

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.

Operation/Installation Instructions



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Note: Save these instructions for future



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.

WARNUNG: INSTALLATION UND ZWEITE ABHÄNGUNG.

Die Verwendung dieses Produkts ohne ordnungsgemäße Installation und Inspektionen, einschließlich einer zweiten Abhängung/eines Sicherheitsnetzes, könnte zu schweren Verletzungen oder Tod führen.

Dialight empfiehlt bei allen Installationen die Verwendung einer zweiten Abhängung und/oder eines Sicherheitsnetzes (entsprechend der Installationsumgebung). Es ist die ausschließliche Verantwortlichkeit des Vertragsnehmers, Monteurs und/oder Endkunden: (a) die Eignung des Produkts für seinen vorgesehenen Nutzungszweck zu bestimmen und (b) sicherzustellen, dass das Produkt sicher (mit ggf. zweiter Abhängung und/oder einem Sicherheitsnetz) und gemäß allen geltenden Gesetzen und Vorschriften montiert wird. Soweit gemäß dem geltenden Gesetz erlaubt, schließt Dialight jegliche Haftung für Körperverletzung und/oder andere Schäden aufgrund einer Entfernung oder anderen Positionsänderung dieses Produkts aus.

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.

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.

WARNING:

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 rules and regulations.

Safety Instruction:

To avoid electric shock:

- Be certain electrical power is OFF before and during installation and maintenance.
- Luminaire must be connected to a wiring system with an equipment-grounding conductor.
- Make sure the supply voltage is the same as the rated luminaire voltage.
- The technical data indicated on the LED luminaires are to be observed.
- Changes of the design and modifications to the LED luminaire are not permitted.
- Observe the national/regional electrical safety rules and regulations during installation.
- The LEDs of this luminaire are not replaceable; when the LEDs reach their end of life, the whole luminaire shall be replaced.
- Before the unit goes into service, ensure 4x lens frame safety screws (8-32 socket head cap screws and lock washers) have been factory installed. If reinstalling the frame, Loctite 425 should be used.

Equipment Application

This product can be used indoors only to illuminate areas of a light industrial location.

General Mounting Information

The luminaire may be mounted using the externally visible tabs and appropriately sized cable or chain.

Dialight sold mounting accessories are available and should be installed according to the instructions provided with the accessory.

WARNING: Please ensure the application structure can handle the weight of the luminaire. Dialight is not responsible for any damages to the application structure or the luminaire when mounted improperly.

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 electric 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 or lens. If in doubt, do not install.

Technical Data:

Locations: Suitable for Damp Locations

Temperature Range:

RHU***** (N) -40°F to +131°F
[-40°C to +55°C]
RHU***** (F/G) 50°F to +95°F
[+10°C to +35°C]

Rated Input Voltage:

RHU** (2/8)***** 100-277 VAC
50/60Hz
RHU** (5/9) * (D/E/G/J/K)**** (N) 347-480 VAC
50/60Hz

Power Consumption:

RH**** (2/8) C***** 123 W
RH**** (2/8) E***** 163 W
RH**** (2/8) F***** 199 W
RH**** (2/8) H***** 239 W
RH**** (2/8) L***** 325 W
RH**** (2/8) N***** 398 W
RH**** (2/8) R***** 478 W
RH**** (5/9) C***** 125 W
RH**** (5/9) E***** 166 W
RH**** (5/9) F***** 203 W
RH**** (5/9) H***** 244 W
RH**** (5/9) L***** 331 W
RH**** (5/9) N***** 406 W
RH**** (5/9) R***** 487 W

***NOTE: ON MODELS EQUIPPED WITH BATTERY BACKUP, UNIT MAY CONSUME UP TO AN ADDITIONAL 6W DURING CHARGING.**

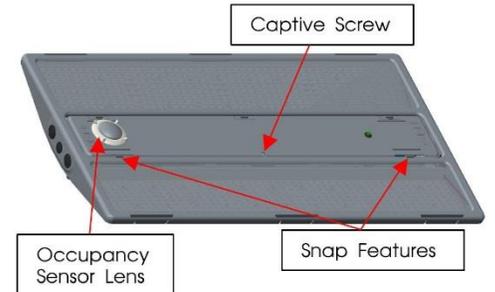
***NOTE: ON MODELS EQUIPPED WITH UPLIGHTING, UNIT MAY CONSUME UP TO AN ADDITIONAL 10% OF WATTAGE.**

