

LED Work Light

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

- Installation Wiring
- Installation Verkabelung
- Installation Câblage
- Installazione Cablaggio
- Instalación Cableado



TYPE CWK

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. Be sure to read the user's manual before operating the product.

**WARNING** Indicates an imminently dangerous condition: failure to follow the instructions may lead to death or serious injury.

- Request the installation and wiring to be accompanied by a professional contractor. If installation is done improperly, it may result in fire, electric shock, falling, or malfunction.

**CAUTION** Indicates a potentially dangerous condition: failure to follow the instructions may lead to slight injury or property damage.

Hinweis an den Kunden Vielen Dank, dass Sie unser Patlite-Produkt erworben haben.

- Dieses Produkt erfordert Installations-, Verkabelungs- und andere Arbeiten. Bitten Sie stets einen erfahrenen Techniker, diese Arbeiten durchzuführen.
- Diese Installationsanleitung richtet sich an die Techniker, die die Installation und Verkabelung für dieses Produkt ausführen.
- Für die Kunden, die das Produkt nach der Installation verwenden, steht eine separate Bedienungsanleitung zur Verfügung. Lesen Sie stets die Bedienungsanleitung, bevor Sie das Produkt verwenden.

**AVVERTISSEMENT** Veist auf eine unmittelbar gefährliche Situation hin: Die Nichtbefolgung der Anweisungen kann zum Tod oder zu einer schweren Verletzung führen.

- Bitten Sie professionelles Fachpersonal um die Ausführung der Installation und Verkabelung. Wenn die Installation nicht ordnungsgemäß ausgeführt wird, kann dies zu einem Feuer, Stromschlag, zum Herunterfallen oder zu einer Fehlfunktion führen.

**VORSICHT** Weist auf eine potentiell gefährliche Situation hin: Die Nichtbefolgung der Anweisungen kann zu einer leichten Verletzung oder einem Sachschaden führen.

Avvis 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. Veuillez 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 dysfonctionnement.

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

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 leggere il manuale dell'utente 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.

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.

**ADVERTENCIA** Indica una condición de riesgo inminente: no observar estas instrucciones podría causar lesiones graves 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.

**ATENCIÓN** Indica una situación potencialmente peligrosa: no observar estas instrucciones podría causar lesiones leves o daños materiales.

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 Sales Representative.

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

The following symbols indicate and explains the nature of the information to be observed.

- This symbol indicates "Prohibited", which should not be carried out by all means.
- This symbol indicates "Enforced", which should be observed and carried out by all means.

Warning

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

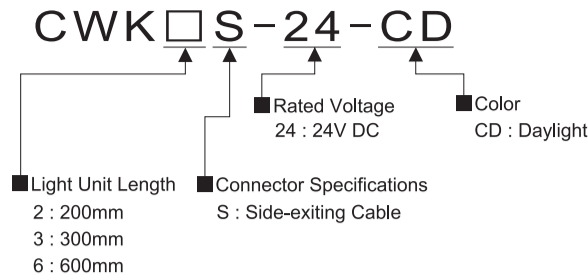
- Be sure to disconnect the power when wiring, mounting, exchanging, or repairing the product. Failure to comply may result in damage of the internal circuitry and the danger of electric shock due to short-circuiting.
- Request the installation and wiring to be accompanied by a professional contractor. Failure to comply may result in electric shock, fire, or falling from high places.
- 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.
- 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

- 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.
- 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.
- For safety measures, be sure to connect an external fuse to protect from overcurrents or overvoltages from mis-wiring, etc. The product can be protected by short-circuiting due to mis-wiring and overcurrents or overvoltages which can damage it.
- Avoid installation in the following locations:
  - Near space heaters or places where high s are present.
  - In locations where chemical or explosive gasses, etc., are present.

2 Model Number Configuration

2-1. Model Number Configuration

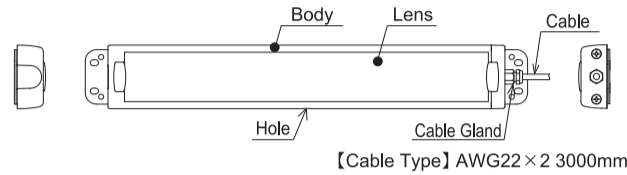


2-2. Model List / Accessory

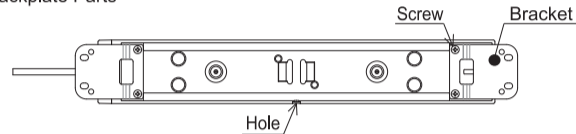
CWK□S-24-CD	Body (Cable with Cable Gland) Bracket , M4 × 8 Screw, Instruction Manual
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3 Part Names and Dimensions

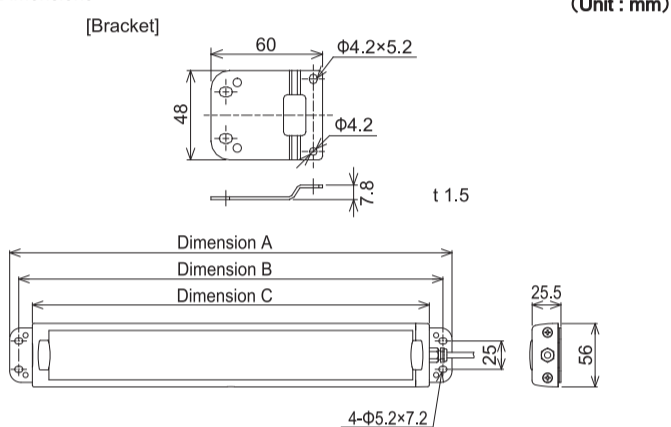
3-1. Part Names and Dimensions



Backplate Parts



Dimensions



[Table1. Dimensions]

Model	Dimension A	Dimension B	Dimension C
	Full Length	Mounting Pitch	Body Length
CWK2S-24-CD	290	274	250
CWK3S-24-CD	390	374	350
CWK6S-24-CD	690	674	650

4 Installation

4-1. Installation Location

- Suitable for wet or damp location.

