



KILLARK®

INSTALLATION, OPERATION & MAINTENANCE DATA SHEET

FOR
KFLH and KFL2H SERIES LED LUMINAIRE FLOOD



KFLH and KFL2H SERIES LED LUMINAIRE FLOOD

CAUTION:

Before installing, make sure you are compliant with area classifications, failure to do so may result in bodily injury, death and property damage. Do not attempt installation until you are familiar with the following procedures. All installation must comply with the applicable Electrical Code.

Make sure that the circuit is de-energized before starting installation or maintenance.

Verify that the installation is grounded. Failure to ground will create electrical shock hazards, which can cause serious injury and or death.

IMPORTANT:

Please read these instructions carefully before installing or maintaining this equipment. Good electrical practices should be followed at all times and this data should be used as a guide only.

Technical information, advice and recommendations contained in these documents is based upon information that Killark believes to be reliable. All the information and advice contained in these documents is intended for use only by persons having been trained and possessing the requisite skill and know-how and to be used by such persons only at their own discretion and risk. The nature of these instructions is informative only and does not cover all of the details, variations or combinations in which this equipment may be used, its storage, delivery, installation, check out, safe operation and maintenance. Since conditions of use of the product are outside of the care, custody and control of Killark, the purchaser should determine the suitability of the product for his intended use, and assumes all risk and liability whatsoever in connection therewith.



3940 Dr. Martin Luther King Drive
St. Louis, MO 63113

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Luminaires are designed to be installed in Hazardous Locations: Class I, Division 2, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; Class III; T3C, T4A or T5 (Class I, Div. 2), T3B or T3C (Class II, Div. 1), T3B or T3C (Class I, Div 2 / Class II, Div. 1 Simultaneous Exposure); Type 4X; Type 6P; Marine Rated (US only); IP66.

IEC Zone 2. IEC 60079-15 and IEC 60079-31 Zone 2 type of protection Ex nA (non-sparking), Zone 21 type of protection Ex tb (dust).

IECEX certificate IECEX QPS 15.0011.

ATEX certificate CML15ATEX4079 (nA)

CML15ATEX3080 (tb).

ATTENTION: Avant d'installer le luminaire, s'assurer que le luminaire est conforme à la classification des zones, le non-respect de cette règle risque d'entraîner des dommages corporels et / ou matériels. Ne pas tenter d'entreprendre l'installation avant d'être familiarisé avec les procédures suivantes. Toute installation doit être conforme au code électrique local et / ou national et être effectuée par un électricien qualifié.

Veiller à ce que le circuit soit mis hors tension avant de commencer l'installation ou la maintenance.

Vérifier si le luminaire est mis à la terre. S'il n'est pas mis à la terre il pourrait causer des risques de choc électrique susceptibles d'entraîner des blessures graves ou la mort.

NOTE: Due to the surge protection provided in the fixture to protect the internal electronics and LEDs, a branch circuit with the LED fixture may false fail a megohmmeter test (sometimes referred to as a megger test). If a megohmmeter test is required, the LED fixture should be removed from the branch circuit.

Multiple fluorescent or LED fixtures attached to a single Ground Fault Circuit Interrupter (GFCI) may cause nuisance tripping of the GFCI. Regulatory agencies allow a small amount of leakage current because of the circuitry required to mitigate possible issues with electromagnetic compatibility (reference UL8750 and EN61347). The summation of these leakage currents from multiple fixtures may be enough to trip a GFCI.

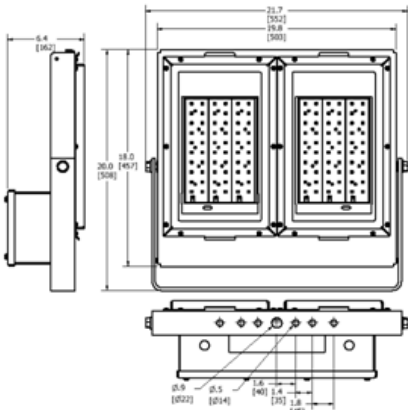
NOTE- For Class I, Division 2 / Class II, Division 1 / Class I, Zone 2 Hazardous Locations, use rigid conduit or appropriate cable connectors/ glands rated for Class I, Division 2 Groups BCD (or IEC Zone 2 IIC, IEC Zone 21 IIIC) hazardous areas.

