

Precision^{HALO} data sheet



Precision^{HALO} is an energy saving photocell with optimised design features for the latest generation of LED streetlights, SR drivers from Philips & TE connectors approved by Zhaga.

Overview

- Precision^{HALO} offers accurate low level illuminance switching, reducing energy usage.
- Designed for compatibility and use alongside SR Driver and Zhaga sockets (Book 18)
- Low voltage power supply from SR driver (via DALI line, typically 16V)
- 20:20 lux unity luminance ratio as standard (other switching levels/ratios available on request*)
- Full-night photocell available in multi-step, eight stage dimming profile option - from 100% to 0% light level - in 10% increments*
- Automatic daylight saving (DLS) option*

*Factory programmed

Features & Benefits

- Contemporary compact design to complement today's modern light fittings
- Safe extra low voltage (SELV) product
- Integrated single gasket that seals to both luminaire and module
- Ultra-low power consumption (<100mW)
- Long 15 year life expectancy
- Reflective PCB, shielding components from heat stress
- Simple insert, rotate and lock mounting feature, no tooling needed and single handed operation to install

Options & Specifications

- Zhaga compatible connector system - 4 pole contacts
 - o Pin 1: Not utilised
 - o Pin 2: DALI (or DALI based protocol) –
 - o Pin 3: DALI (or DALI based protocol) +
 - o Pin 4: Not utilised
- IK09 option (dome)
- Hot pluggable capable
- IP66 Compliant

Weight

- 25g (29g with Trim)

Materials




- Lens (transparent): Polycarbonate KB18 (UV Stabilised)
- Lens (translucent): Polycarbonate Siloxane Copolymer IK09 (UV Stabilised)

Dimensions	No trim	With trim
Diameter (D)	49mm	53mm
Height (H)	21mm	21mm



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Technical Specification	Transparent Dome (KB18)	Translucent Dome (IK09)
IP Standards Rating	IP66	IP66
Compliance	EN61000-3-2 2009, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-6, EN55015 2013, EN61547 2009, EN61347-2-11, EN61347-1 Vibration IEC60068-2-6 Ingress protection EN60529 DALI2 compatible   Zhaga 	
Materials	Polycarbonate (UV Stabilised)	Polycarbonate Siloxane Copolymer (UV Stabilised)
IK09 Impact Protection	NO	YES
Temperature capability	-20°C / +80°C	-20°C / +80°C

Part number	Dome	Trim
F6353-0001	Transparent	NONE
F6354-0001	Transparent	LIGHT
F6355-0001	Transparent	DARK
F6363-0001	Translucent (IK09)	NONE
F6364-0001	Translucent (IK09)	LIGHT
F6365-0001	Translucent (IK09)	DARK

Blinks per second	non-DLS	DLS
1	clock not established	'safe' mode
2		clock not established
3	not currently used	
4	luminaire fault	
5	failed to establish DALI communication	

Contents based on standard full night 20:20 lux photocell



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