

IntegraCell

DAYLIGHT SWITCH



APPLICATIONS

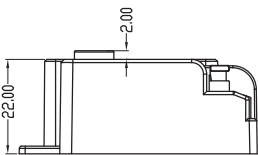
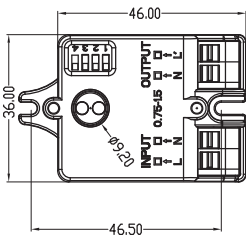
- > Integral mounting into luminaires for Dusk to Dawn daylight control
- > Operates only with LED

FEATURES

- > Designed to sit within the luminaire
- > Eliminates need to drill sensor hole in the body of the luminaire
- > Compensates for LED artificial light and senses natural light only
- > Automatically turns on lights at dusk and off at dawn
- > Energy saving on luminaire operating times
- > Compact size for location both in large and smaller LED fittings
- > Multiple On/Off switch settings to suit specific applications for ambient light levels



INTEGRACELL



Automatically turns light fitting on at dusk



Allows light fitting to operate throughout the night



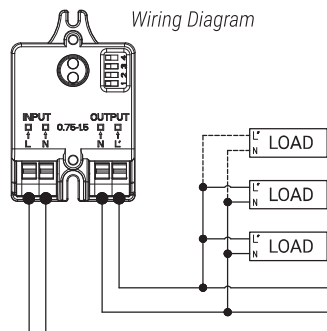
Automatically turns light fitting off at dawn

DESCRIPTION

IntegraCell is a patented daylight sensor developed to automatically switch lights on at dusk and off at dawn, providing continuous illumination through the night. Unlike standard photocells requiring the sensor head to be fitted into the body of the luminaire, the unique design of the IntegraCell, incorporating 2 photodiodes, is programmed to distinguish between daylight and LED light, enabling it to be concealed within the luminaire but still operating on daylight switching only.

Note: As IntegraCell is designed solely for LED light source, it is not suitable to operate with fluorescent, halogen or tungsten.

When the ambient light level is below the 'Open' lux level, the sensor automatically switches the lights on to 100% brightness. When the ambient light level is above the 'Close' lux level, the light will automatically switch off. See below table for settings.



TECHNICAL + OPTIONS

MODEL CODE	OPERATING VOLTAGE	RATED POWER	LUX LEVEL SWITCHING	OVERALL SIZE	OPERATING TEMPERATURE																																																																	
IntegraCell	220 - 240 Vac	400 W	<div>By selecting a combination of the DIP switches, switching ON/OFF lux levels can be set as required</div> <table><tr><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>open</td><td>close</td></tr><tr><td rowspan="8"><div><div>ON</div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div></td><td>I</td><td>ON</td><td>ON</td><td>ON</td><td>ON</td><td>5Lux</td><td>25Lux</td></tr><tr><td>II</td><td>ON</td><td>ON</td><td>ON</td><td>-</td><td>10Lux</td><td>50Lux</td></tr><tr><td>III</td><td>ON</td><td>ON</td><td>-</td><td>ON</td><td>25Lux</td><td>75Lux</td></tr><tr><td>IV</td><td>ON</td><td>ON</td><td>-</td><td>-</td><td>50Lux</td><td>100Lux</td></tr><tr><td>V</td><td>ON</td><td>-</td><td>ON</td><td>-</td><td>100Lux</td><td>200Lux</td></tr><tr><td>VI</td><td>ON</td><td>-</td><td>-</td><td>-</td><td>150Lux</td><td>300Lux</td></tr><tr><td>VII</td><td>-</td><td>ON</td><td>-</td><td>-</td><td>200Lux</td><td>400Lux</td></tr><tr><td>VIII</td><td>-</td><td>-</td><td>-</td><td>-</td><td colspan="2">Disable</td></tr></table>			1	2	3	4	open	close	<div><div>ON</div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div>	I	ON	ON	ON	ON	5Lux	25Lux	II	ON	ON	ON	-	10Lux	50Lux	III	ON	ON	-	ON	25Lux	75Lux	IV	ON	ON	-	-	50Lux	100Lux	V	ON	-	ON	-	100Lux	200Lux	VI	ON	-	-	-	150Lux	300Lux	VII	-	ON	-	-	200Lux	400Lux	VIII	-	-	-	-	Disable		36 mm W x 47 mm H x 22 mm D	-20°C ~ 50°C
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