NOTE – Pour les endroits dangereux Classe I, Division 2 / Classe II, Division 1 / Classe I, Zone 2 utiliser des Conduits rigides.



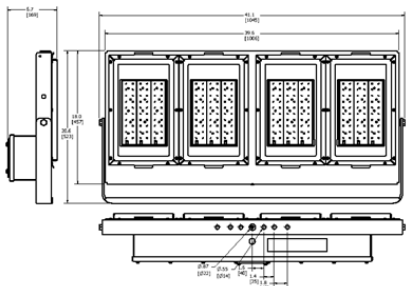
INSTALLATION INSTRUCTIONS FLOOD LIGHT WITH YOKE MOUNT

(See Figure 1 KFLH shown, KFL2H similar)



KFLH

25 lbs/11.3kg windage Area 336in²/.217m²



KFL2H

58 lbs/26.4Kg Windage Area 683in²/.441m²

1. For convenience, install the yoke bracket to the fixture before mounting the structure.
2. Loosen bolts - aim the floodlight to the desired spot.
3. Tighten both bolts securely.
4. Fasten the yoke bracket to the mounting location using ½" bolts/fasteners.
5. The side of the fixture has a hole for the "Earthquake Safety Chain."

IMPORTANT NOTE

Turn **OFF** electricity to circuit at main fuse or at circuit breaker.

NOTE IMPORTANTE

Mettez le circuit hors tension grace au fusible principal ou le disjoncteur.

1. For NEC installation connection to the black (Line), white (Neutral) and green (Ground/ Earth) can be made with appropriate wire connectors outside of the fixture, the connectors can be placed in the fixture through the hub. If terminal blocks are being used, loosen the screws and remove the driver compartment cover. The screws should be retained in the cover by the cover gasket. See Figure 2 for more details
2. If terminal blocks are used, discard the wires on the entry side of the terminal block. Run supply wire to fixture through applicable hub. Make watertight joint using sealing fittings at appropriate hole. The included hubs are for ¼"-14NPT. A ½"-14NPT reducer is also included. The holes through the sheet metal in the driver compartment are for an M20 cable gland. To use an M20 cable gland, discard the ¾ NPT hubs.
3. **CAUTION** - Connection as described below requires the use of either insulated wire nuts or, as an alternate, a factory installed terminal block assembly. See below:
3. **ATTENTION** - Le raccordement décrit ci-dessous nécessite l'utilisation de connecteurs rapides isolés ou, alternativement, un bloc de jonction installé en usine. Voir ci-dessous:
4. Replace the driver compartment cover (KFLH) or access cover (KFL2H). Securely tighten the screws. (40 in-lbs ± 5 in-lbs/4.5N-m ± 0.6 N-m) See Figure 2 for more details.
5. Turn **ON** electricity to verify fixture is operating properly.

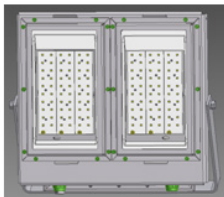


Figure 1

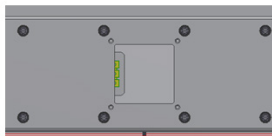
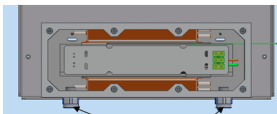


Figure 2

KILLARK® **Chalmit**

Victor
Lighting

Vantage
Technology

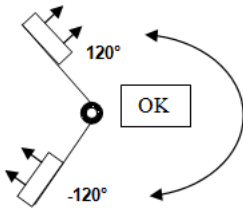
RIG POWER

HAWKE
International

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Aiming Designations

In environments with high dust, the dust will cover the lens and increase the temperature of the fixture. In a high dust environment use the aiming diagram shown below. The angle shown left will keep dust from accumulating on the lens.