Warning

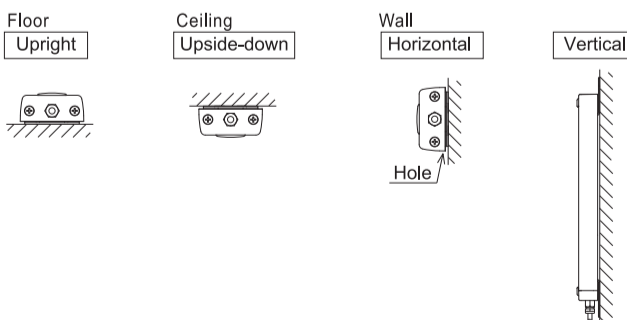
- Do not modify or disassemble the product. Failure to comply may result in electric shock or fire.
- After installing this product, be careful not to use this product to climb onto a machine, or to get anything snagged onto this product while it is mounted on equipment, etc. Failure to comply may result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

4-2. Mounting Direction

- The attachment direction common to all the models is shown.
- Beware of the following:  
To prevent liquid to accumulate, install with the "Hole" in the downward direction. (When Horizontal)



PATLITE Corporation

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- PATLITE Corporation ※Head office <https://www.patlite.com/>
- PATLITE (U.S.A.) Corporation <https://www.patlite.com/>
- PATLITE Europe GmbH ※Germany <https://www.patlite.eu/>
- PATLITE (SINGAPORE) PTE LTD <https://www.patlite.com/>
- PATLITE (CHINA) Corporation <https://www.patlite.cn/>
- PATLITE KOREA CO., LTD. <https://www.patlite.co.kr/>
- PATLITE TAIWAN CO., LTD. <https://www.patlite.tw/>
- PATLITE (THAILAND) CO., LTD. <https://www.patlite.co.th/>
- PATLITE MEXICO S.A. de C.V. <https://www.patlite.com.mx/>





## 4 取付け Installation

### 4-1. 取付場所 Installation Location

- 屋内で防水の求められる用途でご使用可能です。
- Waterproofing for indoor applications is possible.

#### 警告

- 製品の分解・改造をしないでください。感電・火災などの危険があります。
- 本製品を機械や装置等に取り付けた後、本製品を掴んで登ったり、機械や装置の部品等を本製品に引っ掛けたりしないよう十分注意してください。転倒・落下などの原因となり非常に危険です。

- 取り付け、保守の際は、感電防止のため必ず電源をお切りください。
- 設置、取付場所の強度を十分にお確かめください。ぐらつく場所や傾いた状態で設置すると部品に無理な力がかかり、落下や破損することがあります。
- 取付ねじなどは、指定されたものを使用してください。指定以外の部品を使用すると落下などの事故の原因となります。
- 製品出荷時は、角度固定ねじA, Bは仮止めです。本書に従って締め付けてください。

#### Warning

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

- Be sure to turn off the power to prevent from electric shock before performing any 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.
- Only use the designated mounting screws. Any parts used that are not specified may result in product damage or personal injury.
- Screws "A" and "B" for the angle bracket are loosely tightened at the time of shipment. Be sure to properly tighten as recommended in this manual.

#### 注意

- 取り付けの際は、製品の落下等に十分注意しておこなってください。
- 本製品は、屋内のみ使用可能です(屋外不可)。

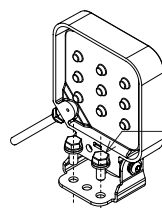
#### Caution

- Be careful to properly install the product to prevent it from falling, etc.
- This product is designed for indoor use only (Not for outdoor Use).

### 4-2. 取付方法 Mounting Method

#### ● Tタイプ T Type

##### 1. チルトブラケット取付け Tilt-bracket Attachment

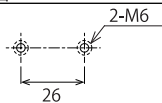


推奨ねじ  
Recommended Screw M6×15  
推奨締付けトルク  
Recommended Bolt Torque 4.8N・m

十分に強度のある平坦な取り付け面にねじ孔加工後、本体を取り付けます。左図のように本体をM6ねじ(2箇所)で取り付けてください。

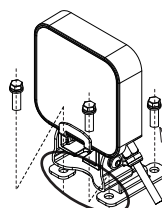
Install the body onto a flat and sturdy surface after making holes for installation. Attach the body, as shown in the left figure, with M6 screws (two places).

#### 取付面寸法図 Installation Dimensions



#### ● PTタイプ PT Type

##### 1. パンブラケット取付け Pan-bracket Attachment

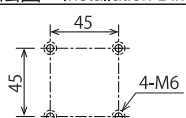


推奨ねじ  
Recommended Screw M6×15  
推奨締付けトルク  
Recommended Bolt Torque 4.8N・m

十分に強度のある平坦な取り付け面にねじ孔加工後、本体を取り付けます。左図のように本体をM6ねじ(4箇所)で取り付けてください。取り付けの際はチルトブラケットを適宜調節してください(左図丸部)。

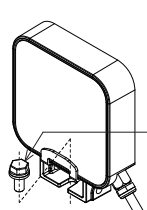
Install the body onto a flat and sturdy surface after making holes for installation. Attach the body, as shown in the left figure, with M6 screws (four places). When attaching, adjust the tilt bracket to the suitable position (Refer to circled part on left figure).

#### 取付面寸法図 Installation Dimensions



#### ● 共通(ブラケットなし) Common Attachment (No Bracket)

##### 1. ボディ直接取付け Direct-body Attachment

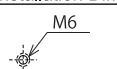


推奨ねじ  
Recommended Screw M6×15  
推奨締付けトルク  
Recommended Bolt Torque 4.8N・m

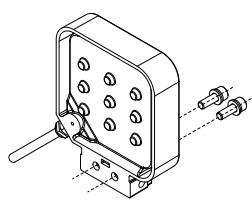
十分に強度のある平坦な取り付け面にねじ孔加工後、本体を取り付けます。左図のように本体をM6ねじ(1箇所)で取り付けてください。

Install the body onto a flat and sturdy surface after making holes for installation. Attach the body, as shown in the left figure, with the M6 screw (one place).

#### 取付面寸法図 Installation Dimensions



##### 2. 背面取付け Rear Attachment

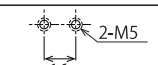


#### 推奨ねじ寸法図 Recommended Screw Dimensions



ΦDは10mm以下  
ΦD is 10 mm or less.

#### 取付面寸法 Installation Dimensions



推奨ねじ  
Recommended Screw M5×15  
推奨締付けトルク  
Recommended Bolt Torque 2.8N・m

### 4-3. 調整角の固定(Tタイプ, PTタイプ) Fixing of the Adjustment Angle (T Type, PT Type)

調整角を決定後「角度固定ねじA, B」を固定します。

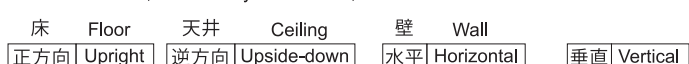
- 角度固定ねじA  
3mm六角レンチにて締付けてください(2箇所)。  
推奨締付けトルクは2.8N・mです。
- 角度固定ねじB  
M6六角ボルト(対辺10mm)を締付けてください(2箇所)。  
推奨締付けトルクは4.8N・mです。

After setting the adjustment angle, tighten fixing screws "A" and "B"

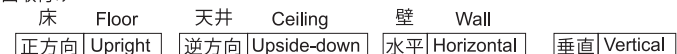
- Angle fixed screw "A"  
Use a 3mm hexagonal wrench (two places) to tighten with.  
Recommended Torque is 2.8 N-m.
- Angle fixed screw "B"  
Tighten the two M6 hexagon-bolt (opposite side 10 mm).  
Recommended Torque is 4.8 N-m.