Weight:

RH**** (C/E/F/H)***** 18-25 lbs.
[8.2-11.3 kg]
RH**** (L/N/R)***** 41-56 lbs.
[18.6-25.4kg]

Dimensions: See Technical Diagrams

To close the luminaire, ensure there are no wires or other obstructions that will prevent the access cover to close. Swing the cover closed and ensure the two snap features have engaged. If the luminaire is equipped with an occupancy sensor, re-install the lens by sliding it onto the sensor and then twisting ¼ turn clockwise until snug. Then tighten the captive screw on the access cover. Torque to 14-16 in-lbs.



Electrical Connections

The luminaire may be supplied from the factory with a three core colored cable.

If no cable is factory installed, the unit will be supplied with a customer interface harness that has six-inch flying leads. Connect directly to the interface harness using an appropriate wire connector (Lever nut, wire nut, etc.). The supply cable must be at least 18 AWG and rated to 90°C minimum. A suitably sized ½" or ¾" NPT cable gland must also be used.

100-277 VAC SINGLE PHASE – NORTH AMERICA		
SYMBOL	COLOR	CONNECTION
	GREEN	EARTH
N	WHITE	NEUTRAL
L	BLACK	LIVE
DIM +	VIOLET	DIMMING
DIM -	GREY	DIMMING

347 VAC SINGLE PHASE – NORTH AMERICA		
SYMBOL	COLOR	CONNECTION
	GREEN	EARTH
N	RED	NEUTRAL
L	BLACK	LIVE
DIM +	VIOLET	DIMMING
DIM -	GREY	DIMMING

NOTE: The cabling used 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.

NOTE: The addition of cable glands, dust caps, electrical plugs, or occupancy sensors may change the IP rating of this luminaire.

WARNING: Do not over tighten as the protection rating may be compromised. Always refer to the gland manufacturer's data for torque settings.

Opening/Closing the Luminaire:

To open the luminaire, the access cover captive screw must be loosened. If the luminaire is equipped with an occupancy sensor, rotate the lens ¼ turn counterclockwise and remove. The two snap feature tabs may then be depressed to allow the access cover to swing open.



480 VAC THREE PHASE – NORTH AMERICA		
SYMBOL	COLOR	CONNECTION
	GREEN	EARTH
L2	RED	LINE 2
L1	BLACK	LINE 1
DIM +	VIOLET	DIMMING
DIM -	GREY	DIMMING

100-277 VAC BATTERY BACKUP SWITCH LIVE – NORTH AMERICA		
SYMBOL	COLOR	CONNECTION
	GREEN	EARTH
L	BLACK	PERMANENT LIVE
L'	YELLOW	SWITCH LIVE
N	WHITE	NEUTRAL
DIM +	VIOLET	DIMMING
DIM -	GREY	DIMMING

NOTE: For maintained battery backup, connect the black wire to the supply permanent live and the yellow wire to the supply switch live. For sustained battery backup, connect both the yellow and black wires to the supply live.

WARNING:

To be installed and/or used in accordance with appropriate electrical codes and regulations.

To avoid fire and electrical shock, turn off power at circuit breaker or fuse and test that the power is off before wiring.

0-10VDC Dimming (If Applicable)

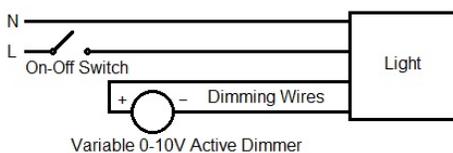
Dimming is controlled by means of a 0-10 VDC signal (to be provided by the installer) to control the level of dimming. At 10 volts, the output of the unit is 100%; at 0 volts, the output will shut off. The DC dimming voltage should not exceed 15 VDC. Increasing the voltage from 10VDC to 15VDC will not result in additional light output.

WARNING: Never connect the dimming wires to the Hot or Neutral supply wires.

