



Primo IQ Daylight Harvesting Sensor

Light sensor for Primo Dimmable LED Highbays



Light sensor for auto-dimming of Primo highbays.
 Dims output down to just 10% when light not required.
 Cuts power consumption down to just 10% (8-12W).

Primo LED highbays are auto-dimmable for even greater energy-efficiency.



Daylight harvesting made simple

Primo LED Highbay dims to just 10% of its output when the sensor detects light from windows, skylights or roller doors. Power consumption drops to just 8-12W when light is not needed. When daylight levels drop, highbays automatically brighten to original level. Hold-time is indefinite.

Smooth, gradual dimming for better OH&S profile

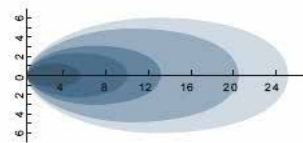
No sudden on-off switching to distract people nearby. Background light is maintained unless switched off manually. No black spots in lighting grid.

Auto-dimming - individually or in small groups

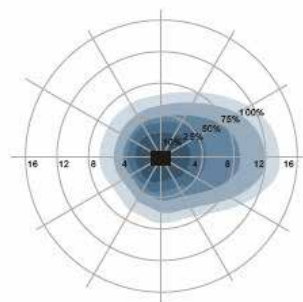
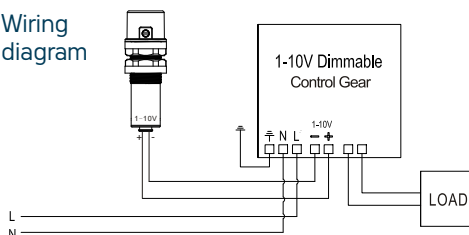
Connect sensor directly to fitting for individual control. Connect sensor to a 1-10VDC circuit for group control. Extent of dimming is adjustable via a potentiometer on the sensor unit. Dimming range is from 10% minimum, up to 100%.

Recommended mounting heights

Top, right: Wall mounted - 4m max
 Below, right: Ceiling mounted - 4 - 20m



Wiring diagram



Installation head nut.

Potentiometer for adjusting target light levels.

Light sensor attaches to DC junction box on Primo LED highbay. The length of cable supplied allows for positioning sensor in the optimal position relative to the skylight, window, roller-door, etc.

Applications



Warehousing, distribution, manufacturing, and any other premises where daylight harvesting opportunities exist through skylights, windows, roller doors, etc.

Technical parameters

Operating voltage	1-10VDC
Max current sink	50mA maximum rating
Dimming range	10-100%
Mounting height (max)	4m wall mounted. 20m ceiling mounted
Cable length	80cm
Colour coding of cable	Red (+), Black (-)
Detection angle	90°
IP rating	IP20
Operating Temperature	0 ~ 45°C
Order code	HMDH1