

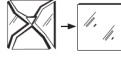
LINEAGROUND HP

COD 201101 201105 201109 201113

ASSEMBLY AND OPERATING INSTRUCTIONS:



-Class I fitting electric grounding is needed



- replace the damaged protective glass
- sostituire i vetri di protezione se danneggiati
- die Beschädigten Schutzgläser ersetzen
- remplacer les verres de protection abimés
- glass features: plane float glass - safety tempered
- caratteristiche vetro: vetro piano float di sicurezza temperato
- Glaseigenschaften: Float-Flachglas, gehärtetes Sicherheitsglas
- caractéristiques du verre: type de verre: plan "float" de sûreté trempé



-getting rid of as urban waste forbidden
-separate collection is mandatory when the product is at the end of its life

CE Made in Italy IP67 IK10



Retain the instructions

The article is suitable for indoor and outdoor use

-Electronic equipment sensitive to voltage surges. The installation of a protective device against overvoltages on the electrical system attenuates the phenomena protecting apparatus from the risk of damage.

Do not use high pressure cleaners

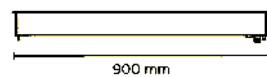
NB: These assembly instructions must be given to end users for correct maintenance and so that they know how to change the bulb. The appliance must not be tampered with or transformed and it must be installed and used as supplied and in compliance with the National Rules on Installations. Any non-compliant installations will invalidate all forms of guarantee. The company cannot be held responsible for damage caused by incorrect assembly.

<p>COD. 201101</p>	<p>LUMINAIRE</p>			<p>LINEAGROUND 300 HP -Power consumption : 12W -Voltage : 220-240V 50-60Hz -Color Temperature : 2700K - 3000K - 4000K -Beam angle : 15° 35° 55° Asymmetric-Wall washer -Insulation class: I -IP protection: IP67 -IK rating IK10 -Adjustable: +15°-15° -Gross weight: 3kg -Photobiological risk RG1 – IEC/ TR 62778:2014 -Glass temperature 51°C</p>
	<p>RECESS HOUSING</p>			
<p>COD. 201105</p>	<p>LUMINAIRE</p>			<p>LINEAGROUND 600 HP -Power consumption : 24W -Voltage : 220-240V 50-60Hz -Color Temperature : 2700K - 3000K - 4000K -Beam angle : 15° 35° 55° Asymmetric-Wall washer -Insulation class: I -IP protection: IP67 -IK rating IK10 -Adjustable: +15°-15° -Gross weight: 5,5kg -Photobiological risk RG1 – IEC/ TR 62778:2014 -Glass temperature 51°C</p>
	<p>RECESS HOUSING</p>			

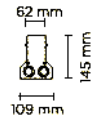
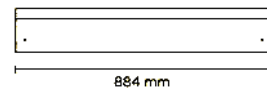
COD. 201109



LUMINAIRE



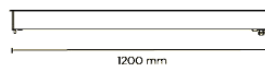
RECESS HOUSING



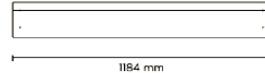
LINEAGROUND 900 HP

- Power consumption : 36W
- Voltage : 220-240V 50-60Hz
- Color Temperature : 2700K - 3000K - 4000K
- Beam angle : 15° 35° 55°Asymmetric-Wall washer
- Insulation class: I
- IP protection: IP67
- IK rating IK10
- Adjustable: +15°-15°
- Gross weight: 7kg
- Photobiological risk RG1 – IEC/ TR 62778:2014
- Glass temperature 51°C
- Max static weight 5000kg

COD. 201113

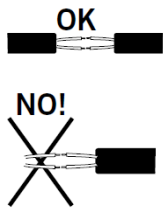


RECESS HOUSING



LINEAGROUND 1200 HP

- Power consumption : 48W
- Voltage : 220-240V 50-60Hz
- Color Temperature : 2700K - 3000K - 4000K
- Beam angle : 15° 35° 55°Asymmetric-Wall washer
- Insulation class: I
- IP protection: IP67
- IK rating IK10
- Adjustable: +15°-15°
- Gross weight: 9,5kg
- Photobiological risk RG1 – IEC/ TR 62778:2014
- Glass temperature 51°C
- Max static weight 5000kg



