

## INDOOR SERIES

Louvre



Diffuser



## PRODUCT OVERVIEW

The **AL TSA Fortis Series** combines LED tubes with elegantly designed fittings, providing a complete cost-effective lighting solution which offers optimal efficiency over a long lifespan. The **Fortis** series is a serviceable unit that offers a high aesthetic value. The versatile and robust luminaire is currently the most energy efficient indoor lighting solution available.

The **AL TSA Fortis Series** includes AL TSA LED tubes (up to 190lm/W) which are packed into 600mm x 600mm, 1200mm x 600mm, or 1200mm x 300mm luminaires in combinations of 2 to 4 lamps and can be supplied in surface mount or recessed fittings. The number of tubes can be altered to suit environmental requirements and the fittings allow us to exchange LED tubes as technology advancements are made.

Quality comes standard...



**Hours**  
LIFESPAN



**IP40**  
INDOOR



**Low**  
MAINTENANCE



**Year**  
WARRANTY



**Product**  
CERTIFICATION

### APPLICATIONS

Offices	Stores
Commercial Areas	Workshops
Logistics Centers	Hospitals
Warehouses	Hall Ways

### CONSTRUCTION

Powder-Coated
Lightweight
Aluminium Housing
PMMA Lens

### FEATURES

Low Glare Design	LED Tubes IP53-rated	Power Factor: 0.95
Colour Rendering Index: >80	Optional LED Tubes IP65-rated	Thermal Resilience up to 70°C
SABS Certified	Easily replaceable Tubes	Surge Protection

## TECHNICAL DATA

MODEL No.:	SIZE (mm)	LENS TYPE	POWER (W)	LUMEN (lm/W)	CRI	CCT (K)	INGRESS PROTECTION (IP)	LED TUBE
PAN/FO/606/*/**	600x600	Diffuser	14-40	1400-6400	>80	2700-6500	IP40	2-4
PAN/FO/123/*/**	1200x300	Diffuser	18-50	1800-8000	>80	2700-6500	IP40	2-4
PAN/FO/126/*/**	1200x600	Diffuser	18-100	1800-16000	>80	2700-6500	IP40	2-4
PAN/FO/606/*/**	600x600	Reflector	14-40	1400-6400	>80	2700-6500	IP40	2-4
PAN/FO/123/*/**	1200x300	Reflector	18-50	1800-8000	>80	2700-6500	IP40	2-4
PAN/FO/126/*/**	1200x600	Reflector	18-100	1800-16000	>80	2700-6500	IP40	2-4

\* **Lamp Count:** 2 (02) / 3 (03) / 4 (04)

\*\* **Lens Type:** Diffuser (DIF) / Reflector (REF)

+ Tubes to be ordered separately.

## MECHANICAL DATA

Humidity Range:	30-60%
LED Brand:	Hongli 2835
Operating Temperature:	-20°C ~ 50°C
Housing Material:	Aluminium
Lens Material:	PMMA With IK08 Impact Resistance
Housing Finish:	White/Silver
IP Rating	IP40
Mounting Configuration:	Recessed
Glare Rating:	UGR 22
Flicker&DLC Specification:	SVM<0.4    DLC V4.0

## ELECTRICAL DATA

FEATURES		
Driver:	-	EMC Applicable
Electrical Class:	Class 1	
Nominal Voltage Range:	100-265	
Power Factor:	>0.95	
THD:	12%	
Surge Protection:	Standard 1000V- Optional 2750V	
Cable Entry:	Bottom	