### 4-4. 取付方向 Mounting Direction

- チルトブラケット取付け, パンブラケット取付け, ボディ直接取付け  
Tilt-bracket Attachment, Direct-body Attachment, Pan-bracket Attachment



#### ● 背面取付け



## 5 配線・使用方法 Wiring and Proper Use

#### 警告

- 配線、設置、交換、補修の際は、必ず電源をお切りください。ショートによる内部回路の焼損や感電の危険があります。

#### Warning

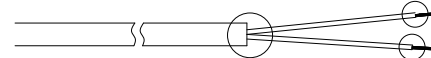
- Be sure to disconnect the power when wiring, mounting, exchanging, or repairing the product. Failure to comply may result in damage of the internal circuitry and the danger of electric shock due to short-circuiting.

#### 注意

- 使用電圧を間違えないよう確かめてから使用してください。
- ケーブルは引っ張ったり、押し込んだりしないでください。故障の原因となります。また、ケーブルにはストレスがかからないよう余裕を持たせて配線してください。
- 定電圧型の電源を使用してください。定電流型の電源を使用した場合、故障の原因となります。
- 電源接続には保護用ヒューズ(外部)を入れてください。配線間違いなど万一の場合に電源や配線回路の焼損が防げます。
- シールド線を接地しないでください。ケーブルを加工した場合、不要なシールド線は除去してください。
- 保護等級は、ケーブル先端部を除きます。ケーブル先端部に水などがかる場合やケーブル先端部が結露環境にある場合は、以下のような方法を参考に、ケーブル先端部に防水・防油処理してください。
  - ・ケーブル先端部を、水・油のかからない場所に配線します。
  - ・ケーブル先端部を、充填剤(シリコンなど)で塞ぎます。
 ケーブル先端部は、下記Caution下図の丸部です。

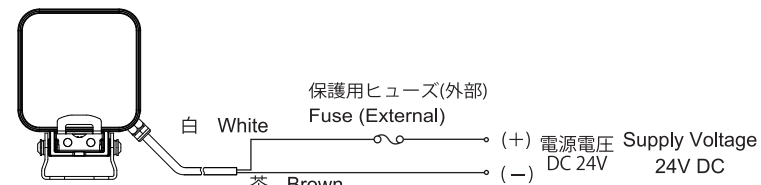
#### Caution

- Check that the proper voltage is connected before applying power.
- Do not pull on the cable, or try to push it inside the unit. Possible cause of failure may occur. In addition, allow a margin of slack for the wire and cable to prevent stress.
- Use a constant-voltage regulated power supply. Possible cause of failure may occur with the use of a constant current power supply.
- Connect an external fuse for protection from the power supply. The product can be protected by short-circuiting due to mis-wiring and overcurrents or overvoltages which can damage it.
- When wiring do not ground shielding and remove and discard any unnecessary shielding before wiring.
- The Protection Rating does not include the cable ends. If the ends of the cable are in contact with water or exposed to dew or condensation, refer to the indications below to dress the cable ends for water and oil resistance.
  - Connect the wire ends in a location which will not expose the ends to water or oil.
  - Use Fillers, such as silicon, etc., to seal the cable ends.
 Refer to the circled part of the figure below for the sections requiring protection from water and/or oil intrusion.



### 5-1. 配線方法 Wiring

- UL 認証品としてご利用の場合、本製品に接続する電源にはクラス2電源ユニット(定電圧型)を使用してください。
- 本製品には2A(タイムラグ型)ヒューズが内蔵されています。本製品と接続される機械保護のために、接続される機械の定格にあったヒューズを使用してください。
- Use a UL authenticated Class 2 power supply unit to connect power to this product. The power supply unit is constant voltage type.
- 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.



### 5-2. 使用方法 Operation

- 上記「5-1. 配線方法」にしたがって、電源電圧 DC 24V を印加すると LED が点灯します。
- ※ 電流が 0.1mA 以上流れると、LED が点灯し始めます。
- 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.



## 4 取付け

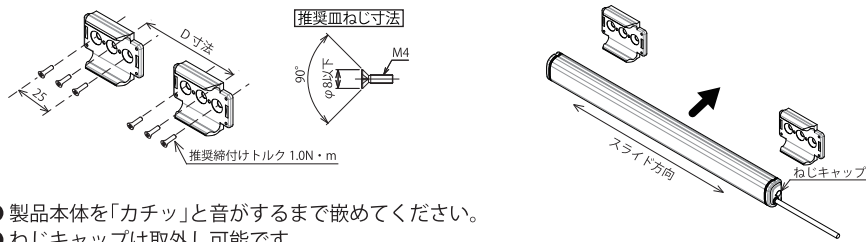
**警告** ●製品の分解・改造をしないでください。感電・火災などの危険があります。  
●本製品を機械や装置等に取り付けた後、本製品を掴んで登ったり、機械や装置の部品等を本製品に引っ掛けたりしないよう十分注意してください。転倒・落下などの原因となり非常に危険です。

**強制** ●取付け、保守の際は、感電防止のため必ず電源をお切りください。  
●設置、取付場所の強度を十分にお確かめください。ぐらつく場所や傾いた状態で設置すると部品に無理な力がかかり、落下や破損することがあります。

**注意** ●取付けの際は、製品の落下等に十分注意しておこなってください。  
●本製品は、屋内のみ使用可能です(屋外不可)。  
●ブラケットは、ポリカーボネート樹脂を使用しています。  
●ねじロック剤など溶剤が付着すると、破損する恐れがありますので十分注意してください。

### 取付け方法

- 十分に強度のある平坦な取り付け面にねじ加工後、ブラケットを取り付けます。  
下図のように M4 の皿ねじ (推奨: 各ブラケット 2 箇所) で締付けてください。  
※ 9S の場合は、製品に同梱されているブラケット (SZ-310AR) を 4ヶ配置してください。



- 製品本体を「カチッ」と音がするまで嵌めてください。
- ねじキャップは取外し可能です。

**注意** ●ねじキャップは、高圧洗浄などで脱落することがあります。  
脱落すると問題が発生する場合は、事前に取外してください。  
(例: 食品加工ラインでの異物混入)

※本製品を、縦方向で取り付ける場合、本体がスライド方向にずれる恐れがありますので、オプションブラケット (SZ-310AS) の使用を推奨します。

## 4 Installation

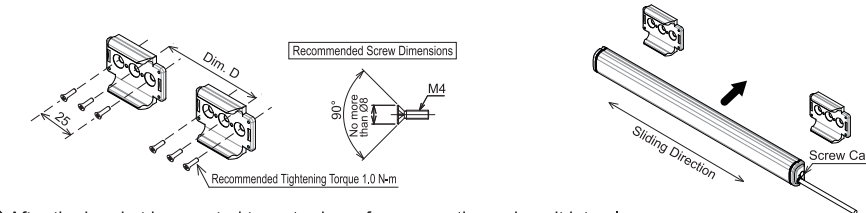
**警告** ●Do not modify or disassemble the product. Failure to comply may result in electric shock or fire.  
●After installing this product, be careful not to use this product to climb onto a machine, or to get anything snagged onto this product while it is mounted on equipment, etc. Failure to comply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

**強制** ●Be sure to disconnect the power when wiring, mounting, exchanging, or repairing the product. Failure to comply may result in damage of the internal circuitry and the danger of electric shock due to short-circuiting.  
●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.

