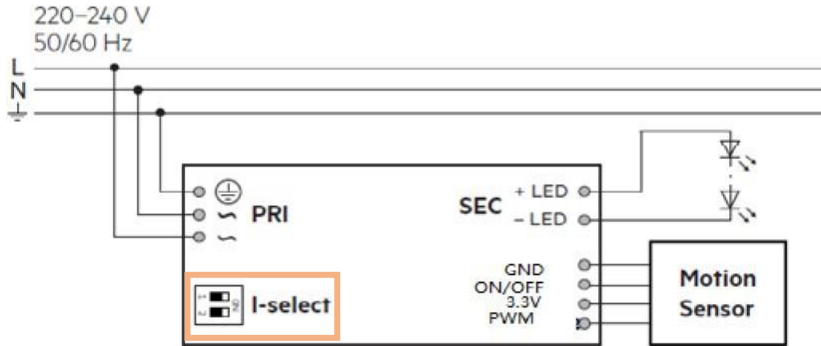## UI LS PD LI HF Sensor

Movement / Daylight detecting HF sensor in combination with
IT DIM 40 / 60 / 75W non isolated LED driver

Wiring Diagram


Dipswitch settings (I-select) for the driver output current per type.

Pin 1	Pin 2	I$_{out}$ 40 & 60W		Pin 1	Pin 2	I$_{out}$ 75W
OFF	OFF	200 mA		OFF	OFF	350 mA
OFF	ON	250 mA		OFF	ON	400 mA
ON	OFF	300 mA		ON	OFF	500 mA
ON	ON	350 mA		ON	ON	550 mA

Dipswitch settings for sensor.

All relevant sensor setting such as delay time or daylight and movement detection rate can be easily adjusted by dipswitches on the sensor.
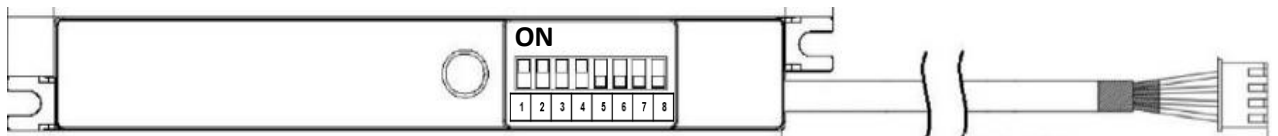
	1	2	Sensitivity
Detection Area	ON	ON	100% (default)
	ON	OFF	75%
	OFF	ON	50%
	OFF	OFF	25%

	3	4	Hold time
Hold time [1]	ON	ON	5 sec (default)
	ON	OFF	90 sec
	OFF	ON	300 sec
	OFF	OFF	600 sec

	5	6	Daylight Sensor
Daylight Sensor [2]	ON	ON	50 lux (default)
	ON	OFF	25 lux
	OFF	ON	10 lux
	OFF	OFF	disable

	7	Standby level
Standby level [3]	ON	10% (default)
	OFF	30%

	8	Standby time
Standby time [4]	ON	∞ (default)
	OFF	10 min

[1] Hold time = Length of time the light stays on after last triggering of the sensor (Hold time can be 5, 90, 300, 600 seconds)

[2] Daylight Sensor = Ambient light level threshold to enable / disable light output and control by motion sensing
(e.g., above 50 lux (default), light stays off even if motion is detected)

[3] Standby level = Light output level after the end of Hold time (Standby level can be 10% or 30%)

[4] Standby time = Length of time light stays at Standby level after the end of Hold time (Standby time can be ∞ (default) or 10 minutes)

Sensor Operation

Example 1:
Daylight sensor active and standby time 10 minutes (Standby level = 30%)

Daylight sensor Active → light stays OFF during movement trigger at daytime ☼
Light switch ON to 100% during movement trigger at nighttime. ☽ (Hold time = 300s = 5 minutes)
After the Hold time has ended, the light dims back to 30% for the standby time of 10 minutes.
After the standby time has ended the light switch OFF until next movement trigger.