Optional Dark Skies Reflector

1. Remove the top 10 screws from the lens frame. See Figure 3. The KFL2H will use two reflectors.
2. Place the dark skies reflector over the screw holes and replace the screws.
3. The dark skies reflector will meet the "Full Cutoff" photometric requirements when the fixture is aimed at 45 degrees or less with respect to the ground.

Optional Guard

The guard snaps over the front of each lens frame. The KFL2H will use 4 guards. See Figure 4.

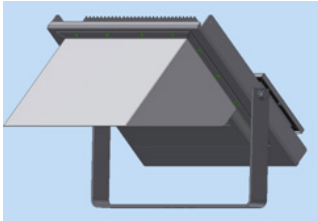


Figure .3



Figure .4

MAINTENANCE INSTRUCTIONS

CAUTION

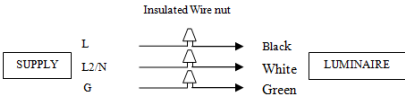
Disconnect the supplying circuit before opening fixture or removing optics. To maintain maximum light output, this fixture should be cleaned periodically. Maintenance procedures sometimes require fixtures to be hosed down for good housekeeping. The supply circuit must be turned **OFF** and the fixture lens must be allowed to cool to the ambient room temperature before cleaning. Only mild, non-abrasive cleaning agents should be used. The force of water applied by a hose must not exceed 65 gallons per minute coming from a 1" diameter hose applied at a distance of 10 feet. These periodic cleaning procedures are important to prevent the accumulation of dust and dirt which will impair the light output of the fixture. The glass lens should be regularly inspected for scratches and chips and, if damaged, must be replaced.

HIGH VIBRATION AREAS

Periodic inspection of lens tightness is required; recommended every six (6) months.

Class and Division Area Only Connection Method (Insulated Wire Nuts)

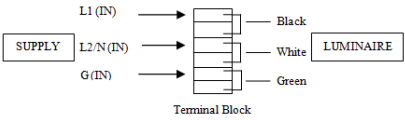
INSTRUCTIONS DE MAINTENANCE



ATTENTION

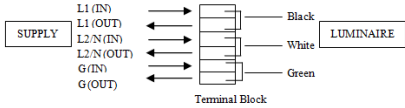
Mettre le circuit hors tension avant d'ouvrir le luminaire ou avant d'enlever les optiques. Afin de maintenir un maximum d'émission lumineuse, ce luminaire doit être nettoyé régulièrement. Les procédures de maintenance exigent parfois le lavage au jet des luminaires.

Connection Method (Insulated Terminal Block Assembly) Standard Wiring Method



Mettre hors tension et la lentille du luminaire doit pouvoir refroidir jusqu'à la température ambiante avant le nettoyage. N'utiliser que des produits de nettoyage doux et non abrasifs.

Connection Method (Insulated Terminal Block Assembly) Standard Wiring Method



La force appliquée par le jet d'eau ne doit pas dépasser 65 gallons par minute s'il s'agit d'un tuyau de 1" de diamètre à une distance de 10 pieds. Ces opérations de nettoyage périodiques sont importantes pour éviter l'accumulation de poussières et de salissures qui risquent d'affaiblir l'émission de lumière du luminaire. La lentille de verre doit être inspectée régulièrement pour déceler toute trace de rayure et d'écaillage et, si elle est endommagée, elle doit être remplacée.

ZONES A VIBRATIONS ELEVES

L'inspection périodique de la lentille est obligatoire; recommandée tous les six (6) mois.

REMEMBER TO SAVE ONE OF THESE SHEETS FOR MAINTENANCE PERSONNEL



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