**注意** ●Be careful to properly install the product to prevent it from falling, etc.  
●This product is designed for indoor use only (Not for outdoor Use).  
●Because the bracket is made of polycarbonate resin, damage may occur if solvents such as screw locking agents or such adhesives are used.

### Installation Location

- After making mounting holes on a flat and sturdy surface, attach the bracket. Referring to the drawing below, install the bracket with M4 flush-mount screws (Use two screws per bracket).  
※ For the 9S and 12S, orientate the four SZ-310AR brackets included with the product.



- After the bracket is mounted to a sturdy surface, snap the main unit into place.
- The screw cap can be removed.

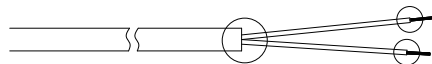
**注意** ●The screw cap may fall out during high-pressure washing, etc. Please remove it in advance to prevent it from falling out before a problem occurs.  
(Example: Contamination in a food processing line)

※ Because this product may slide while being mounted in the vertical direction, use the option bracket SZ-310AS.

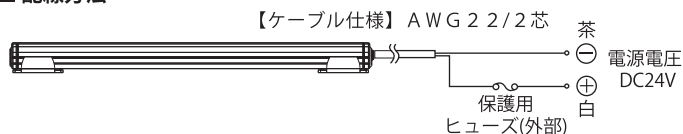
## 5 配線・使用方法

**警告** ●配線、設置、交換、補修の際は、必ず電源をお切りください。  
●ショートによる内部回路の焼損や感電の危険があります。

**注意** ●使用電圧を間違えないよう確かめてからご使用ください。  
●ケーブルは引っ張ったり、押し込んだりしないでください。故障の原因となります。また、ケーブルにはストレスがかからないよう余裕を持たせて配線してください。  
●定電圧型の電源をご使用ください。定電流型の電源を使用した場合、故障の原因になります。  
●電源接続には保護用ヒューズ(外部)を入れてください。配線間違いなど万一の場合に電源や配線回路の焼損が防げます。  
●シールド線を接地しないでください。ケーブルを加工した場合、不要なシールド線は除去してください。  
●保護等級は、ケーブル先端部を除きます。  
ケーブル先端部に水などがかかる場合やケーブル先端部が結露環境にある場合は、以下のような方法を参考に、ケーブル先端部に防水処理してください。  
・ケーブル先端部を、水のかからない場所に配線します。  
・ケーブル先端部を、充填剤(シリコンなど)で塞ぎます。  
ケーブル先端部は、下図の丸部です。



### 配線方法



- ※1. 製品の内部保護には2Aのヒューズを設定しています。  
照明設置回路上では2A以上のヒューズをご使用ください。
- ※2. UL認証品としてご利用の場合、本製品に接続する電源にはクラス2電源ユニット(定電圧型)をご使用ください。
- ※3. 【UL508Aに基づくLED照明設置設計の場合】150V以上の電源装置からの電源供給の場合は、電源装置の1次側を接地させてください。

電圧	125V
定格電流	2A以上

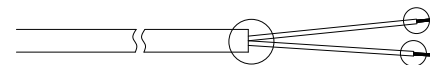
### 使用方法

- 上記「配線方法」にしたがって、電源電圧DC24Vを投入すると、LEDが点灯します。  
※ 電流が0.1mA以上流れると、LEDが点灯し始めます。

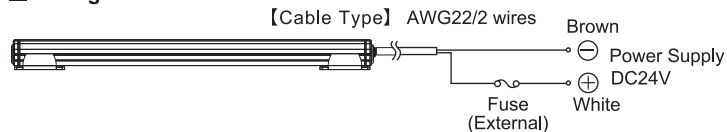
## 5 Wiring and Proper Use

**Warning** ● Be sure to disconnect the power when wiring, mounting, exchanging, or repairing the product. Failure to comply may result in damage of the internal circuitry and the danger of electric shock due to short-circuiting.

**Caution** ● Check that the proper voltage is connected before applying power.  
● Do not pull on the cable, or try to push it inside the unit. Possible cause of failure may occur. In addition, allow a margin of slack for the wire and cable to prevent stress.  
● Use a constant-voltage regulated power supply. Possible cause of failure may occur with the use of a constant current power supply.  
● Connect an external fuse for protection from the power supply. The product can be protected by short-circuiting due to mis-wiring and overcurrents or overvoltages which can damage it.  
● When wiring do not ground shielding and remove and discard any unnecessary shielding before wiring.  
● The Protection Rating does not include the cable ends. If the ends of the cable are in contact with water or exposed to dew or condensation, refer to the indications below to dress the cable ends for water resistance.  
● Connect the wire ends in a location which will not expose the ends to water.  
● Use Fillers, such as silicon, etc., to seal the cable ends.  
Refer to the circled part of the figure below for the sections requiring protection from water intrusion.



### Wiring



- \*1. The internal protection for the product requires a 2A fuse rating. For lighting installation, use a fuse with a rating of 2A or higher.
- \*2. Use a UL authenticated Class 2 power supply unit to connect power to this product. The power supply unit is a constant voltage type.
- \*3. (For UL508A conformity for LED lighting installation designs)  
In case the supplying power from power unit is beyond 15V, ground the primary power unit side to earth ground.

【Recommended Fuse】	
Voltage	125V
Current	2A or more

### Operation

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

## 6 仕様

**注意** ●寸法・仕様および構造などは、改善のため予告なく変更することがありますので、ご了承ください。  
●LEDの特性上、LED単体また製品ごとの色調ばらつき、明るさ違いが発生する場合があります。  
●IP試験は全て規定方法、規定時間内で行われている為、保護等級を長時間保証するものではありません。

型式	CLA1S-24A -CD(-30)	CLA2S-24A -CD(-30)	CLA3S-24A -CD(-30)	CLA6S-24A -CD(-30)	CLA9S-24A -CD(-30)	CLA3S-24A -Y
発光色	昼光色 (CD)					黄色
色温度 (typ.)	6800 K					—
主波長	—					590 nm
中心照度 (at DC24V)	0.5m 140 lx	270 lx	400 lx	650 lx	810 lx	220 lx
	1.0m 35 lx	70 lx	105 lx	200 lx	280 lx	60 lx
全光束	125 lm	240 lm	360 lm	690lm	980lm	195lm
定格電圧	DC 24V (極性あり)					
電圧許容範囲	DC 24V ±10%					
定格消費電流	104mA ±10%	208mA ±10%	240mA ±10%	480mA ±10%	720mA ±10%	240mA ±10%
定格消費電力	2.5W	5W	5.7W	11.6W	17.3W	5.7W
使用周囲温度	-40°C ~ +60°C					
使用周囲湿度	90% RH 以下、結露なきこと					
取付場所	屋内					
取付方向	全方向					
保護特性	IP66/67 (IEC 60529) / 69K (DIN 40050 part9) (ケーブル先端部は除く)					
絶縁抵抗	DC500V 5MΩ以上					
耐電圧	AC500V 1分間					
耐振動性	30Hz 19.6 m/s <sup>2</sup> 上下、左右、前後 各2時間					
本体材質	ポリカーボネート樹脂 (防水パッキン: シリコン)					
質量(公差: ±10%)	80g (165g)	130g (215g)	180g (265g)	340g (425g)	500g (585g)	180g

## 6 Specifications

**注意** ● Specifications and dimensions may change without prior notice for improvements, etc.  
● Due to the characteristics of the LED, color temperature, brightness and hue will differ for every LED and every product.  
● Since all IP examinations are done according to specified conditions and regulated time, the protection rating is not guaranteed for an extended period of time.

