Important Information:
These instructions contain safety information, read and follow them carefully. Dialight will not accept any responsibility for injury, damage or loss which may occur due to incorrect installation, operation or maintenance.

Operating Instructions

Languages
English

Note: Save these instructions for future use
**WARNING: INSTALLATION & SECONDARY RETENTION.** The use of this product without proper installation and inspections, including secondary safety retention/securing/netting, could cause severe injury or death. Dialight recommends that all installations should use secondary retention and/or safety netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end customer to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is installed safely (with secondary retention and/or safety netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under the relevant law, Dialight disclaims all responsibility for personal injury and/or other damage resulting from any dislodgement or other dislocation of this product.

**ADVERTENCIA: INSTALACIÓN Y SISTEMA SECUNDARIO DE SUJECCIÓN.** Usar este producto sin haberlo instalado e inspeccionado correctamente, lo que incluye usar sistemas secundarios de retención/sujeción/redes, podría ocasionar lesiones graves o la muerte. Dialight recomienda que en todas las instalaciones se utilice un sistema secundario de retención o una red de seguridad (apropiados para el lugar de la instalación), según corresponda. Será responsabilidad exclusiva del contratista, el instalador o el cliente final encargarse de lo siguiente: a) determinar si el producto es apto para el uso previsto; y b) asegurarse de que el producto se instale de manera segura (usando un sistema secundario de retención o una red de seguridad, si corresponde) y de conformidad con todas las leyes y disposiciones aplicables. En la máxima medida autorizada por la legislación pertinente, Dialight no será responsable por ninguna lesión personal u otros daños que se produzcan a raíz de cualquier caída o desplazamiento de este producto.

**AVISO: INSTALAÇÃO E RETENÇÃO SECUNDÁRIA.** O uso deste produto sem a instalação e inspeções adequadas, incluindo retenção/fixação secundárias e/ou redes de segurança, pode provocar ferimentos sérios ou morte. A Dialight recomenda que todas as instalações utilizem retenção secundária e/ou redes de segurança (apropriadas ao ambiente da instalação) sempre que aplicável. É responsabilidade exclusiva da empreiteira, instaladora e/ou do cliente final: a) determinar a adequabilidade deste produto para a aplicação pretendida; e, b) assegurar que o produto seja instalado de maneira segura (com retenção secundária e/ou rede de segurança sempre que apropriado) e em conformidade com todas as leis e regulamentações aplicáveis. Dentro dos limites permitidos pela legislação pertinente, a Dialight se exime de toda responsabilidade por ferimentos pessoais e/ou outros danos resultantes do desalojamento ou de outro deslocamento deste produto.

**AVERTISSEMENT : INSTALLATION ET FIXATION SECONDAIRE.** L’utilisation de ce produit sans une installation et des inspections en bonne et due forme, notamment la sécurisation/ la fixation de sécurité secondaires/ l’installation d’une grille en acier tissée de sécurité, peut entraîner des blessures graves voire la mort. Dialight recommande que toutes les installations soient pourvues d’une fixation secondaire ou d’une grille en acier tissée de sécurité (adaptées à l’environnement de l’installation) dans la mesure du possible. Il va de la responsabilité exclusive de l’entrepreneur, de l’installateur ou du client final de : (a) déterminer si le produit est adapté à son usage prévu et (b) assurer que le produit est installé de manière sûre (avec une fixation secondaire et/ou une grille en acier tissée de sécurité le cas échéant) et en conformité avec la loi et les normes en vigueur. Dans la mesure permise par la loi en vigueur, Dialight n’assumera aucune responsabilité en cas de blessure sur la personne ou autre dommage résultant du déboîtement ou de toute autre dislocation de ce produit.

Safetys Instruction:

- To avoid the risk of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician, in accordance with all applicable electrical codes.
- Be certain electrical power is OFF before and during installation and maintenance.
- Luminaires must be connected to a wiring system with an equipment-grounding conductor.
- Make sure the supply voltage is within the luminaires' voltage rating.
- Ensure the marked T Rating is less than the ignition temperature of the Hazardous Atmosphere.
- Do not operate in ambient temperatures above those indicated on the luminaire nameplate.
- Do not operate if the lens is cracked or damaged. All fasteners should be properly seated.
- Do not let power cord touch hot surfaces.
- Do not mount near gas or electric heaters.
- Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Do not use this equipment for other than intended use.
- The technical data indicated on the luminaire are to be observed.
- Changes to the design and modifications of the luminaires are not permitted.
- Only genuine Dialight replacement parts are to be used when unforeseen maintenance is required.
- Must install using NEMA 4x rated components to maintain rating.
- Do not remove or tamper with cable gland. The gland has been supplied and installed to the luminaire's specifications by the manufacturer's instructions.
- Substitution of components may impair suitability for certification of the luminaire.
- No user serviceable parts inside of fixture.