Variable Voltage Control

An analog 0-10 V 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.

The dimmer must be capable of sinking 0.5 mA per light. Light output will vary approximately linearly with control voltage, with 10 V corresponding to 100% light output.



NOTE: Simply shorting the two wires together will cause the light to shut off.

Taking into Operation

Prior to operating, check the luminaire for its correct installation in compliance with these operating instructions and other applicable regulations.

Conditions for Use

The supply to the luminaire must include a fuse or circuit breaker that is capable of interrupting a 1.5 kA short circuit current.

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

WARNING: Improper installation, operation, or maintenance of this luminaire may result in the invalidation of the warranty, certificate, or declaration of conformity.

Maintenance

This LED luminaire should require a minimum amount of maintenance. If any unforeseen repairs are required, please contact Dialight or its authorized representative.

Inspection

Within the scope of maintenance or inspection routine, the following should be included:

- Protective hoses should be covering the connection cables.
- Cable entries must be free of corrosion.
- 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.
- Inspect the luminaire to ensure that it is free of any obstructions or contamination (i.e. excessive dust build up). Clean with a non-abrasive cloth if needed.
- 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.

Repairs / Overhaul / Modification

The equipment must be operated according to the intended purpose in an undamaged condition.

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

Upgradable/Replacement Parts

The following are offered from Dialight as field upgradable or replaceable parts.

Lenses, Drivers, Surge Protectors, Battery Backup Systems, Battery Packs, Occupancy Sensors, Wireless Controls Modules.

Contact Dialight for all necessary installation instructions pertaining to replacement or upgradable parts.

Uplight

When equipped with factory-installed uplight, luminaires will provide approximately 10% of downlight lumens upwards.

Occupancy Sensors

Optional occupancy sensors will dim or turn off the luminaire when an area is not occupied. They are available in manual control or Bluetooth enabled models. See manufacturer website for additional information (Legrand WattStopper).

For models RHU****(E/G)**** see operating instructions at the link below:

<https://www.legrand.us/wattstopper/fixtures-sensors-and-controls/fixture-sensors/fsp3x1b.aspx>

For model RHU****(F)**** see operating instructions at the link below:

<https://www.legrand.us/wattstopper/fixtures-sensors-and-controls/fixture-sensors/fsp-2x2.aspx>

Battery Backup

Battery backup modules come with an indicator light/test switch. To test battery function, press and hold test button to enter battery backup mode. For indicator light functions see table below.

LED Indicator Status	EM Driver Status/Mode
Solid Green	System OK/AC OK
Slow Flashing Red 4s on / 1s off	Battery not detected, check connections
Flashing Red 1s on / 1s off	Battery Failure Replace Battery
Flashing Green 2s on / 2s off	Self-Diagnostic Test Underway
Fast Flashing Red 0.1s on / 0.1s off	Abnormal Driver Perf Replace Driver
None. Both LED's off	Normal working in EM Mode
Very Slow Flashing Red 1s on / 7s off	OTM or other internal protections triggered

*OTM=Over Temp Protection; ensures max temperature ratings are not exceeded.

Wireless Controls

For luminaires equipped with wireless controls capabilities, refer to the Dialight IntelliLED™ Gateway Quick Start Guide for operating instructions.

Surge Protection

Luminaires with additional surge protection will have 10kV surge capabilities. If a surge is encountered, the module will prevent the luminaire from turning on and will need to be replaced.