Model	CLA1S-24A-CD(-30)	CLA2S-24A-CD(-30)	CLA3S-24A-CD(-30)	CLA6S-24A-CD(-30)	CLA9S-24A-CD(-30)	CLA12S-24A-CD(-30)	CLA3S-24A-Y
Luminous Color	Daylight (CD)						Amber
Color Temperature (typ.)	6800 K						—
Wavelength	—						590 nm
Illuminance (at 24VDC)	0.5m 140 lx	270 lx	400 lx	650 lx	810 lx	890 lx	220 lx
	1.0m 35 lx	70 lx	105 lx	200 lx	280 lx	340 lx	60 lx
Luminous Flux	125 lm	240 lm	360 lm	690lm	980lm	1375lm	195lm
Rated Voltage	24V DC (Polarized)						
Operating Voltage Range	24V DC ±10%						
Rated Current Consumption	104mA ±10%	208mA ±10%	240mA ±10%	480mA ±10%	720mA ±10%	960mA ±10%	240mA ±10%
Rated Power Consumption	2.5W	5W	5.7W	11.6W	17.3W	23.0W	5.7W
Operating Ambient Temperature	-40°C to +60°C The environmental condition for UL and CUL authentication is at the operating ambient air temperature of 50°C		-40°C to +60°C				
Operating Ambient Humidity	Less than 90% (No condensation)						
Mounting Location	Indoors						
Mounting Direction	All Directions						
Protection Rating	IP66/67 (IEC 60529) / 69K (DIN 40050 part9) (Except Cable Terminal)						
Insulation	More than 5MΩ at 500VDC						
Withstanding	500VAC applied for 1min						
Vibration	19.6 m/s <sup>2</sup> (30Hz, Back and Forth:2h, Right to Left:2h, Up and Down:2h)						
Main Body Material	Polycarbonate Resin (Waterproof Packing: Silicon)						
Mass	80g (165g)	130g (215g)	180g (265g)	340g (425g)	500g (585g)	660g (745g)	180g

This product conforms to EN standard and shows the CE Marking.  
This product has been tested and found to comply with the limits for a Class A device, pursuant to EMC DIRECTIVE.  
These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.  
This product must not be used in residential areas.

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**PATLITE Corporation**

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 PATLITE MEXICO S.A. de C.V. www.patlite.com.mx/

LED Bar Light

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

- Installation Wiring
- Installation Verkabelung
- Installation Câblage
- Installazione Cablaggio
- Instalación Cableado

TYPE CWA



**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. Be sure to read the user's manual before operating the product.

**WARNING** Indicates an imminently dangerous condition: failure to follow the instructions may lead to death or serious injury.

- Request the installation and wiring to be accompanied by a professional contractor. If installation is done improperly, it may result in fire, electric shock, falling, or malfunction.

**CAUTION** Indicates a potentially dangerous condition: failure to follow the instructions may lead to slight injury or property damage.

**Hinweis an den Kunden** Vielen Dank, dass Sie unser Patlite-Produkt erworben haben.

- Dieses Produkt erfordert Installations-, Verkabelungs- und andere Arbeiten. Bitten Sie stets einen erfahrenen Techniker, diese Arbeiten durchzuführen.
- Diese Installationsanleitung richtet sich an die Techniker, die die Installation und Verkabelung für dieses Produkt ausführen.
- Für die Kunden, die das Produkt nach der Installation verwenden, steht eine separate Bedienungsanleitung zur Verfügung. Lesen Sie stets die Bedienungsanleitung, bevor Sie das Produkt verwenden.

**AVVERTENZA** Indica una situazione estremamente pericolosa: la mancata osservanza delle istruzioni può 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.

**VORSICHT** Weist auf eine potentiell gefährliche Situation hin: Die Nichtbefolgung der Anweisungen kann zu einer leichten Verletzung oder einem Sachschaden führen.

**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. Veuillez 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 dysfonctionnement.

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

**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 leggere il manuale dell'utente 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.

**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.

**ADVERTENCIA** Indica una condición de riesgo inminente: no observar estas instrucciones podría causar lesiones graves 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.

**ATENCIÓN** Indica una situación potencialmente peligrosa: no observar estas instrucciones podría causar lesiones leves o daños materiales.

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 Sales Representative.

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

The following symbols indicate and explains the nature of the information to be observed.

- This symbol indicates "Prohibited", which should not be carried out by all means.
- This symbol indicates "Enforced", which should be observed and carried out by all means.

Warning

- Do not disassemble or modify this product. Failure to comply may result in electric shock or fire.
- 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.
- Be sure to disconnect the power when wiring, mounting, exchanging, or repairing the product. Failure to comply may result in damage of the internal circuitry and the danger of electric shock due to short-circuiting.
- 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.
- 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.
- 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

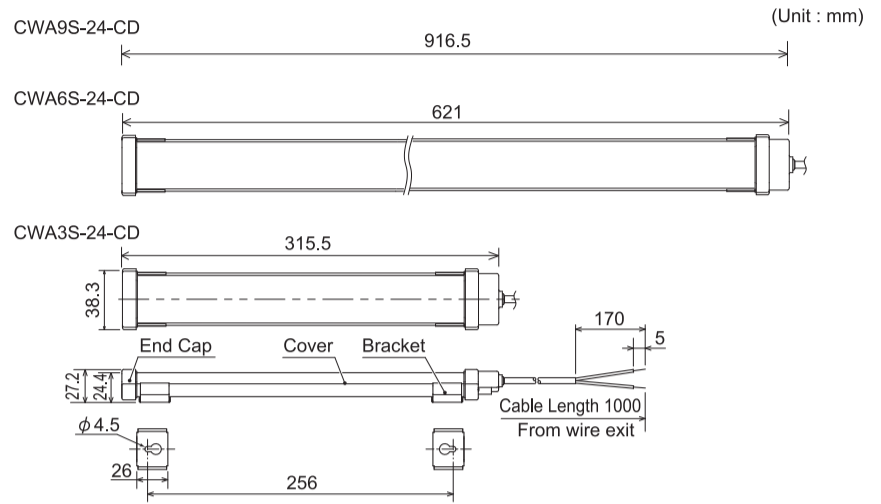
- In order to avoid danger to the eyes, do not stare into the beam, do not view directly into the optical instrument, and don't turn the beam towards someone's eyes. The LED beam is hazardous to the eyes.
- Do not loosen any body screws. It will have an adverse effect on the protection rating.
- Verify that the specified operating voltage is not exceeded.
- For safety measures, be sure to connect an external fuse to protect from overcurrents or overvoltages from mis-wiring, etc. The product can be protected by short-circuiting due to mis-wiring and overcurrents or overvoltages which can damage it.
- Avoid installation in the following locations:
  - Near space heaters or places where high s are present.
  - In locations where chemical or explosive gasses, etc., are present.