Daylight sensor active
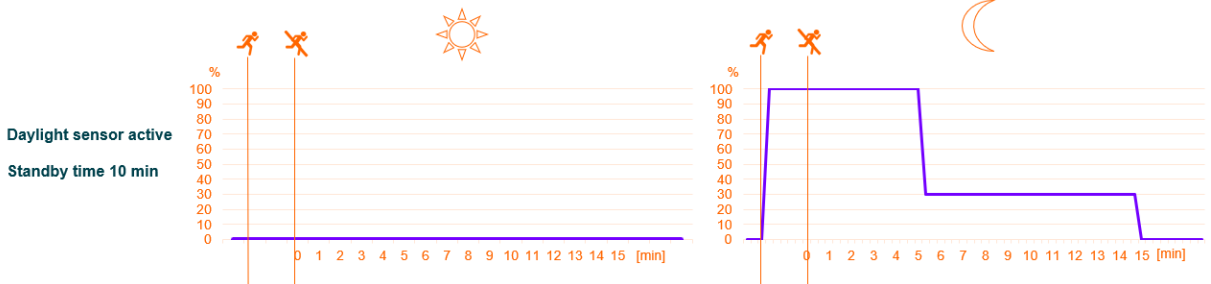
Standby time 10 min

Example 2:
Daylight sensor disabled and standby time set to infinite ∞

Daylight sensor disabled → light switch to 100% during movement trigger at day- and nighttime ☼ ☽
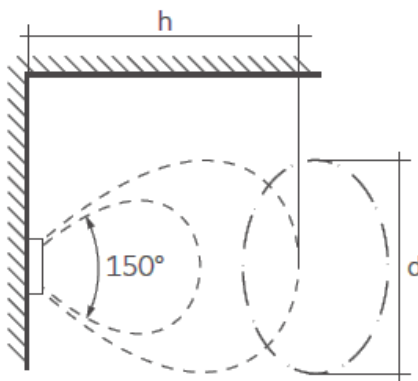Light switch to 100% during movement trigger at day- and nighttime and back to infinite Standby level of 30%

Daylight sensor disabled

Standby time infinite
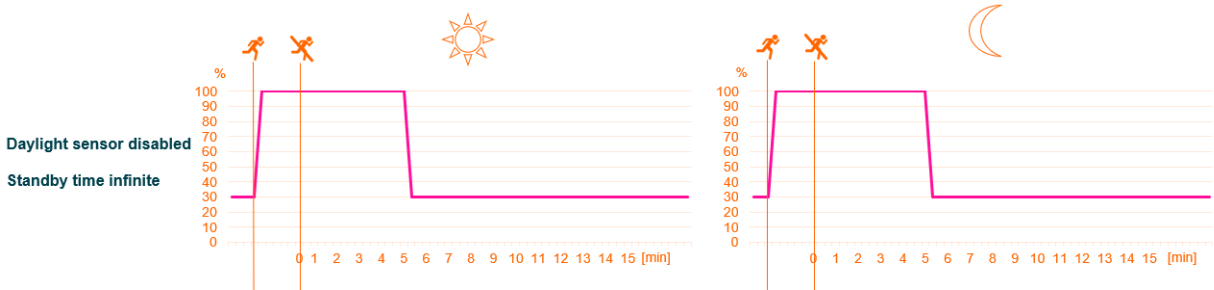
Height & application

Detection radius at 1 m/s moving speed			
100% sensitivity	75% sensitivity	50% sensitivity	25% sensitivity
6.0 m	5.0 m	3.5 m	3.0 m

Ceiling mounted: Wall mounted:

150°

150°
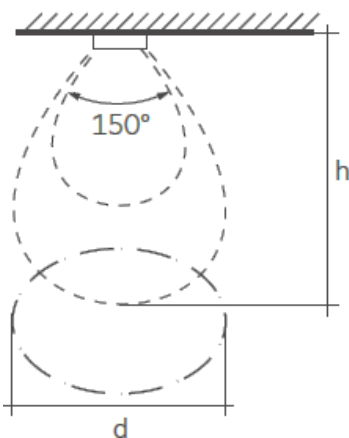
Influencing factors: speed & size of the object / environment (e.g., walls / electromagnetic waves)

Detection sensibility: Optimized for detection of people movement 0.5 – 1.5m/s

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