



Daylight harvesting systems use daylight to offset the amount of artificial lighting needed to maintain an area at a certain lux level. This is accomplished using a lighting control system that is able to dim the high bay in response to changing daylight availability.

Voltex LED high bays are equipped with daylight-harvesting compatible driver, and 0-10v lead with moulded plug. An optional mounting bracket and daylight -harvesting sensor can be purchased, this requires no wiring, it's simply plugged in to the lead already fitted to every light.

The sensor can be adjusted to maintain the room at different lux levels, according to the client's requirement.

As the natural light level increases, through skylights or openings during the day, the Voltex High Bay will automatically dim down, maintaining the room at the set light level, and as the natural light decreases the high bay will increase its brightness until it reaches full output.

Description/ Technical Data:

Operating voltage: 1~10Vdc

Dimming Range: 1% ~ 100%

Applicaton: Office,workshop, warehouse

Max. Current Sink: 50mA[Maximum Rating]

IP Rating: IP20

Operation Temperature: -0°C ~ 45°C

Cable length: 80Cm

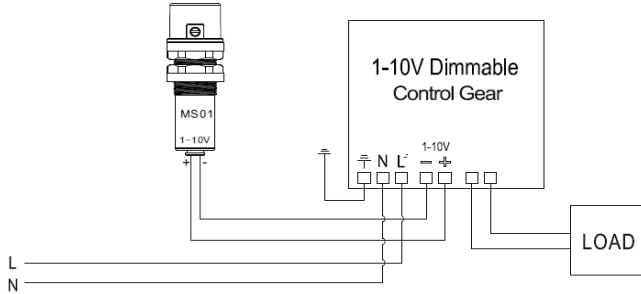
Detection angle 90°

Mounting Option: HBL-DSMB mounting bracket

Please Note:

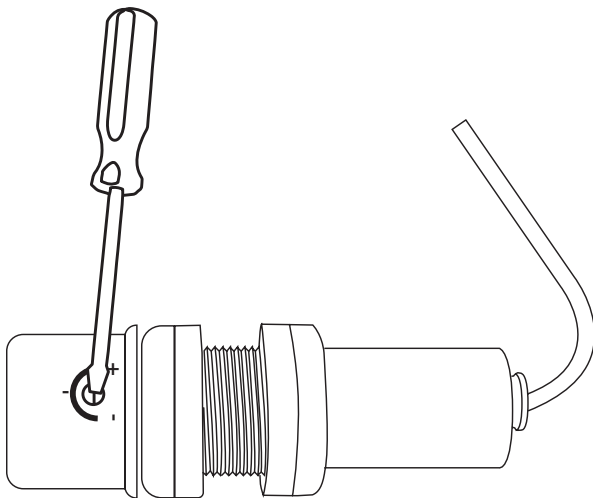
1. The lamp lights on 100% illumination or dims to maintain the preset illumination level against ambient light.
2. The lamp dims to minimum light level but never turn off even if with sufficient ambient light.
3. Users can switch off the light manually.

Wiring Method:



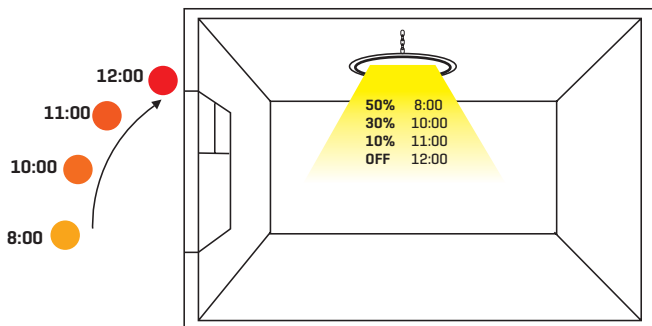
Connect the red wire[+] and black[-]of Sensor to the “+,-” of the dimmable cable of driver. Checking whether the wiring connection is right.

Adjust the knob



Turn the knob from “-” to “+”, the lux value will be changed from 10lux to 800lux. Adjust the knob slowly and use the lux meter to detect the environment lux at the same time, then you can set the lux you want in the room.

Setting:



For best result, target light level shall be 40%-80% of total lux of luminaries.