2 Model Number Configuration

CWA3S-24-CD

- Light Unit Length: 3 : 300mm, 6 : 600mm, 9 : 900mm
- Rated Voltage: 24 : 24V DC
- Color: CD : Daylight

3 Part Names and Dimensions



4 Installation

Warning

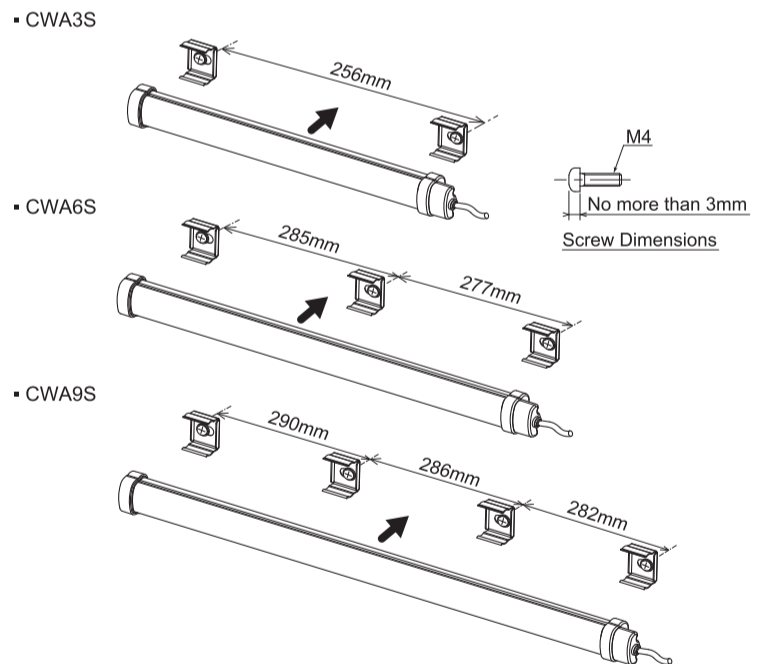
- Do not modify or disassemble the product. Failure to comply may result in electric shock or fire.
- After installing this product, be careful not to use this product to climb onto a machine, or to get anything snagged onto this product while it is mounted on equipment, etc. Failure to comply may result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

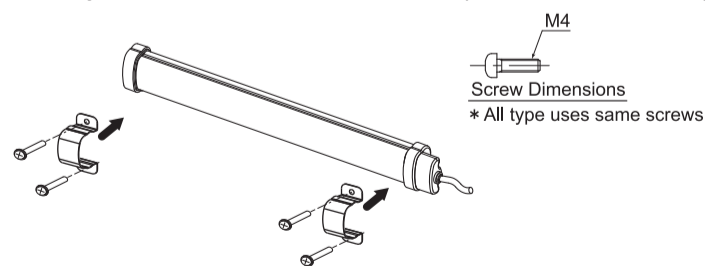
Installation Procedure (use Bracket)

Install the bracket on a sturdy surface with M4 screws. After the bracket is mounted to a sturdy surface, snap the main unit into place.



Installation Procedure (use Holding bracket\*)

Install the holding bracket in the main unit, install on a sturdy surface with M4 screws. (4 screws)



\*Holding bracket : 2incl for all types (CWA3S, CWA6S, CWA9S).

PATLITE Corporation

- PATLITE Corporation ※Head office
- PATLITE (U.S.A.) Corporation
- PATLITE Europe GmbH ※Germany
- PATLITE (SINGAPORE) PTE LTD
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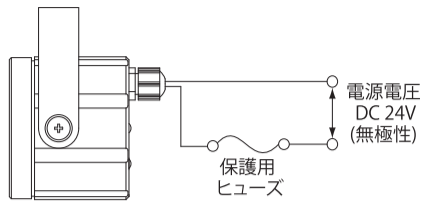


## 4 配線方法

### ▲ 注意

- 配線時には、感電防止のため、必ず電源を切ってください。
- 配線例のように、電源側には必ず保護用ヒューズを入れてください。配線間違いなど万一の場合の電源焼損が防げます。
- 使用電圧を間違えないよう確かめてから使用してください。
- 電源線は引っ張ったり、押し込んだりしないでください。故障の原因になります。また、電源線にはストレスがかからないようにたるませて配線してください。
- 電源プラス側に外部接点、保護用ヒューズを配線してください。

### ■ 配線例



#### 【保護用ヒューズ】

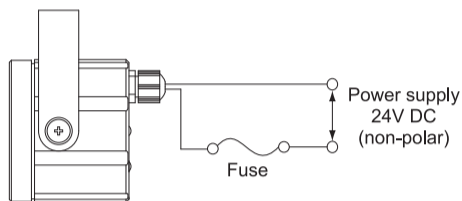
ヒューズ定格電流 (推奨)
125V 1A

## 4 Wiring

### ▲ CAUTION

- Check that the power is off before mounting, repairing or replacing parts to avoid short-circuiting, electric shock or burns.
- Connect an external fuse for protection from the power supply. The product can be protected by short-circuiting due to mis-wiring and overcurrents or overvoltages which can damage it.
- Check that the proper voltage is connected before applying power.
- Do not pull on the cable, or try to push it inside the unit. Possible cause of failure may occur. In addition, allow a margin of slack for the wire and cable to prevent stress.
- Connect an external fuse to the positive side of the power supply.

### ■ Wiring Example



#### 【Fuse】

Recommended Fuse Rating
125V 1A

## 5 仕様

型式	CLE-24	CLE-24N
タイプ	広角タイプ	狭角タイプ
定格電圧	DC 24V (無極性)	
消費電力	1.3W	
光源	LED	白色 高輝度LED 24個使用
	光度 (光軸)	25cd      160cd
取付方向	正・横・逆・縦方向	
使用温度範囲	-25°C ~ +60°C (結露なきこと)	
保護等級	IP65f 準拠	
耐振動性	19.6 m/s <sup>2</sup>	
製品質量	0.3kg	
表面ガラス	スモーク	クリア

## 5 Specifications

Model	CLE-24	CLE-24N
Type	Wide-angle Spot	Narrow-focus Spot
Rated Voltage	24V DC (No Polarity)	
Rated Power Consumption	1.3W	
Lighting Source	LED	24 White, High-intensity
	Illuminance (typ.) at center	25cd      160cd
Mounting Direction	Upright, Horizontal, Sideways	
Operating Ambient Temperature	-25°C ~ +60°C (No condensation)	
Protection Rating	IP65f Conformity	
Vibration Resistance	19.6 m/s <sup>2</sup>	
Mass	0.3kg	
Glass Surface	Smoke	Clear

This product conforms to EN standard and shows the CE Marking.  
 This product has been tested and found to comply with the limits for a Class A device, pursuant to EMC DIRECTIVE.  
 These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.  
 This product must not be used in residential areas.