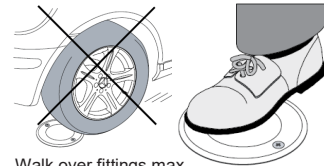
Use only supply cables with double case



H07RN-F

1,5 mm²

Use only <HAR> flexible cables of suitable diameter. DO NOT USE HARD CABLES OR ARMORED CABLE (hard cable could effect the IP65-IP67 protection)



Walk over fittings max static weight 5000kg

LINEAGROUND

- The luminaire is supplied by us with LED illuminator already installed with built in SELV power supply.
- If the external flexible cable of this luminaire is damaged, it must only be replaced by the manufacturer, its assistance service, or equivalent qualified personnel, in order to avoid dangers.
- Luminaire for installation in restricted access areas
- The cable and the fixture must not be tampered with for any reason.
- It is essential to do a frequent cleaning of the glass and of the outer surface of the fixture to avoid build up of mud and dirtiness resulting in dangerous overheating due to uncorrect light and heat dissipation. Clean carefully the glass screen removing limestone deposits by means of a scraper.
- The replacement must be done by a qualified electrician.
- To replace the LEDs, contact the company: PUK ITALIA GROUP srl - via San Giorgio 16 - 20851 LISSONE (MB) ITALY

Recommendations

- 1) verify that the equipment used to connect our devices to enjoy all the guarantees required under European law;
- 2) use the cables, connectors and quality materials for electrical wiring;
- 3) Products with IP65/68 degree make the wiring / connections with accessories provide the same degree IP of the selected product (available in the catalog);
- 4) In the case of installations outside is not recommended to install the power supplies in the formwork and / or in the junction box without adequate protection
- 5) Terminal block not included. Installation may require advice from a qualified person. For wiring use a terminal complies with EN60998-2-1, EN 60998-2-2

Choice of installation location

The unit should be positioned so that when in use is not subject to direct radiation from the sun or other heat sources . High temperatures reduce the life and efficiency of the components or the LED module .

Note on corrosion protection

- Install recessed in the ground so that water can flow away from the surface of the device. Both for the recessed directly in the ground , both for the use of a recessed housing , it is necessary to perform a further drainage , for example , using a bed of gravel.- For installation and maintenance must be especially careful not to damage the coating powder . Damage combined action of water could cause corrosion.

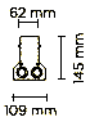
Recommend mounting the device to the floor with a pH value between 5 and 8. In ambient environment the assembly and maintenance of all components require the appropriate security measures . The chemicals damage the corrosion protection

INSTALLATION:

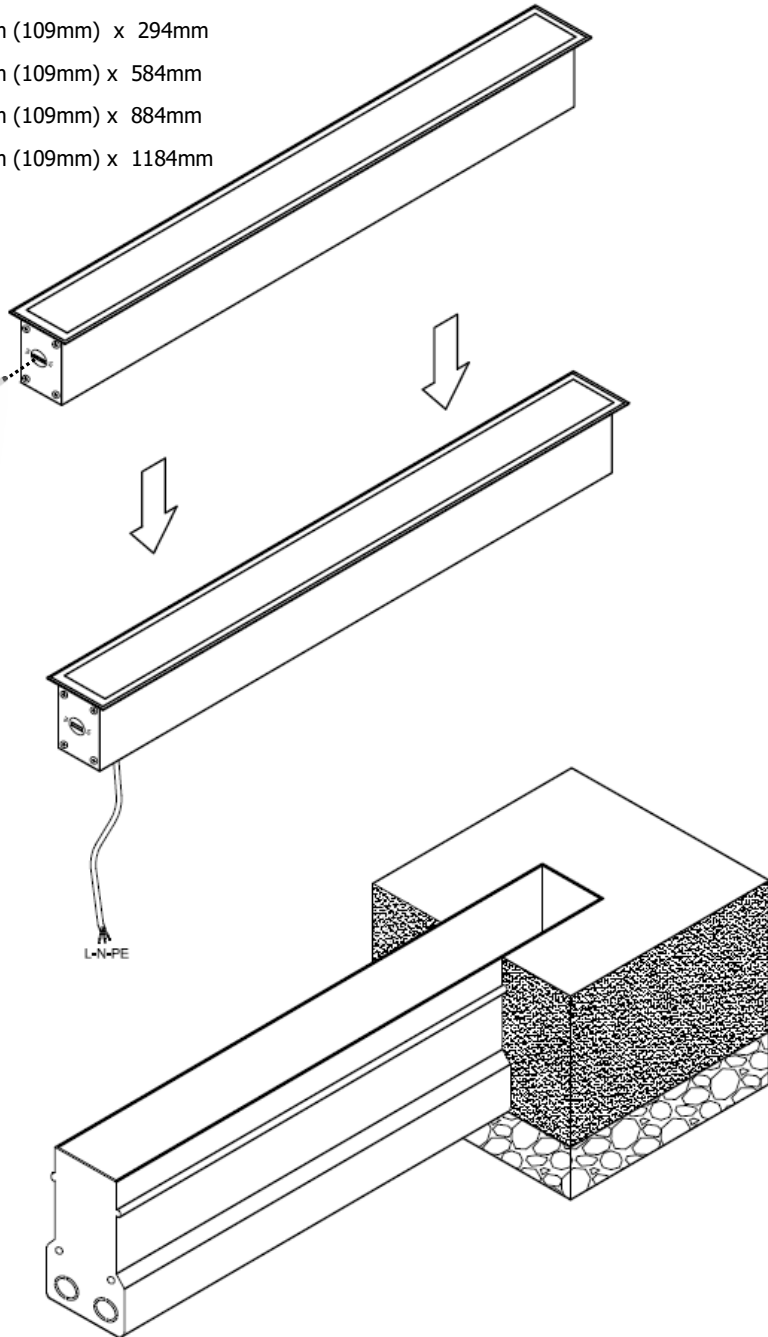
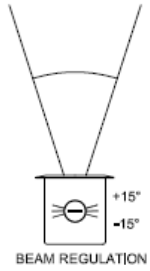
-SWITCH-OFF THE POWER SUPPLY BEFORE CARRYING OUT ANY MAINTENANCE OPERATIONS

1. place the formwork 145mm from floor level provide to made a drainage bed minimum 20cm
2. Connect the power cable to the initial power supply line using the appropriate connector
3. Regulate the light beam position acting on the lateral screw by a screwdriver (before unscrew and remove the covering cup)
4. Insert the device in the formwork in corrispondence the four pin blocks until they lock in the correct position

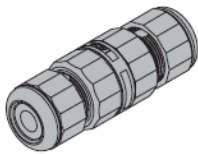
Hole for recessing



- Cod. 201101 62mm (109mm) x 294mm
- Cod. 201105 62mm (109mm) x 584mm
- Cod. 201109 62mm (109mm) x 884mm
- Cod. 201113 62mm (109mm) x 1184mm



CLASS I



See the connector accessory instruction

L	Life / Linea / Leitung Ligne / Linea / Fas Fase / Фаза / Vaihe Linha	Brown / Marrone / Braun Brun / Marrón / Brun Bruin / коричневый / ruskea Marrom
N	Neutral / Neutro / Null Neutre / Neutro / Nolla Nul / Ноль / Nolla Neutro	Blue / Blu / Blau Bleu / Azul / Blå Blauw / СИНИЙ / Sininen Azul
	Earth / Terra / Erde Terre / Tierra / Jord Aarde / Земля / Suojamaa Terra	Yellow-Green / Giallo-Verde / Gelb-Grün Jaune-Vert / Amarillo-Verde / Gul-Grön Geel-Groen / Желто-зеленый Keltainen-Vihreä / Amarelo-Verde

DALI

The DALI control voltage is a functional extra low voltage (FELV). During installation, ensure that the basic insulation between the main power supply line (LV) and the BUS DALI control conductors

Cable colors:

