

BAW & BMW Downlight Series



INDOOR SERIES



PRODUCT OVERVIEW

The AL TSA Brilliance DOWNLIGHTS are elegant, efficient and have low maintenance costs. With an extensive range of sizes, shapes and materials, they are made to suit every commercial and business environment. These downlights are designed to give maximum light output with the minimum amount of glare. The deep recessed design helps to hide any glare from the eye in lower installations.

The AL TSA Brilliance DOWNLIGHTS have excellent thermal properties and great longevity. The lenses can be varied to suit any style with degrees of frost and transmission.

Quality comes standard...



Hours
LIFESPAN



IP20/IP54
INDOOR



Low
MAINTENANCE



Year
WARRANTY



Product
CERTIFICATION

APPLICATIONS

Hospitals, Medical Facilities

Conference Rooms/Banks

Workshops/Factories

Offices/Work spaces

Schools/Universities

Commercial Spaces

FEATURES

DALI Dimmable

Low Flicker Rate

Motion Sensor

IP20 Ingress Protection

L90 B10 Rating

Energy Efficient

5-Year Warranty

IP54 Available

CONSTRUCTION

Aluminium Body

Poly Methyl Methacrylate

White/Black/Silver Housing

BAW & BMW Downlight Series

TECHNICAL DATA

SPECIFICATIONS

| | | | |
|-----------------------------------|---|---------------------------|------------------------------|
| Rated Voltage (V): | AC184-265V | Luminaire Efficacy(lm/W): | 100(lm/W) |
| Frequency (Hz): | 50/60Hz | | 120(lm/W) |
| Power Consumption (W): | 5-7-9W 10-12-15W 15-16-18W 20-24-30-40W | Unified Glare Index(UGR): | UGR22 (Standard) |
| Correlated color Temp (CCT): | 2700K - 3000K- 4000K- 6000K | L&B Rating: | L90 B10 50 000hrs |
| Colour Rendering (CRI): | 80/90 | | L70 B10 100 000hrs |
| Total Harmonic Distortions (THD): | <15% | Ingress Protection(IP): | IP54 - BMW SERIES |
| Power Factor (PF): | >0.90 >0.95 | | IP20 - BAW SERIES |
| Electrical Class: | Class I | Beam Angle: | 60° - BAW SERIES |
| Operating Temp: | -20 ~ +50°C | | 45° - 50° - 58° - BMW SERIES |
| Driver Type: | Standard(Constant Current LED Driver) | Lifespan: | 50 000hrs |
| LED Type: | BAW Series- CREE - COB / SMD 2835 | Mounting Options: | Recessed |
| | BMW Series- CREE - COB | Entry & Output Cable: | Back / 20cm (Standard) |

MATERIAL STRUCTURE

| | | | |
|---------------|--------------------------------|-----------------|------------|
| Housing Body: | Die-Casting Aluminum | Housing Colour: | White Matt |
| Lens: | Poly Methyl Methacrylate(PMMA) | | Black |
| | | | Silver |

OPTIONAL FEATURES

| | | | |
|--------------------|-------------------|----------|----------------|
| Dimmable Options: | DALI-Dimmable | 0-10V | Triac Dimmable |
| Emergency Options: | 20% Back-up Power | External | |
| Sensor Options | Microwave | Bi-Level | |

ORDERING INFORMATION(IP54 BAW SERIES)

Φ CUTOUT SIZE(COS) Φ STANDARD SIZE(STD)

| XXX | XXX | XXXX | XXX | XXX | XXX | XXX | XXX | X |
|-----------------|--------------------------------------|--|---|--------------------------------|----------------|--|------------------|------------|
| Product Family | Product ID | Size | Power | Efficacy | Driver Type | Control | CRI | Glare Rate |
| Downlight (DWN) | Brilliance AW Downlight Series (BAW) | Φ75mm(75) Φ80xH40mm(84) Φ85mm(85) Φ96xH47mm(94) Φ100mm(100) Φ113xH55mm(155) Φ120mm(120) Φ138xH64mm(136) Φ140mm(140) Φ165xH74mm(167) Φ170mm(170) Φ195xH85mm(198) Φ200mm(200) Φ228xH97mm(297) | 5W (0005) 7W (0007) 9W (0009) 12W (0012) 15W (0015) 20W (0020) 30W (0030) | 100lm/W (100) 120lm/W (120) | Standard (STD) | Standard (STD) Emergency (EMG) TRIAC (TRI) 0-10V (DIM) DALI (DAL) Microwave (MIC) Bi-Level (BIL) | 80 (8) 90 (9) | 22 (22) |