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 installazione  
Manual de instalación

Installation Wiring  
Installation Verkabelung  
Installation Câblage  
Installazione Cablaggio  
Instalación Cableado

TYPE CWF

**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. Be sure to read the user's manual before operating the product.

**WARNING** Indicates an imminently dangerous condition: failure to follow the instructions may lead to death or serious injury.

- Request the installation and wiring to be accompanied by a professional contractor. If installation is done improperly, it may result in fire, electric shock, falling, or malfunction.

**CAUTION** Indicates a potentially dangerous condition: failure to follow the instructions may lead to slight injury or property damage.

- Use a soft cloth dampened with water to clean the product. (Do not use thinner, benzene, gasoline or oil.)

**Hinweis an den Kunden** Vielen Dank, dass Sie unser Patlite-Produkt erworben haben.

- Dieses Produkt erfordert Installations-, Verkabelungs- und andere Arbeiten. Bitten Sie stets einen erfahrenen Techniker, diese Arbeiten durchzuführen.
- Diese Installationsanleitung richtet sich an die Techniker, die die Installation und Verkabelung für dieses Produkt ausführen.
- Für die Kunden, die das Produkt nach der Installation verwenden, steht eine separate Bedienungsanleitung zur Verfügung. Lesen Sie stets die Bedienungsanleitung, bevor Sie das Produkt verwenden.

**AVVERTISSEMENT** Weist auf eine unmittelbar gefährliche Situation hin: Die Nichtbefolgung der Anweisungen kann zum Tod oder zu einer schweren Verletzung führen.

- Bitten Sie professionelles Fachpersonal um die Ausführung der Installation und Verkabelung. Wenn die Installation nicht ordnungsgemäß ausgeführt wird, kann dies zu einem Feuer, Stromschlag, zum Herunterfallen oder zu einer Fehlfunktion führen.

**VORSICHT** Weist auf eine potentiell gefährliche Situation hin: Die Nichtbefolgung der Anweisungen kann zu einer leichten Verletzung oder einem Sachschaden führen.

- Verwenden Sie ein weiches Tuch, das mit Wasser angefeuchtet, um ein Produkt zu reinigen. (Verwenden Sie keinen Verdünnner, Benzin, Benzin oder Öl.)

**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. Veuillez 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 dysfonctionnement.

**ATTENTION** Indique une situation potentiellement dangereuse : le non-respect de ces consignes peut entraîner de légères 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. Assicursi 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 leggere il manuale dell'utente 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.

**ADVERTENCIA** Indica una condición de riesgo inminente: no observar estas instrucciones podría causar lesiones graves 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.

**ATENCIÓN** Indica una situación potencialmente peligrosa: no observar estas instrucciones podría causar lesiones leves o 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 Sales Representative.

**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:

◆ The following symbols indicate and explains the nature of the information to be observed.

- This symbol indicates "Prohibited", which should not be carried out by all means.
- This symbol indicates "Enforced", which should be observed and carried out by all means.

### Warning

- Do not disassemble or modify this product. Failure to comply may result in electric shock or fire.
- 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.
- Do not pour water, nor put it in water. This may cause fire, short circuit and/or electric shock.
- Be sure to disconnect the power when wiring, mounting, exchanging, or repairing the product. Failure to comply may result in damage of the internal circuitry and the danger of electric shock, due to short-circuiting.
- 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.
- 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.
- 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.
- Make sure this product is properly installed and wired. Improper wiring and installation may result in fire, short circuiting and/or electric shock.

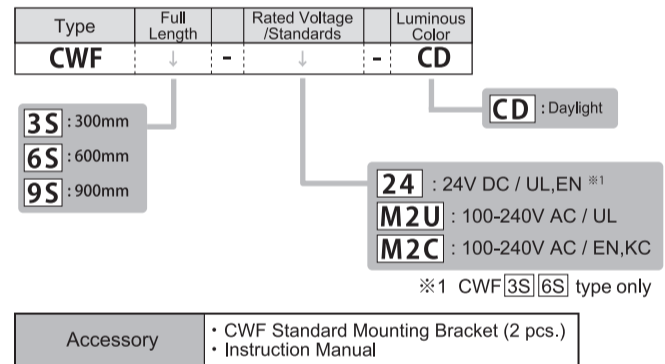
### Caution

- 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.
- 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.
- For safety measures, be sure to connect an external fuse to protect from overcurrents or overvoltages from mis-wiring, etc. The product can be protected by short-circuiting due to mis-wiring and overcurrents or overvoltages which can damage it.
- Avoid installation in the following locations:
  - Near space heaters or places where high temperatures are present.
  - In locations where chemical or explosive gasses, etc., are present.

### Notice

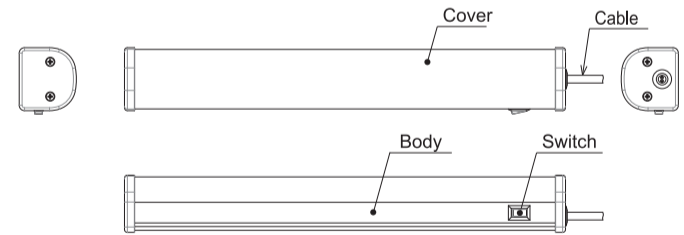
- To ensure proper safety while using the LED work light, observe the following:
  - Perform periodic pre-maintenance.
  - As a precaution against problems occurring, use this product together with other equipment.
  - Be sure to discharge any static electricity from the body before handling static sensitive parts of this product. (To prevent damage from static electricity, touch hands or other body parts to metals or an earth ground to discharge the body from static charge.)
  - Use a soft cloth moistened with water when the LED Unit or body must be cleaned up. (Do not use thinner, benzene, gasoline or oil.)
- To ensure safety when this product is installed onto equipment, observe the following:
  - Do not remove parts beyond those designed to be removed from this product.
  - Do not modify or disassemble this product.

