

## TOKEYA High Bay Light

100W-240W IP65 IK09



**ZigBee Mesh  
Network Control**



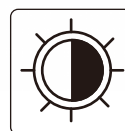
**Motion Sensor**



**Zoning & Grouping**



**Magic Wand  
Remote Control**



**Daylight Sensor**



**On/Off**

- Luminaire Type: High Bay LED Luminaire
- ZigBee mesh network smart controls.
- Daylight and Motion sensors embedded.
- Easy Grouping without Gateway via DMT-Z Remote Control
- Automatic ON/OFF or Dimming Functions with smart sensing (Daylight, Motion) for maximum energy saving. Color Temp
- erature options with 4000K, 5000K or 6500K.
- Efficiency up to 200lm/W.
- 50% less power consumption than traditional light sources.
- Lowest maintain cost.

# TOKEYA High Bay Light

100W-240W IP65 IK09

**DIMON**  
TECHNOLOGY

## Technical Data

|                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation method / 安裝方式<br>Método de instalación                                              | Suspended / Ceiling-mounted / Wall-mounted<br>吊掛式 / 天花板安裝式 / 牆面安裝式<br>Suspendido / Montado en el techo / Montado en la pared                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Power Consumption with LED Driver<br>燈具功率 (包括LED驅動)<br>Consumo de energía con controlador de LED | Dia 320mm: 100WAdjustable via DIP switch to 80W / 60W<br>Dia 360mm: 150WAdjustable via DIP switch to 120W / 100W<br>Dia 360mm: 240WAdjustable via DIP switch to 200W / 150W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Input Voltage / 輸入電壓<br>Voltaje de entrada                                                       | EU version: 220-240VAC 50/60Hz<br>US version: 100-277VAC 50/60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| LED Driver Type<br>LED驅動款式<br>Tipo de controlador LED                                            | Constant current (CC) LED Driver — Driver efficiency 93%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Power factor / 功率因數 / Factor de potencia                                                         | PF ≥ 0.90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| TOTAL HARMONIC DISTORTION 總諧波失真<br>DISTORSIÓN ARMÓNICA TOTAL                                     | THD < 20%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| LED Life / LED壽命 / La vida del LED                                                               | >50,000 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Brightness holding-Time Setting:<br>亮度保持時間設置:<br>Ajuste de tiempo de retención de brillo:        | 0s 30s 1m 3m 5m 10m 20m 30m 45m 60m s : second m: minute<br>DMT-Z" remote Control Zibee Wireless Setting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Brightness on Standby Setting:<br>待機亮度設置<br>Brillo en la configuración de espera:                | Waiting level-The brightness at xx% (0/10/20/30/40/50/60/70/80)<br>待機等級 - 亮度為 xx% (0/10/20/30/40/50/60/70/80)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DMT-Z" remote Control Zibee Wireless Setting<br>Remote Control Distance: 10M                     | Daylight sensor Range: OFF (10/25/50/100/200/300/400/500/600 lux) Infrared Daylight (adjustable)<br>Brightness holding-Time Setting:0s 30s 1m 3m 5m 10m 20m 30m 45m 60m s : second m: minute<br>Waiting level-The brightness at xx%: (10/20/30/40/50/60/70/80)<br>Target level-The brightness at xx% (When detected) : (10/20/30/40/50/60/70/80/90/100)                                                                                                                                                                                                                                                                                                                                             |
| Sensor Detection Angle 感應器檢測角度                                                                   | PIR Motion Sensor (PIR)<br>Microwave Motion Sensor (MID)<br><br>搭配 Sensing Angle 圖表呈現。                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Maximum detection coverage area<br>最大檢測覆蓋範圍                                                      | Up to 15 meters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Beam Angle 光束角 ángulo de haz                                                                     | 90°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Color Rendering Index - 顯色指數<br>Índice de reproducción cromática                                 | CRI: 70 / 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Color Temperature - 色溫<br>Temperatura del color                                                  | 4000K / 5000K / 6500K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Luminaire Efficacy 燈具效率<br>La eficacia de la luminaria                                           | 190 lm/W (CRI 80, 100W / 240W)<br>200 lm/W (CRI 70, 150W; CRI 80, 240W)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| LED Source Luminous Efficacy LED光源光效<br>Fuente luminosa LED Eficacia                             | Up to 200 lm/W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Housing materials - 外殼材料<br>Materiales de la carcasa                                             | Die-cast aluminum housing with polycarbonate lens<br>壓鑄鋁外殼搭配聚碳酸酯透鏡<br>Carcasa de aluminio fundido a presión con lente de policarbonato                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Housing Color 外殼顏色<br>Color de la carcasa                                                        | Matte Black 啞黑色<br>Negro mate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Ingress Protection - 防護等級<br>Protección de ingreso                                               | IP65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Impact protection / 衝擊保護<br>Protección contra impactos                                           | IK09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Operating Temperature Range / 工作溫度範圍<br>Rango de temperatura de funcionamiento                   | -20°C ~ +50°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Dimension / 尺寸 / Dimensión                                                                       | Φ320 x H145mm 100W<br>Φ360 x H145mm 150W<br>Φ360 x H165mm 240W<br>Detail Refer To Drawing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Certificate Standard Complied<br>符合安規標準<br>Estándar certificado de cumplimiento                  | CE, RoHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Certification-認證-Certificación-شهادة                                                             |         |