Introduction
This Area Light series luminaire is designed for illumination of hazardous locations. It uses the latest in solid state lighting technology for long life, low maintenance, and high efficiency.

The unique optical design focuses light downward to where it is needed, giving improved efficiency over a conventional HID luminaire.

100-277 VAC
An internal power-factor-corrected supply allows it to be used from any nominal 100V-277V, 50/60Hz single-phase AC supply without any variation in light output.

When using 208V (two 120V phases), connect the black wire to one phase and the white wire to the other phase. Since the light fixture does not have an internal fuse in-line with the white wire (normally the Neutral), a fuse may be connected in series with it if required.

347-480 VAC
An internal power-factor-corrected supply allows it to be used from any nominal 347V-480V, 50/60Hz AC supply without any variation in light output.

24-48 VDC
An internal power supply allows it to be used from any nominal 24-48VDC supply without any variation in light output.

120-250 VDC
An internal switch-mode supply allows it to be used from any nominal 120-250VDC without any variation in light output.

Installation
Ensure that the mains voltage supply is disconnected before connecting the luminaire. Install the equipment in accordance with the manufacturer's instructions as well as any other applicable electrical codes.

Always transport and store the equipment in its original packaging and keep in a dry location. When unpacking check for any cracks or damage in the housing, glass, and glass frame. If in doubt, do not install.

For supply connections use wire rated for at least: 90°C for 100-277V AC units 110°C for 347-480V AC units 90°C for 24-48V DC units

The Area Light series luminaires are factory supplied with 10foot (3meters) of cable. If longer lengths of cables are required a minimum of 18awg (1.5mm diameter) is required.

It is recommended that to ensure moisture does not flow through the cable a loop in the cord should be implemented where possible during installation. If this is not practical for the install than necessary precautions should be taken to prevent moisture entering the conduit thus entering the fixture.

Recommended mounting height: 8 feet to 24 feet (2.4 m to 7.3 m)

The cable glands used with this fixture must be certified to the IP requirements. The cable must be suitable for the site application and/or the site requirements. When assembling the cable entries for the mains connection, always observe the manufacturer's specifications for the glands used. Unused cable entries must be closed and sealed by a certified blanking plug.

NOTE: Improper installation and operation of this luminaire may invalidate the warranty.

Wiring
Power cable conductors connect as follows:

For Single Phase 100 - 277 VAC and 120 - 250 VDC:

<table>
<thead>
<tr>
<th>WIRE(AC)</th>
<th>WIRE(DC)</th>
<th>COLOURED CABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC LIVE</td>
<td>DC LIVE</td>
<td>BLACK</td>
</tr>
<tr>
<td>AC NEUTRAL</td>
<td>DC NEUTRAL</td>
<td>WHITE</td>
</tr>
<tr>
<td>GROUND</td>
<td>GROUND</td>
<td>GREEN</td>
</tr>
<tr>
<td>DIMMING+</td>
<td>DIMMING+</td>
<td>VIOLET</td>
</tr>
<tr>
<td>DIMMING-</td>
<td>DIMMING-</td>
<td>GRAY</td>
</tr>
</tbody>
</table>

Always restore power and verify operation.

Note: If dimming is not used, the crimps provided can be installed on the gray and violet wires to prevent shorting.

For Two Phase 347 VAC or Phase Two 480 VAC:

<table>
<thead>
<tr>
<th>WIRE</th>
<th>COLOURED CABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LINE 1</td>
<td>RED</td>
</tr>
<tr>
<td>LINE 2</td>
<td>BLACK</td>
</tr>
<tr>
<td>GROUND</td>
<td>GREEN</td>
</tr>
</tbody>
</table>

WARNING: Cannot be used with single phase 480VAC

Always restore power and verify operation.

WARNING: Cannot be used with single phase 277VAC

For 24-48 VDC:
Always restore power and verify operation.

**Dimming Models**
The Vigilant Area Light fixture supports variable dimming through a two wire interface, allowing precise light level setting and energy savings.