## 2 Model Number Configuration



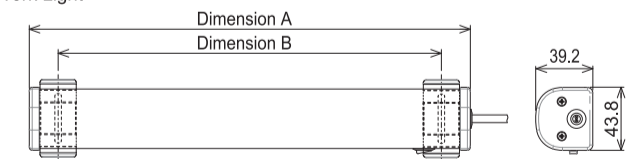
## 3 Part Names and Dimensions

### Part Names



### Dimensions (Unit : mm)

□ LED Work Light

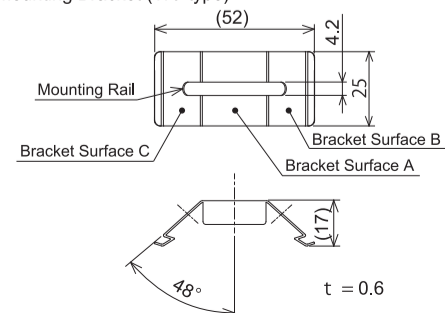


(Table 1. Dimensions)

Model	Dimension A	Dimension B
	Body Length	Bracket Pitch
CWF3S-□-CD	300	260
CWF6S-□-CD	600	560
CWF9S-□-CD	900	860

Cable Length : (3000)

□ CWF Standard Mounting Bracket (Tilt type)



## 4 How to Install

### Warning



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



- 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.

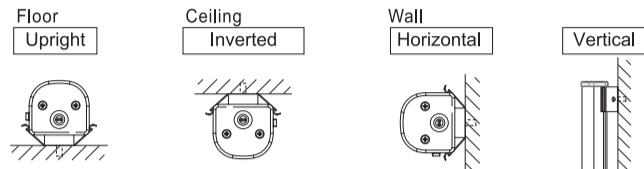
### Caution



- Ensure this product is securely mounted, to prevent from falling, etc.
- This product is for indoor use only. (Not for outdoor use)

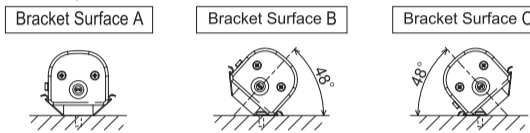
### Product Mounting Direction

The attachment direction common to all the models is shown.



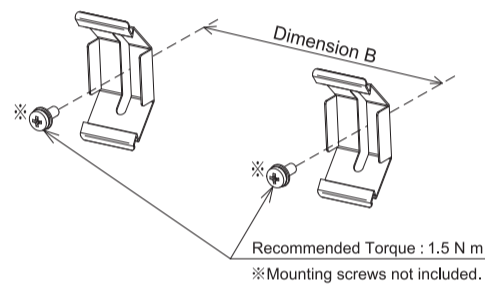
### Bracket Mounting Surface Selection

Angle adjustable: 3 patterns

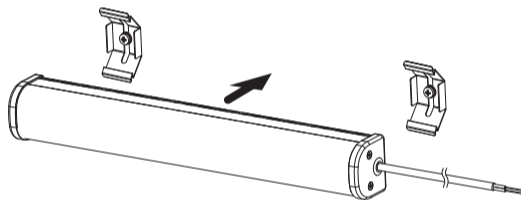


### Installation Location

- SUITABLE FOR DAMP LOCATIONS.
  - Select a damp location that is not exposed to water spray or mist.
- Attach the bracket to the mounting surface.
  - After tapping the mounting holes onto a flat and sturdy surface, use two M4 screws for mounting.
  - Attach an M4 screw in the desired "Mounting Rail" and tighten.



- Attach the product to the bracket.
  - After the bracket is mounted to a sturdy surface, snap the product into place.



## 5 Wiring

### Warning



- Be sure to disconnect the power when wiring, mounting, exchanging, or repairing the product. Failure to comply may result in damage of the internal circuitry and the danger of electric shock due to short-circuiting.

### Caution



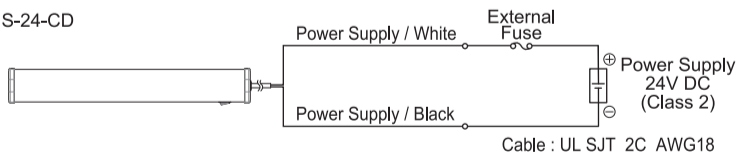
- Check that the proper voltage is connected before applying power.
- Do not pull on the cable, or try to push it inside the unit. Possible cause of failure may occur. In addition, allow a margin of slack for the wire and cable to prevent stress.
- Use a constant-voltage regulated power supply. Possible cause of failure may occur with the use of a constant current power supply. ([24] type only)
- 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.

### <Notice>

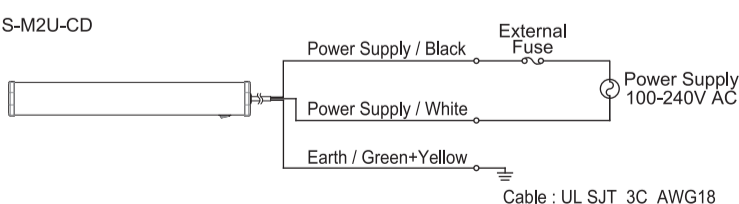
- Use a UL authenticated Class 2 power supply unit to connect power to this product. The power supply unit is a constant voltage type. ([24] type only)
- This product contains a 2A (slow-blow) fuse inside. Use an external fuse rated for the machine, which is connected to the product, to protect the machine from damage.

### Wiring Method

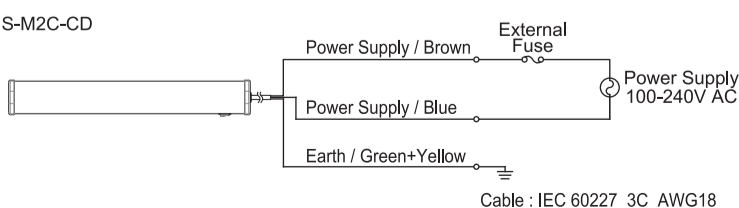
CWF□S-24-CD



CWF□S-M2U-CD



CWF□S-M2C-CD



## 6 Specifications

Model	CWF3S-24	CWF6S-24	CWF3S-M2□	CWF6S-M2□	CWF9S-M2□	
Color Temperature (typ.)	5700 K					
Illuminance (typ.) (Center)	1.0m	165 lx	320 lx	150 lx	320 lx	445 lx
		500 lm	1000 lm	500 lm	1000 lm	1500 lm
Total Luminous Flux (typ.)	24V DC		100-240V AC (50/60Hz)			
Rated Voltage	Rated Voltage ± 10%		90-264V AC			
Operating Voltage Range	5 W	10W	5 W	10 W	15 W	
Rated Power Consumption	- 25 °C ~ + 60 °C		- 20 °C ~ + 50 °C			
Operating Ambient Temperature	90% RH or less, no condensation					
Operation Ambient Humidity	Indoor					
Mounting Location	All Directions					
Mounting Direction	IP20					
Protection Rating	0.42 kg	0.57 kg	M2U:0.53 kg M2C:0.46 kg	M2U:0.68 kg M2C:0.6 kg	M2U:0.84 kg M2C:0.76 kg	
Mass (Tolerance ±10%)						

- (Note)
- Due to the characteristics of the LED, color temperature, brightness and hue will differ for every LED and every product.
  - Since all IP examinations are done according to specified conditions and regulated time, the protection rating is not guaranteed for an extended period of time.