|         |          |      |
|---------|----------|------|
| Project | Fixture# | Date |
|         |          | Firm |

## Ordering Information

Choose the option that suits your need and write its corresponding code on the appropriate line to form the product code.

Example product code: [TOKEYA-HB-100W](#)

TOKEYA-HIGH-BAY-LIGHT - -

POWER  
CONSUMPTION

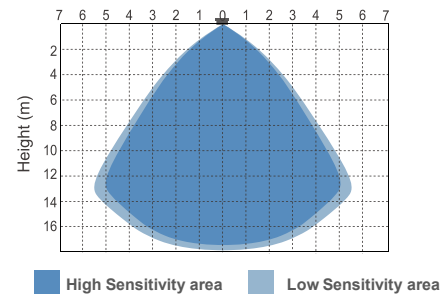
| POWER CONSUMPTION |                  |
|-------------------|------------------|
| Code              | Description      |
| 100W              | 100W @ Dia 320mm |
| 150W              | 150W @ Dia 360mm |
| 240W              | 240W @ Dia 360mm |

## Smart Modules-Option



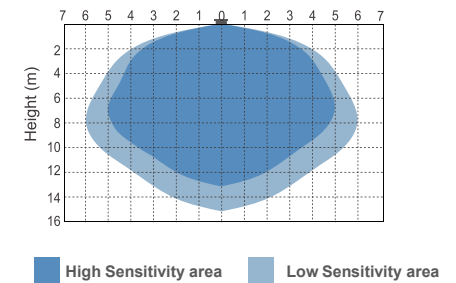
**Microwave Motion Sensor or PIR Motion Sensor Module**

### Sensing Angle



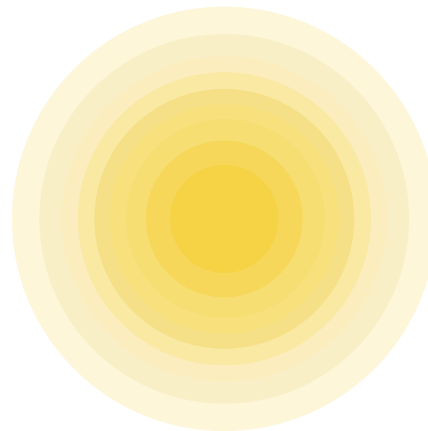
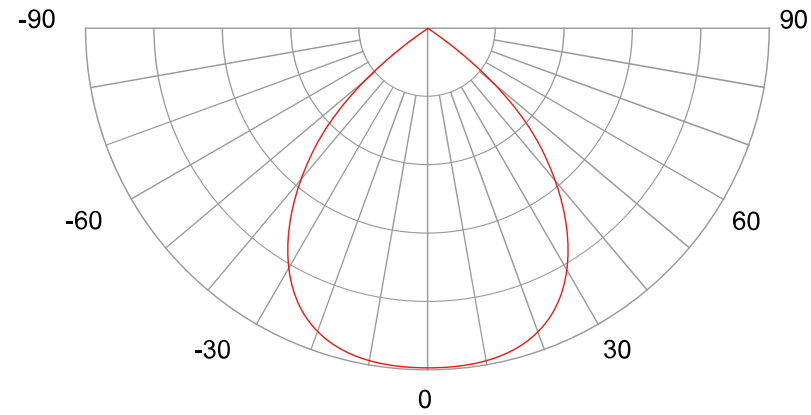
**PID Detection Range**

(The curve data was obtained at an ambient temperature of 20°C.)



