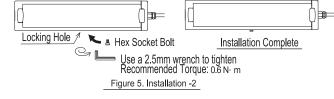
- (2) Main Unit Installation
- After attaching the Standard Bracket, the Main Unit is attached. Insert the "Bracket Hook " in the back of the Main Unit and insert it into the "Slide-n-lock" holes of the bracket, then slide the Main Unit until the "Locking Hole" of the Main Unit is alligned with the "M3 tapping" for the Standard Bracket.





(3) Hex Socket Bolt Lock-down

Use the "M3 tapping" Hex Socket Bolt to lock the Standard Bracket into place. This prevents the Body from unattaching from the Standard Bracket. Tighten with a torque of about 0.6N·m.

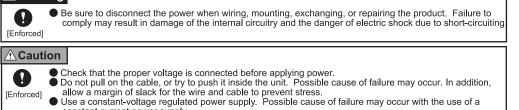


- Lens Length: 600mm (Two Standard Brackets per unit included)
- (1) Ensure the Standard Bracket is attached to a flat and sturdy surface before making any holes for installation. Using an M5 screw,refer to "Figure 6. Mounting Hole Dimensions -2" and "Figure 3. Standard Bracket Mounting" to mount in place.Tighten the M5 screw with a torque of about 2.8 N·m.
- 2 After attaching the Standard Bracket, the Body is attached. Insert the "Bracket Hook" in the back of the Main Unit and insert it into the "Slide-n-lock" holes of the bracket, then slide the Main Unit until the "Locking Hole" of the Main Unit is alligned with the "M3 tapping" for the Standard Bracket.
- ③ Use the "M3 tapping" Hex Socket Bolt to lock the Standard Bracket into place. This prevents the Body from unattaching from the Standard Bracket. Tighten with a torque of about 0.6 N·m.

① Mounting Hole Dimensions and Standard Bracket Mounting (Recommended) Slide until it stops in the centerline of the body (Dimensions for a and c are not included.) 300 90 100 4-M5 Install (c>∛∰B) œ∙∮**II**B) Upward + brackets Direction evenly Same Direction (For Vertical Installation) **∧** Caution Figure 6. Mounting Hole Dimensions -2 Attach the two Standard Brackets evenly for installation Enforced1 ② 600mm Main Unit Installation and Hex Socket Bolt Lock-down **▲**Caution \*The sliding direction changes • Do not loosen or remove the Bracket Hook. Failure to comply will result in conjunction with direction of the Standard Bracket. in a decrease in waterproofing performance Prohibited] 12mm Slide-n-lock Recommended Screw (M5) o i HBB 0 0/33# 0 K 📱 Hex Socket Bolt **K**., 0 Use a 2.5mm wrench to tighten (2 places) Recommended Torque: 0.6 N m Figure 7. Slide Installation -2 4-4. CL (M12 Daisy Chain Link) Series Cautionary Notes

### 5 Wiring and Proper Use

### 🛕 Warning

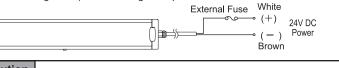


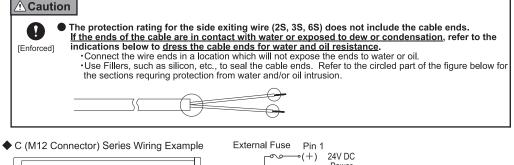
- Install a fuse to protect it from the power supply. The product can be protected by short-circuiting due to mis-wiring and overcurrents or overvoltages which can damage it.

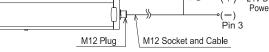
The suitability of the luminaire supply connections shall be determined in the end use product. (C and CL Series) 5-1. Wiring

- Use a UL authenticated Class 2 power supply unit to connect power to this product. The power supply unit is constant
- voltage typ
- This product contains a 2A (slow-blow) fuse inside. Use an external fuse rated for the machine, which is connected to the product, to protect the machine from damage

S (Side-exiting Cable) Series Wiring Example

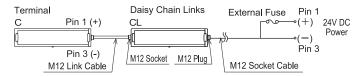






When using the recommended M12 socket cable "4-wire M12 socket cable-5m", the power connections are: Brown (+) / Blue (-)

- CL (M12 Daisy Chain Link) Series Wiring Example
- The link terminal for the product should use the □C (M12 Connentor ) Series.