Dimming is controlled by means of a 0-10 VDC signal connected to the dimming wires (to be provided by the installer). The dimmer should be a 0-10V current sink type, capable of sinking 2mA per light.

**Important Notes**
- The low voltage dimming wires are connected to the grounded output section of the driver inside the light. Never connect either one to the Hot or Neutral supply wires.
- The 'N' wire (Black) is at ground potential.
- Never use these wires for any purpose other than dimming.

**Application Examples**

1) **Variable Voltage Control**
An analog 0-10V active dimmer may be connected to the two wires to control the light output of the fixture. Multiple lights may be connected to the same dimmer, as long as the maximum current rating of the dimmer is not exceeded.

2) **Step dimming**
Simply shorting the two wires together will cause the light to dim to a low level. When this is done, the light will dim down to approximately 5% of its full light output, with a corresponding decrease in input power.

**Pendant/Ceiling Mounting**
Recommended for use with 360° Optic. For best optical performance Dialight Corporation recommends mounting unit at a 45° angle with respect to the ceiling wall or pole.

**Stanchion/Wall Mounting**
Recommended for use with 180° Optic. For best optical performance Dialight Corporation recommends mounting unit at a 45° angle with respect to the vertical mounting pole or wall.

**General Mounting**
For maximum long term reliability and light output, the light must be installed in free air.

Refer to www.dialight.com for the most up to date information on available mounting brackets, hardware and accessories.

**Bracket Mounting**
For best optical performance Dialight Corporation recommends mounting unit at a 45° angle with respect to the vertical mounting pole or wall. Refer to www.dialight.com for the most up to date information on available mounting brackets, hardware and accessories.

For maximum long term reliability and light output, the light must be installed in free air.

The Area Light series luminaire fixture design incorporates an over-temperature control circuit that reduces input power should internal temperatures reach a maximum level. As a result, light output may be reduced.

The Area Light series luminaire fixture is equipped with "L" and "U" brackets on Luminaire from factory. Once fixture is mounted, loosen the four M6 bolts connecting the "U" bracket to the "L" bracket, enough to allow the bracket to pivot. Position bracket to desired orientation. Torque all bracket hardware to 6 ft-lbs.

**Non-Retrofit/Adapter Units**
This series fixture is threaded for 3/4" NPT in order to be assembled to conduit.

Calculate and measure required conduit length. Feed the power cable through the conduit and into the junction box. Attach the fixture to the conduit (using pipe sealant). Insert 1/4-20 set screw in order to secure the fixture to the conduit.

**NOTE:** If there is moisture present or chance of it in the conduit system then necessary precautions should be taken by the installer to prevent the moisture from entering thru the cable or conduit and entering the fixture.

**Retrofit/Adapter Units**
This series fixture is designed with the appropriate adapter is intended to mate to Cooper Crouse-Hinds, Appleton, Killark, and GE Mounting accessories. See Tables above and ensure you are mating only to those accessories listed in the tables.

Disconnect existing wire connections. Remove the entire existing ballast housing. Hang Dialight unit onto existing accessory. Align unit as required if using walkway optic.

**NOTE:** If there is moisture present or chance of it in the conduit system then necessary precautions should be taken by the installer to prevent the moisture from entering thru the cable or conduit and entering the fixture.

Check torques of all 1/4-20 Sq. Head screws in order to secure the fixture to the conduit. Set Torque to 50 in-lbs. Install 1/4-20 hex head screw to secure Dialight Retrofit unit to existing accessory. Set Torque to 50 in-lbs.

**Retrofit/Adapter Cross References**

<table>
<thead>
<tr>
<th>Pendant/Ceiling</th>
<th>Pendant Flexible</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPA-75</td>
<td>3P</td>
</tr>
<tr>
<td>LPA-100</td>
<td>4P</td>
</tr>
<tr>
<td>Wall</td>
<td>Ceiling</td>
</tr>
<tr>
<td>LPWB-75</td>
<td>3C</td>
</tr>
<tr>
<td>LPWB-100</td>
<td>4C</td>
</tr>
<tr>
<td>Stanchion</td>
<td>Wall</td>
</tr>
<tr>
<td>LPC-75</td>
<td>3W</td>
</tr>
<tr>
<td>LPC-100</td>
<td>4W</td>
</tr>
<tr>
<td>LPA-75</td>
<td>5S</td>
</tr>
<tr>
<td>LPA-100</td>
<td>6S</td>
</tr>
</tbody>
</table>