L Live Brown
N Neutral Blue
PE Earth Yellow/green



DALI 1 BLACK
DALI 2 GREY
EARTH YELLOW/GREEN
NEUTRAL BLUE
LIVE BROWN

DA Da=Dali 1 Black
DA Da=Dali 2 Grey



RAEE - WEEE

- GB** Directive 2002/96/CE (Waste Electrical and Electronic Equipment - WEEE): information for users
The crossed out wheeled bin label that can be found on your product indicates that this product should not be disposed of via the normal household waste stream. To prevent possible harm to the environment or human health please separate this product from other waste streams to ensure that it can be recycled in an environmentally sound manner. For more details on available collection facilities please contact your local government office or the retailer where you purchased this product.
- I** DIRETTIVA 2002/96/CE (Rifiuti di Apparecchiature Elettriche ed Elettroniche - RAEE): informazioni agli utenti
L'etichetta con il cassonetto barrato presente sul prodotto indica che il prodotto non deve essere smaltito tramite la procedura normale di smaltimento dei rifiuti domestici. Per evitare eventuali danni all'ambiente e alla salute umana separare questo prodotto da altri rifiuti domestici in modo che possa venire riciclato in base alle procedure di rispetto ambientale. Per maggiori dettagli sui centri di raccolta disponibili, contattate l'ufficio governativo locale o il rivenditore del prodotto.
- D** Richtlinie 2002/96/EU (Elektro- und Elektronik- Altgeräte - WEEE):
Benutzerinformationen
Der Aufkleber mit durchgekreuzter Mülltonne an diesem Produkt weist darauf hin, dass dieses Produkt nicht im normalen Hausmüll entsorgt werden darf. Zur Vermeidung einer möglichen Beeinträchtigung der Umwelt oder der menschlichen Gesundheit darf dieses Produkt nicht in den Hausmüll gegeben werden, um zu gewährleisten, dass es in einer umweltverträglichen Weise recycelt wird. Wenden Sie sich für Informationen zu Entsorgungseinrichtungen an die zuständige Behörde oder das Geschäft, in dem Sie dieses Produkt erworben haben.
- F** Directive 2002/96/CE (Déchets d'équipements électriques et électroniques - DEEE):
informations aux utilisateurs
L'étiquette apposée sur ce produit et représentant une poubelle à roulettes rayée indique que le produit ne peut être mis au rebut avec les déchets domestiques normaux. Afin d'éviter d'éventuels dommages au niveau de l'environnement ou de la vie humaine, veuillez séparer ce produit des autres déchets de manière à garantir qu'il soit recyclé de manière sûre au niveau environnemental. Pour plus de détails sur les sites de collecte existants, veuillez contacter l'administration locale ou le détaillant auprès duquel vous avez acheté ce produit.
- E** Directiva 2002/96/CE (Residuos de aparatos eléctricos y electrónicos - RAEE):
Información para el usuario
La etiqueta de un contenedor tachado que hallará en su producto indica que este producto no se puede tirar con la basura doméstica normal. Para impedir posibles daños medioambientales o para la salud, separe este producto de otros canales de desecho para garantizar que se recicle de una forma segura para el medio ambiente.
Para más información sobre las instalaciones de recolección disponibles, diríjase a las autoridades locales o al punto de venta donde adquirió este producto
- SE** Directive 2002/96/CE (Waste Electrical and Electronic Equipment - WEEE) information for users

Symbolen med en överkorsad soptunna innebär att denna produkt inte får kastas i vanligt hushållsavfall. För att skydda miljön och hälsan bör denna produkt inte kastas tillsammans med vanligt hushållsavfall utan i ämnas för återvinning på tillbörligt sätt. Örmer information om uppsamlingsplatser, kontakta en lokal myndighet eller den återförsäljare som du köpte produkten från.



NL Richtlijn 2002/96/EG (Afgedankte Elektrische en Elektronische Apparaten - AEEA):

informatie voor de gebruikers
Op uw product is een label van een rolcontainer met een kruis erdoor aangebracht. Dit wil zeggen dat dit product niet bij het normale huishoudelijk afval mag worden gedaan. Om eventuele schade aan het milieu of de gezondheid van de mens te voorkomen moet dit product gescheiden van al het ander afval worden ingezameld, zodat het op een verantwoorde wijze kan worden verwerkt. Voor meer informatie over uw lokale afvalinzameling wendt u zich tot uw gemeente of de leverancier bij wie u dit product hebt gekocht.

This information only applies to customers in the European Union, according to Directive 2002/96/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 27 January 2003 on waste electrical and electronic equipment (WEEE) and legislation transposing and implementing it into the various national legal systems.