



Tiger Eye Light Sensor

Light sensor for Primo Dimmable LED Highbays



Light sensor for Highbay's built-in dimming capability.
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

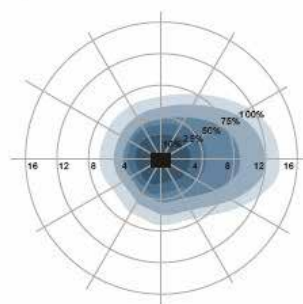
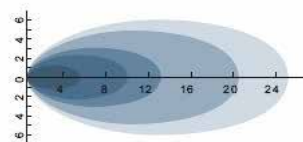
No sudden on-off switching to distract people nearby.
Background light is maintained unless switched off manually. No black spots in lighting grid.

Auto-dimming - individually or in small groups

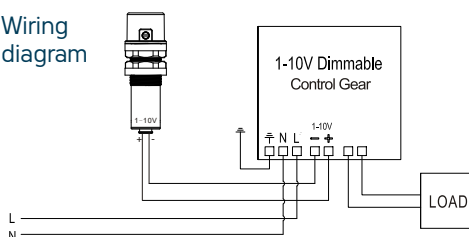
Connect sensor directly to fitting for individual control.
Connect sensor to a 1-10VDC circuit for group control.
Extent of dimming is adjustable via a potentiometer on the sensor unit.
Dimming range is 10% minimum to 100%.

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 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



Tiger Eye Motion Sensor

Motion sensor for Primo Dimmable LED Highbays



Motion sensor for highbays' built-in dimming capability.
 3 stage dimming - full brightness > dim mode > off.
 Power savings of 90% when light not required.

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



primo
 FIRST FOR HIGH PERFORMANCE LED HIGHBAYS

Motion sensor with microwave technology

Sensor is activated by motion and speed to 15m range.
 Works through plastic, glass and thin non-metal materials.
 Operates regardless of background temperature, dust or smoke. IP65 rated.

Smooth gradual dimming for better OH&S profile

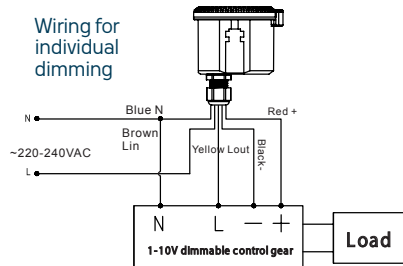
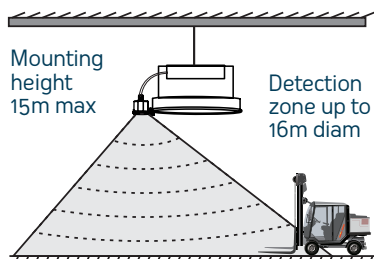
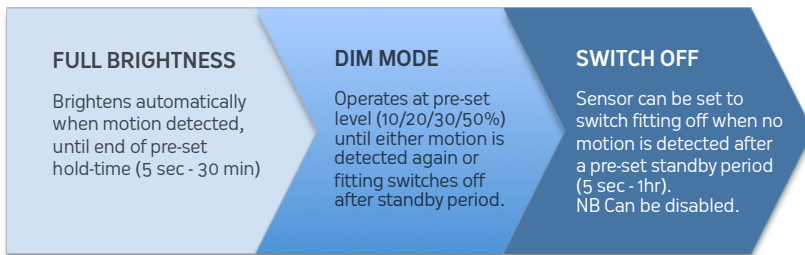
No sudden on-off switching to distract people nearby.
 Background light can be maintained at low level, or off.

Auto-dimming - individually or collectively

Connect sensor directly to fitting for individual control.
 Connect up to 8 fittings to AC circuit for group dimming.

3 stage dimming

Sensor module is adjustable to suit specific business needs:



Sensor simply attaches to highbay with a robust clip.



Control switches for pre-setting the following factors:

- detection sensitivity
- hold-time for full brightness
- dimming light level
- standby period before switching off.

Applications

Warehousing, distribution, manufacturing, and other activities where work spaces may remain unoccupied from time to time.



Technical parameters

Operating voltage	120-277Vac, 50Hz
Rated load	800W (inductive), 1200W (resistive)
HF system	5.8GHz±75MHz, ISM wave band
Power consumption	≤0.5W(standby), <1W(operation)
Transmitting power	<0.5mW
Detection zone	Max D x H 16m x 15m
Motion detection	0.5-3m/s
Detection angle	150° (wall install), 360° (ceiling install)
IP rating	IP65
Operating temperature	-35 - 70°C
Hold time	5s/30s/90s/3min/20min/30min
Detection sensitivity	10% / 25% / 50% / 75% / 100%
Stand-by period	5s / 5min / 10min / 30min / 1hr / Disable
Stand-by dimming level	10% / 20% / 30% / 50%
Service life	50,000 hours
Order code	HMMSC1 (clip mount) HMMSR1 (roof mount)