**HZD/STW –C / ALxxxxxxxxCxxxxx / ADxxxxxxxxCxxxxx**
Models HZD/STW-C, ALxxxxxxxCxxxx, and ADxxxxxxxxCxxxx are factory supplied with adapter to mount to Cooper Crouse-Hinds pendant, ceiling, wall, stanchion, and quad mounts. See tables below and use adapter supplied to mount to only those accessories listed below:

<table>
<thead>
<tr>
<th>Pendant/Ceiling</th>
<th>Pendant Flexible</th>
</tr>
</thead>
<tbody>
<tr>
<td>APM2</td>
<td>3P</td>
</tr>
<tr>
<td>APM3</td>
<td>4P</td>
</tr>
<tr>
<td>Wall</td>
<td>Ceiling</td>
</tr>
<tr>
<td>TWM2</td>
<td>3C</td>
</tr>
<tr>
<td>TWM3</td>
<td>4C</td>
</tr>
<tr>
<td>Stanchion</td>
<td>Wall</td>
</tr>
<tr>
<td>CM2</td>
<td>3W</td>
</tr>
<tr>
<td>CM3</td>
<td>4W</td>
</tr>
<tr>
<td>Stanchion</td>
<td>Stanchion (Straight &amp; Angle)</td>
</tr>
<tr>
<td>J5</td>
<td>5S</td>
</tr>
<tr>
<td>J6</td>
<td>6S</td>
</tr>
</tbody>
</table>

**HZD/STW –G / ALxxxxxxxxGxxxxx / ADxxxxxxxxGxxxxx**
Models HZD/STW-G, ALxxxxxxxGxxxx, and ADxxxxxxxxGxxxxx are factory supplied with adapter to mount to GE H2 pendant, ceiling, wall, and stanchion mounts. See table below and use adapter supplied to mount to only those accessories listed below:

<table>
<thead>
<tr>
<th>Pendant/Ceiling</th>
<th>Pendant Flexible</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM2</td>
<td>3P</td>
</tr>
<tr>
<td>AM3</td>
<td>4P</td>
</tr>
<tr>
<td>Ceiling</td>
<td>Wall</td>
</tr>
<tr>
<td>JM5</td>
<td>3W</td>
</tr>
<tr>
<td>PM5</td>
<td>4W</td>
</tr>
<tr>
<td>Stanchion</td>
<td>Stanchion (Straight &amp; Angle)</td>
</tr>
<tr>
<td>910012729199 REV C</td>
<td></td>
</tr>
</tbody>
</table>

Dialight, 1501 Route 34 South, Farmingdale, NJ, USA 07727
Tel: 732 919 3119 Fax: 732 751 5778 www.dialight.com
**HV1 HazVertor Adaptor Ring**

**VL4 Straight**

**VS5 VS4 25°**

**VB3 Wall**

**VF3 VC3**

**VB2**

**(High Vibration)**

**VF2**

Wall

**VF3 VC3**

25° Stanchion

**VS5**

**(High Vibration)**

**VS4**

**VL4**

Straight Stanchion

**(High Vibration)**

**VL5**

**HV1 HazVertor Adaptor Ring**

**Pendant**

**Pendant Cone**

**VP2 VA2**

**WP3 VA3**

**Pendant Flexible**

**Ceiling**

**VP2 VC2**

**VF2 VC3**

**VB2 VB2-VIB**

**VN5**

**(High Vibration)**

**VS4 VS4-VIB**

**VS5 VS5-VIB**

**VL4 VL4-VIB**

**VL5 VL5-VIB**

**HAZD/STW Accessories Listed**

**ADxxxxxxxPxxxx**

For Models HZD/STW-P, ALxxxxxxPxxxx, and ADxxxxxxPxxxx see table below and use adapter supplied to mount to only those accessories listed.