Disposal & Recycling

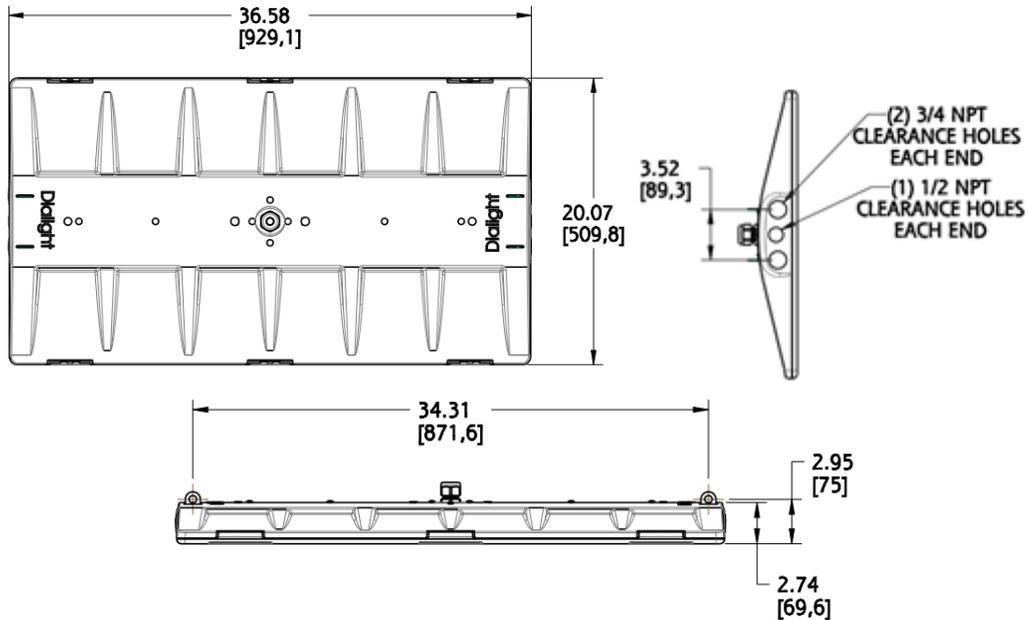
When the apparatus is disposed of, the respective national regulations on waste disposal should be observed.



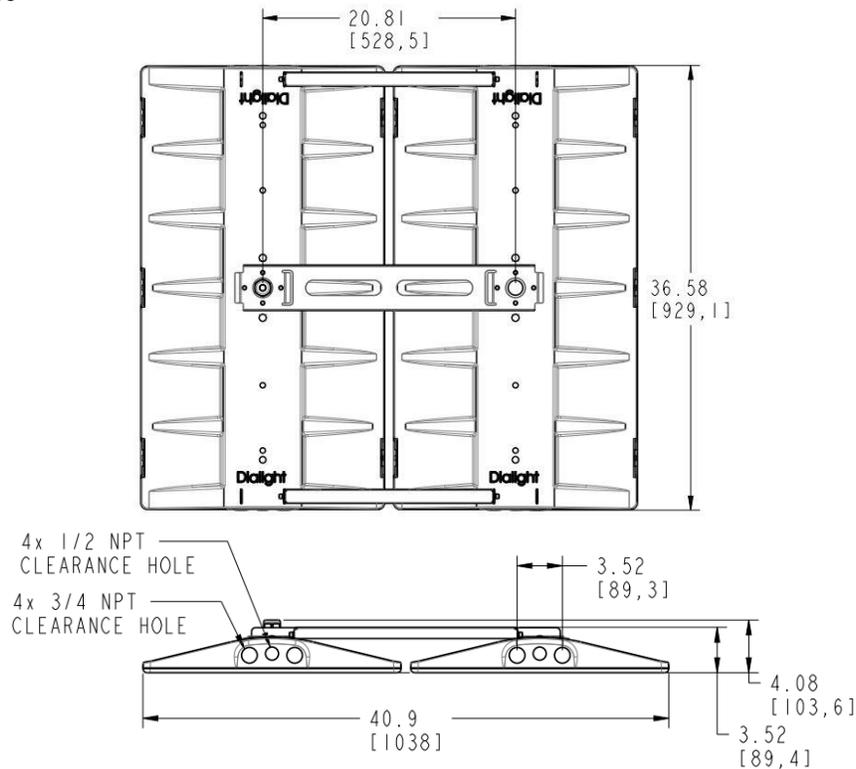
Technical Diagrams

Dimensions: in [mm]

Base Model Luminaire



Tandem Side by Side Luminaire



Official Statement

All statements, technical information, and recommendations contained herein are based on information and tests that Dialight believes to be reliable. The accuracy or completeness thereof is not guaranteed. In accordance with Dialight "Terms and Conditions of Sale" and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his or her intended use and assumes all risk and liability whatsoever in connection therewith.