**MID Detection Range**

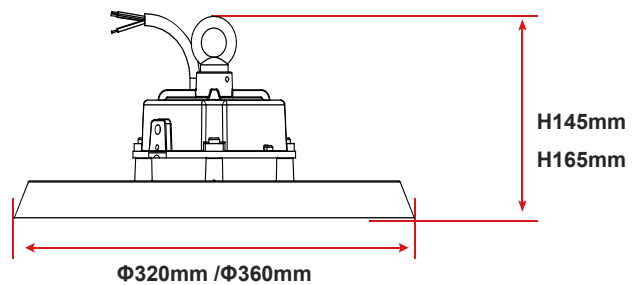
# Beam Angle



**Average Beam Angle(50%): 90 Deg**

# Technical Drawing

Until: mm



| Power | Size                            |
|-------|---------------------------------|
| 100W  | $\Phi 320 \times H145\text{mm}$ |
| 150W  | $\Phi 360 \times H145\text{mm}$ |
| 240W  | $\Phi 360 \times H165\text{mm}$ |

## Accessories



AL Cover

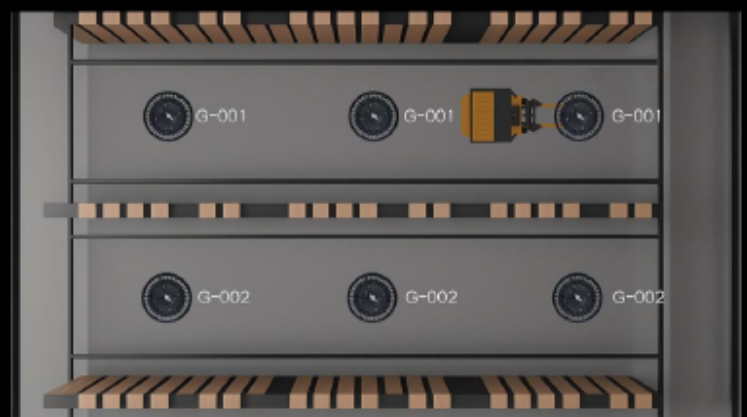
AL Cover

PC Cover

# Technical Specification of DMT-Z Zigbee Control

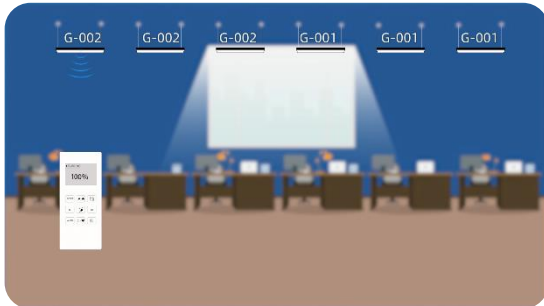


Lamp group linkage effect



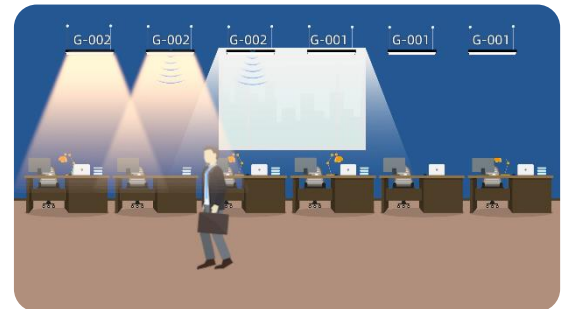
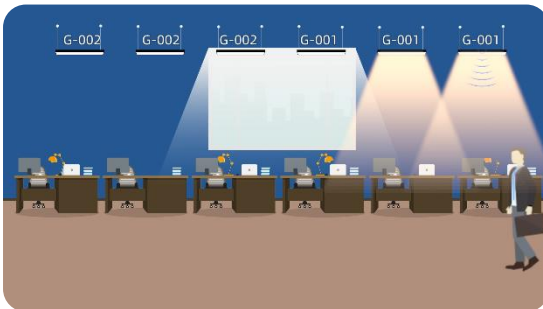
When the ambient light is relatively bright,  
the lamp remains off

- By adopt the standard ZigBee technology "DMT-Z" has the inborn advantages like long transmission distance, multiple channels and mesh network
- Users can set the sensor parameters and brightness of one group or individual lamp with one button
- in one group, the motion sensors work together with daylight sensors to control the grouped and individual lamp according to the ambient brightness



The “ZIGBEE” smart light of DIMON are embedded with motion sensor and daylight sensor, using a “DMT-Z” remote control, users can set grouping and parameters very fast and convenient.

By adopting the standard ZigBee technology, “ZIGBEE” has the inborn advantages like long transmission distance, multiple channels and mesh network.



Users can set the sensor parameters of one group or individual lamp with one button, and change lamp brightness. In one group, the motion sensors work together to control these grouped lamps, and the daylight sensors control the individual lamps on/off according to the ambient brightness.

The ZIGBEE serial include panel, linear light, tri-proof light, highbay, LED tube. This kind of smart lamps can be used for industrial and commercial area, example offices, warehouses, factories, parking and others.