

IPS Spotlight 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/IP65
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/IP65 Ingress Protection

L90 B10 Rating

Energy Efficient

5-Year Warranty

Low Glare Rate

CONSTRUCTION

Aluminium Body

Poly Methyl Methacrylate

White Matt Housing Finish

Heatsink

AL TSA IPS Spotlight Series

TECHNICAL DATA

SPECIFICATIONS

Rated Voltage (V):	AC100-277VAC	Luminaire Efficacy(lm/W):	100(lm/W) 120(lm/W)
Frequency (Hz):	50/60Hz	Unified Glare Index(UGR):	UGR22 (Standard) UGR19 (Optional)
Power Consumption (W):	6-7W 8-9W 12-18W 24-30W	L&B Rating:	L90 B10 50 000hrs L70 B10 100 000hrs
Correlated color Temp (CCT):	2700K - 3000K - 3500K - 4000K - 5000K - 5700K - 6000K	Ingress Resistance(IK):	IK08
Colour Rendering (CRI):	80/90	Ingress Protection(IP):	IP20 IP65
Total Harmonic Distortions (THD):	<15%	Beam Angle:	15° 20° 24° 38° 40° 45° 60°
Power Factor (PF):	>0.90	Lifespan:	50 000hrs
Electrical Class:	Class II	Mounting Options:	Recessed
Operating Temp:	-30 ~ + 55°C		
Relative Humidity:	-		
Driver Type:	Constant Current LED Driver(Standard)		
LED Brand:	Bridgelux - CREE (COB - Chip on Board)		
Entry & Output Cable:	Side / 20cm (Standard)		

MATERIAL STRUCTURE

Housing Body (IBD):	Die Casting Aluminium	Housing Colour:	White Matt
Housing Body (IPS):	Cold Forged Aluminium		Black Trim
Lens :	Poly Methyl Methacrylate(PMMA)	Features:	Heatsink

OPTIONAL FEATURES

Dimmable Options:	DALI-Dimmable	0-10V	Triac
Sensor Options:	Microwave Motion	Bi-Level	
Emergency Options:	20% Back-up Power	External	
Certifications	RoHs/IEC/SANS		

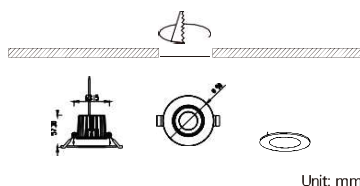
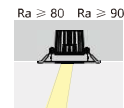
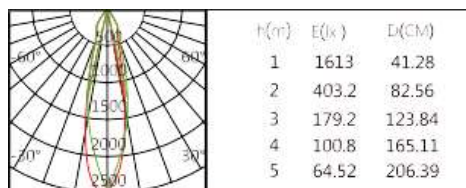
ORDERING INFORMATION

⌀ CUTOUT SIZE(COS) ⌀ 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)	AL TSA Spotlight Series (IBD)	⌀90mmxH53(953) ⌀70x80mm(78) ⌀90mmxH53(953) ⌀70x80mm(78) ⌀90mmxH53(953) ⌀70x80mm(78)	6W (0006) 7W (0007) 8W (0008)	100lm/W (100) 110lm/W (110)	Standard (STD)	Standard (STD) Emergency (EMG) 0-10V (DIM) DALI (DAL) Triac (TRI) Microwave (MIC) Bi-Level (BIL)	80 (8) 90 (9)	22 (22) 19 (19)
	AL TSA Spotlight Series (IPS)	⌀83mmxH37(837) ⌀68x75mm(687) ⌀105mmxH42(142) ⌀84x95mm(89) ⌀132mmxH42(134) ⌀110x120mm(11) ⌀160mmxH43(164) ⌀127x140mm(12)	6W (0006) 9W (0009) 7W (0007) 12W (0012) 9W (0009) 18W (0018) 24W (0024) 30W (0030)					

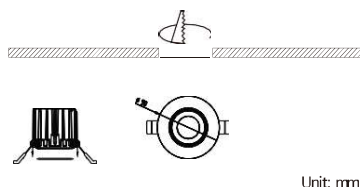
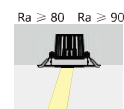
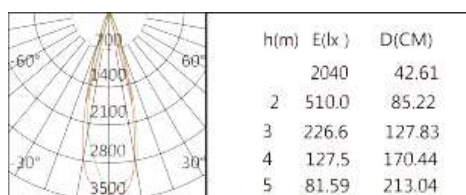
AL TSA IPS Spotlight Series

PRODUCT SPECIFICATIONS (IBD)



Φ CUTOUT SIZE(COS)	Φ STANDARD SIZE(STD)
Φ90mmxH53(953)	6W (0006)
Φ70x80mm(78)	
Φ90mmxH53(953)	7W (0007)
Φ70x80mm(78)	
Φ90mmxH53(953)	8W (0008)
Φ70x80mm(78)	

PRODUCT SPECIFICATIONS (IPS)



Φ CUTOUT SIZE(COS)	Φ STANDARD SIZE(STD)
Φ83mmxH37(837)	6W (0006)
Φ68x75mm(687)	9W (0009)
Φ105mmxH42(142)	7W (0007)
Φ84x95mm(89)	12W (0012)
Φ132mmxH42(134)	9W (0009)
Φ110x120mm(11)	18W (0018)
Φ160mmxH43(164)	24W (0024)
Φ127x140mm(12)	30W (0030)