

MICROWAVE SENSOR

SANBO/WP

EY253

LED SPLASH-PROOF



Basement Car Park, Singapore

EY253-18W-MS

EY253-18WL-MS • 36W-MS



Stand-by Dimming level



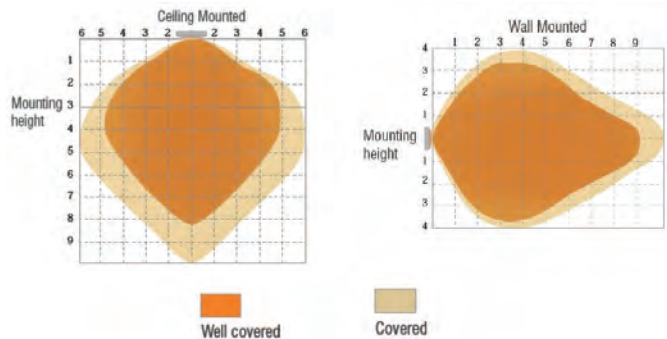
Hold Time



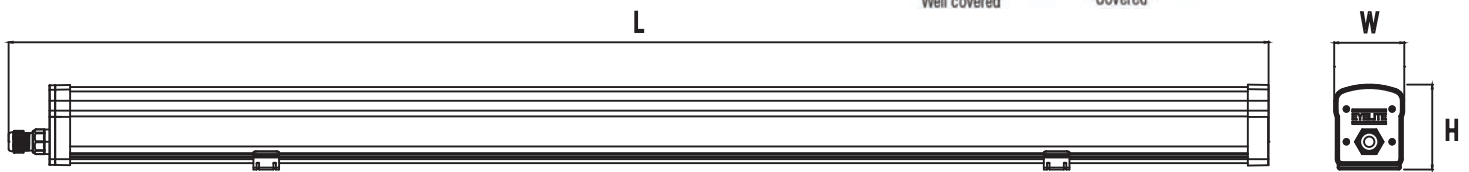
Microwave motion Sensor

- Standby dimming level at 10% consume only 7W
- Holding time is 1 minute

DETECTION COVERAGE



PRODUCT DIMENSION



PRODUCT FEATURES

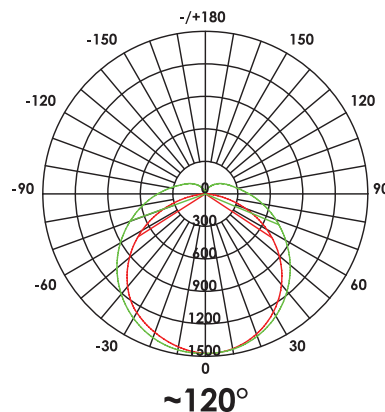
- Rigid extrusion of PC housing and Injection molding of PC covers
- Protection against water and dust (IP65) and impact (IK08)
- High lumen output provides energy saving
- **MICROWAVE MOTION SENSOR**
- Save energy by demand activities
- Standby mode for 36W model consumes only of average 7W
- Sensitive and wide detection area



Power consumption at 10% dimming

- EY253-18W: 4W
- EY253-36W: 7W

PHOTOMETRY/BEAM ANGLE



MODEL NO.	EY253-18WXXXMS	EY253-18WLXXXMS	EY253-36WXXXMS
Power Consumption ±5% (W)	18W	18W	36W
Luminaire Flux ±5% (lm)	1,890 lm	1,980 lm	3,960 lm
System Efficacy ±5% (lm/W)	105 lm/W	110 lm/W	110 lm/W
Power Factor (PF)	0.90	0.90	0.90
Microwave Frequency	5.8GHz +/- 75MHz		
Protection circuit	Short circuit auto recovery, over voltage, over current, over temperature		
Detection angle	30 to 150 degree		
Mounting distance	Max 6m (ceiling mounted), Max 3m (wall mounted)		
Detection range	Max 14m (ceiling mounted), Max 10m (wall mounted)		
Net Weight (kg)	0.71	1.08	1.10
Gross Weight (kg)	18.38	22.15	22.15
Product Dimension, L x W x H (mm)	650 x 71 x 82	1250 x 71 x 82	1250 x 71 x 82
Individual Carton Dimension, L x W x H (mm)	660 x 75 x 85	1260 x 75 x 85	1260 x 75 x 85
Master Carton Dimension, L x W x H (mm)	680 x 330 x 460	1280 x 330 x 370	1280 x 330 x 370
Quantity/Master Carton (pcs)	20	16	16
CBM (m ³)	0.103	0.156	0.156

Note: The above specified lumen and system efficiency based on standard CCT: 6500K.

Note: Model number EY253-18WXXXMS,XXX denotes CCT, 30K;3000K 40K:4000K 65K: 6500K

TECHNICAL SPECIFICATION

ELECTRICAL SYSTEM

- **Input Voltage** : 200 - 240Vac, 50/60Hz
- **Insulation Class** : Class I
- **LED Driver** : c/w microwave sensor module

LIGHT SOURCE / OPTIC

- **LED Type** : SMD 2835 with TM21 and LM80
- **Color Temperature (CCT)** : Standard 4000K/6500K (3000K and others upon request)
- **Color Rendering Index (CRI)** : Ra > 80 (Ra > 90 upon request)
- **Life Time Residual Flux** : (L70), >50,000 hours @ Ta: 40°C
- **Optical System** : ~120° Opal PC Extrusion Diffuser
- **Working Temperature** : Ta : -30°C to +40°C

APPLICATION

- Carpark • Staircase • Canopy • Garden Shed • Walkway
- Corridors • Factory • Warehouse • Underground Tunnel

CERTIFICATION AND COMPLIANCE TEST

- **Type Test Certified (Luminaire)** : EN 60598-1, EN 60598-2-1, EN 61000-3-2, EN 61000-3-3, EN61347, EN61347-2-13
- **EMC Certified** : EN 55015
- **LED Compliance Test** : IESNA LM-80, TM-21
- **Ingress Protection Test** : Accord to IEC 60598-1 (IP65)
- **Impact Resistance Test** : IEC 62262 (IK08)
- **RoHS** : IEC 62321

FIXTURE / HOUSING

- **Ingress Protection (IP)** : IP65
- **Impact Resistance (IK)** : IK08
- **Housing Material** : PC Extrusion and PC Side Covers, UL-94 Fire Retardant Grade, UV Stabilized Polycarbonate

*Luminaires should be mounted in a shady or covered environment protected against direct sunlight. Due to the possible chemical reaction of polymer nature of housing, luminaire must not be installed in places where there are presence of high concentration of acid or alkaline environment.