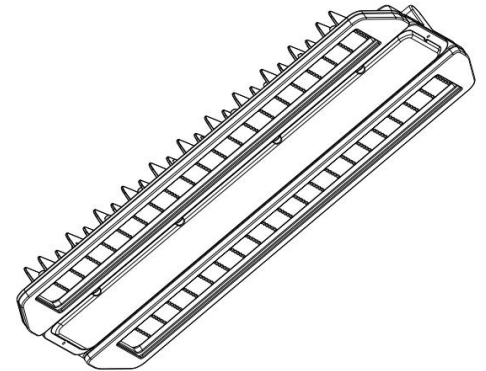


# SBAL Area Lighting Luminaries

(KLHB100LSP KLHVHB100LSP KLHB150LSP KLHVHB150LSP KLHB210LSP  
KLHVHB210LSP KLHB240LSP KLHVHB240LSP)

## INSTALLATION INSTRUCTIONS

- Turn power off before inspection, installation or removal.
- Properly ground electrical enclosure.
- Make sure all install firmly.
- Use only UL or IEC approved wire for input/output connections.
- Minimum size of the AC wires 18 AWG.
- The luminaries must be installed by qualified electrician.
- Other warnings that will not lead to misuse.



### Descriptions:

- This luminaries is designed for outdoor lighting applications, and should not be used in areas of limited ventilation, or in high ambient temperature enclosures.
- This luminaries is designed to operate in ambient temperatures ranging from -40°C to 50°C and to be mounted horizontally on a vertical wall with LEDs facing down.
- This luminaries is designed use in wet Location, should be not used In water

### Installation:

#### ● Unpacking

This luminaries has been properly packed ,should be no part damaged during The transit.

Inspect after open the package to confirm any thing missing or damaged.

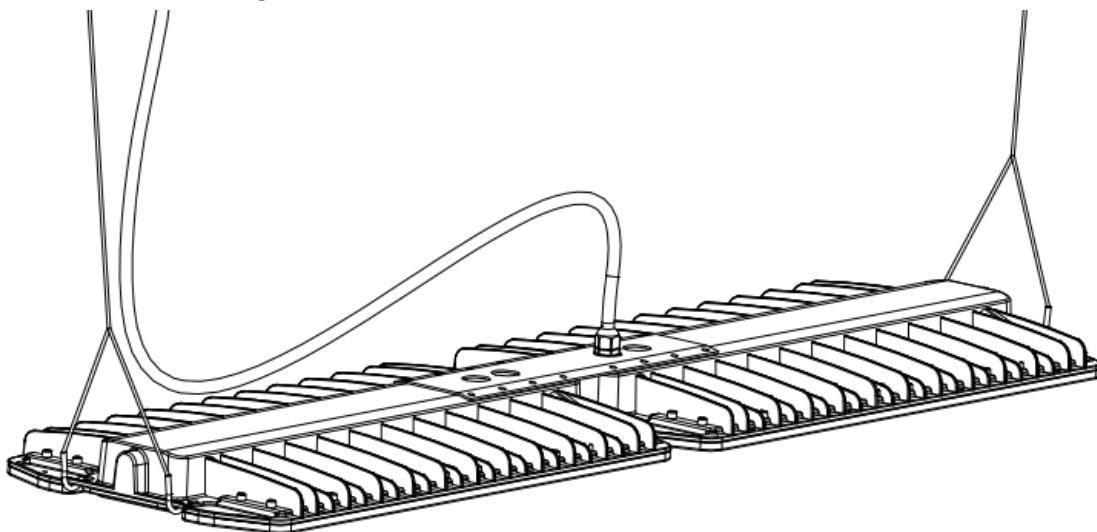
#### ● Handling

Damage may occur if luminaries is improperly handled outside of pack ,Do not impact or stack luminaries after removal from packaging.

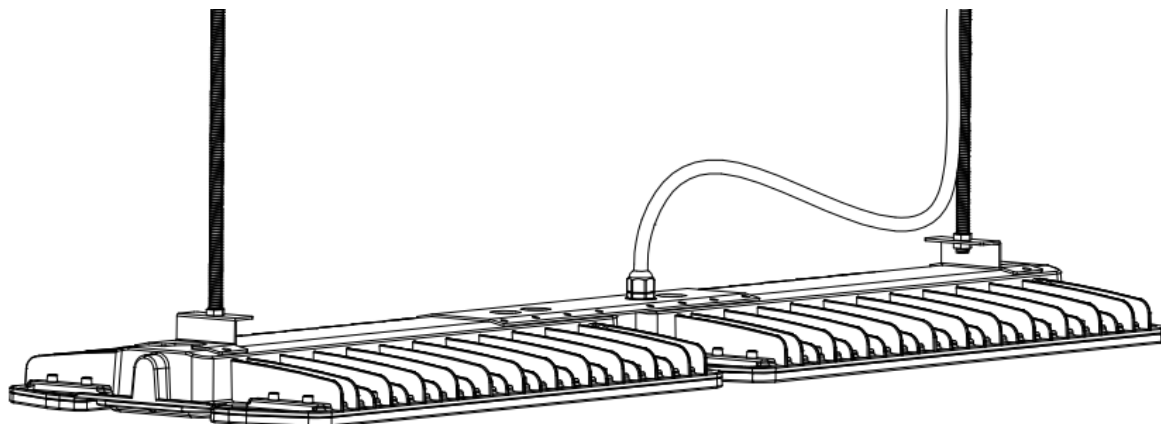
#### ● Mounting

There is three type application for different mounting . the install details please find below

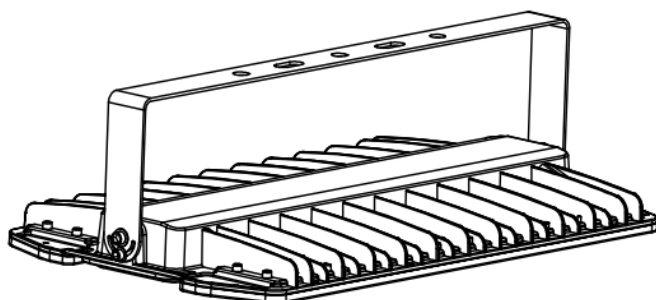
Chain or cable mounting (Standard) : Accessories of wire rope suspension kit :Y-CB05-05ft, Y-CB15-10ft, Y-CB15-15ft, Y-CB20-20ft As optional



Threaded rod kit( optional) : Accessories includ 4pcs 1/2" nuts ,2 pcs mount brackets as the below pictures.



Surface mounted kit (optional and only use for single fixture ) : Accessories includ 1 pcs mount brackets as the below pictures



**External Dimming Control (If Applicable):**

when using application of program dimming ,need connect below 3 wire to the programmer.

- Gray Lead =0-10V Dim(-)
- Violet Lead = 0-10VDim(+)
- BLK/WHT= Vaux
- Storage

Until installation, all units should be placed in a covered dry storage area. The storage area should not exceed -40°C (-40°F) to 50°C (122°F).u