- **Pendant:** KPA-75, KPA-100, KPAF-75, KPAF-100
- **Pendant Cone:** KPCH-75, KPCH-100
- **Ceiling:** KPC-75, KPC-100
- **Wall:** KPWB-75, KPWB-100
- **Stanchion:** KPS-125, KPS-150, KPST-125, KPST-150

**HVD/STW - A / ALxxxxxxAxxxxx / ADxxxxxxAxxxxx**

Models HZD/STW-A, ALxxxxxxAxxxxx, and ADxxxxxxAxxxxx are factory supplied with adapter to mount to Appleton pendant, ceiling, wall, and stanchion mounts. See table below and use adapter supplied to mount to only those accessories listed below:

- **Pendant:** KPA-75, KPA-100, KPAF-75, KPAF-100
- **Pendant Cone:** KPCH-75, KPCH-100
- **Ceiling:** KPC-75, KPC-100
- **Wall:** KPWB-75, KPWB-100
- **Stanchion:** KPS-125, KPS-150, KPST-125, KPST-150

**Taking into Operation**

Prior to operating, check the luminaire for its correct installation in compliance with these operating instructions and other applicable regulations. Note: This fixture is supplied with one dust cap and one certified blanking plug.

The cable entries should be securely tightened to achieve the minimum protection rating.

**WARNING:**

Do not over tighten as the protection rating may be compromised.

Suitably certified cable entries must be used which include a sealing washer to maintain the IP66/X7 rating of the enclosure.

The glands must be suitable for use within an operating temperature range of -40°C to +90°C.

**Conditions for Use**

When used with steel wired armor or braided cable the basket weave armor or braid is unable to carry the cable load without fracture. Therefore the cable must be clamped and cleated to prevent pulling on the cable being transmitted to the terminations.

Luminaires supplied with a fitted cable must be protected from direct or vibrational impact to prevent damage to the sheathing when operated in ambient temperatures below -30°C.

Improper installation and operation of this luminaire May invalidate the warranty. For maximum long term reliability and light output, the luminaire must be installed in free air.

The Area Light fixture design incorporates an over-temperature control circuit that reduces input power should internal temperatures reach a maximum level. In this event light output may be reduced.

**Maintenance**

To avoid personal injury, disconnect power to the light and allow the unit to cool down before performing maintenance.

**WARNING:**

Risk of electric shock. Removal of the lens will void the warranty.

Perform visual, mechanical and electrical inspections on a regular basis. We recommend routine checks to be made on a yearly basis. Frequency of use and environment should determine this. It is recommended to follow an Electrical Preventive Maintenance Program as described in NFPA 70B: Recommended Practice for Electrical Equipment.
The lens should be cleaned periodically as needed to ensure continued photometric performance. Clean the lens with a damp, non-abrasive, lint-free cloth. If not sufficient, use mild soap or a liquid cleaner.

Inspect the cooling fins on the luminaire to ensure that they are free of any obstructions or contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.

Do not operate if the lens is cracked or damaged. All fasteners should be properly seated.

This LED Luminaire should require a minimum amount of maintenance. If any unforeseen repairs are required then always observe explosion protection regulations and requirements.

**WARNING:** This LED Luminaire should not require any electrical maintenance. Never open the luminaire (other than the junction box lid if supplied); there are no user-serviceable parts inside.

**Disposal Recycling**  
When the apparatus is disposed of, the respective national regulations on waste disposal should be observed. WEEE (Waste electrical & electronic equipment) registration number WEE/DC2678RY.

**Inspection**  
Within the scope of a maintenance or inspection routine the following should be included: protective hoses covering the connection cables. Cable entries must be free of corrosion. Perform visual mechanical and electrical inspections on a regular basis. We recommend routine checks to be made on a yearly basis. Frequency of use and environment should determine this. It is recommended to follow an Electrical Preventive Maintenance Program as described in NFPA 70B: Recommended Practice for Electrical Equipment.

The lens should be cleaned periodically, as needed, to ensure continued photometric performance.

Clean the lens with a damp, non-abrasive, and lint-free cloth. If not sufficient, use mild soap or a liquid cleaner. Do not use and abrasive, strong alkaline, or acid cleaners as damage may occur.

Inspect the cooling fins on the luminaire to ensure that they are free of any obstructions or contamination (i.e. excessive dust build-up). Clean with a non-abrasive, damp cloth, if needed.

The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.

**Repairs / Overhaul / Modification**  
The relevant national regulations which apply to the maintenance / servicing of electrical apparatus in explosive atmospheres shall be observed.

Should the luminaire enclosure be damaged, only a replacement will be permitted. In case of doubt, the equipment should be returned to point of purchase for inspection/repair/replacement.

**WARNING:** Modifications to the device or changes to its design are not permitted. The equipment must be operated according to the intended purpose in a perfect and undamaged condition.