% When using the recommended M12 socket cable "4-wire M12 socket cable-5m", the power connections are: Brown (+) / Blue (-).

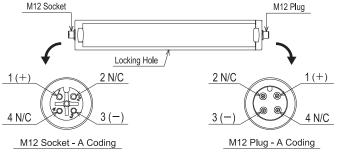
- Link Connection Current Rating
- Calculate the total current by adding the current rating for each link connected. Refer to the rated current consumption in "7. Specifications.
- Be sure to use maximum number of links as calculated in the figure below. Refer to "Table 2. Maximum Links" for 4-4. CL (M12 Daisy Chain Link) Series connections. <Example> Refer to the data for "Combination ii" in "Table 2. Maximum Link" to look up the current ratings for the
- following models. iov Chain Linka: 20L v1 Linit + 60L v1 Linit - 2009mA

| 16 | Terminal Links: 3C×1 Unit; Daisy Chain Links: 3CL×1 Unit + 6CL×1 Unit = 2088mA |          |                   |   |               |  |                     |
|----|--------------------------------------------------------------------------------|----------|-------------------|---|---------------|--|---------------------|
| Γ  | Terminal Link                                                                  |          | Daisy Chain Links |   |               |  | Daisy Chain Link    |
| L  |                                                                                |          |                   |   |               |  | Current Consumption |
| 3  | C×1 unit                                                                       | <b>.</b> | 3CL×1 unit        |   | 6CL×1 unit    |  | 2088                |
| 5  | 22mA×1 unit                                                                    | +        | 522mA×1 unit      | + | 1044mA×1 unit |  | 2088mA              |
| _  | * When using the Optional Cable, a voltage drop will cause the Daisy           |          |                   |   |               |  |                     |

Chain Link Current Consumption to decrease.

M12 Connector

C (M12 Connector) Series and CL (M12 Daisy Chain Link) Series Wiring



※ The C (M12 Connector) Series does not include an M12 Socket part.

- 5-2. Operation
- Referring to section "5-1. Wiring" above, by applying 24V DC, the LED will turn on.
- ※ LED's will start to light-up when 0.1mA or more is applied.

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• When linking together, there is a restriction on the maximum number of links. Be sure to use it within the Ω maximum number of links. Refer to "Table 2. Maximum Links." Exceeding the number of maximum links can cause failure. [Enforced]

Linking this product requires "C (M12 Connector ) Series" as the terminal link.

• When installing with option parts "M12 link-cable 4-wire 0.6m" side-by-side, a gap between the ends of the Body requires a distance from 150mm to 600mm. Refer to "Figure 8. CL Series Wiring Example."

To the customer; be sure the cable is installed with the distance between products set by the corresponding cable.

※ Refer to "5-1. Wiring" for the Daisy Chain Link connection wiring example for the "CL Series."

Table 2. Maximum Links

|              | Termin   | al Links | Daisy          | Chain | Maximum     |
|--------------|----------|----------|----------------|-------|-------------|
| Combinations | per unit |          | Links per unit |       | Connections |
|              | 3C       | 6C       | 3CL            | 6CL   | per unit    |
| i            | 1        | -        | 1-4            | -     | 5           |
| ii           | 1        | -        | 1-2            | 0-1   | 4           |
| iii          | 1        | -        | -              | 1-2   | 3           |
| iv           | -        | 1        | 1-3            | -     | 4           |
| v            | -        | 1        | 0-1            | 1     | 3           |

% Refer to "Table 2. Maximum Links" for the maximum number of links. Be sure to use maximum number of links as depicted in "Figure 8. CL Series Wiring Example" below. Exceeding the number of maximum links can cause failure.



% When installing with option parts "M12 link-cable 4-wire 0.6m" side-by-side, a gap between the ends of the body requires a distance from 150mm to 600mm