**Chemical Compatibility Guide**  
The chemical compatibility data referenced in this manual was supplied by the raw material manufacturers and is intended as a general guide. The data represents the basic material properties and does not necessarily represent the performance of the final product due to manufacturing process and design variations for each final product. Chemical compatibility is highly dependent on concentration, temperature, humidity, and other environmental conditions and therefore the customer assumes responsibility for evaluation of gaseous or direct contact chemical compatibility at their site prior to product installation.


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**Technical Data**  
**Area Light - General**

**Temperature**  
-40°F to +149°F [-40°C to +65°C]

**Housing Material**  
Powder Coated Aluminum

**Finish**  
Epoxy Powder Coat  
- Gray, RAL 7040  
- ACP Black, RAL 9017  
- Orange, RAL 2001  
- White, RAL 9010  
- Yellow, RAL 1018  
- Bronze, RAL 7022

**Lens**  
HZC/HZP / ALC/ALP Series - Glass  
All Other Series - Polycarbonate

**Dimensions**  
**HZC/HZP / ALC/ALP Series**  
10.7 x 9.7 x 5.8 in.  
[271 x 246 x 148 mm]

**All Other Series**  
10.7 x 9.7 x 6.6 in  
[271 x 246 x 167 mm]

**Weight**  
**HZC/HZP / ALC/ALP Series**  
14.5 lbs. [6.6 kg]

**All Other Series**  
10.2 lbs. [4.6 kg]
Technical Data
Certifications

STW/ALU/ADU Series
Locations
Suitable for wet locations
UL 1598/1598A

Intertek Certified to
UL 1598/ 1598A
CAN/CSA C22.2 No. 250

HZA/ALC Series
Temperature Rating
Ts (100°C) for Ta <= 45°C
T4a (120°C) for 45<= Ta <=65°C
Locations
Class I Division 1 Groups C, D
Class II Division 1 Groups E, F, G

Intertek Certified to
ANSI/UL-844
CAN/CSA C22.2 No. 137

HZP/ALP Series
Temperature Rating
Ts (100°C) for Ta <= 45°C
T4a (120°C) for 45<= Ta <=65°C
Locations
Class I Division 1 Groups B, C, D
Class II Division 1 Groups E, F, G

Intertek Certified to
ANSI/UL-844
CAN/CSA C22.2 No. 137

HZD/ALD/ADD Series
Temperature Rating
Ts (100°C) for Ta <= 45°C
T4 (135°C) for 45<= Ta <=65°C
Locations
Class I Division 2 Groups A, B, C, D
Class II Division 2 Groups E, F, G
Class III Division 1
Class III, Division 2

Intertek Certified to
ANSI/UL-844
CAN/CSA C22.2 No. 137

Technical Data
Certifications (cont.)

Please Note for 347-480V AC Models

Intertek Certified to
ANSI/UL-844
CAN/CSA C22.2 No. 137-M81

Technical Data
347-480V AC Models

Nominal AC Supply Voltage
347V AC, 50-60Hz, Single Phase
480V AC, 50-60Hz, Two Phase

Power Consumption
[Lumens] [W]
9000 66
7000 (Wide Optic) 64 (66 ADE)
7000 52 (54 ADE)
6000 40
4000 30
3500 27
3000 24

Power Factor (AC only) >0.95
ATHD (AC only) <5% @120VAC
<10% @230/240VAC
<12% @277VAC

Technical Data
24-48V DC Models

Nominal DC Supply Voltage
24-48V DC

Power Consumption
[Lumens] [W]
7000 71
5000 49
2000 27
Technical Diagrams

- **ANTI-ROTATION SCREW**
- **3/4” NPT INLET**
- **POTTING INSTALLED INTO BASE OF ENTRANCE (NOT SHOWN)**

Dimensions and labels are shown in the diagram, including:

- **12.0 [305]**
- **1.550 [39.1]**
- **1.350 [34.3]**
- **5.000 [127]**
- **2.310 [58.6]**
- **4.500 [114.3]**
- **4.900 [124.2]**
- **(4)Ø 0.335 [8.5]**
- **(4)Ø 0.265 [6.7]**
- **R 0.250 [6.3]**
- **R 0.430 [11.0]**

Additional details include:

- **90.0°**
- **(2)Ø 0.563 [14.3]**
- **[mm]**
Glass Series

- Coolings Fins
- Glass Lens
Polycarbonate Series

- Cooling Fins
- Polycarbonate Lens
Official Statement

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