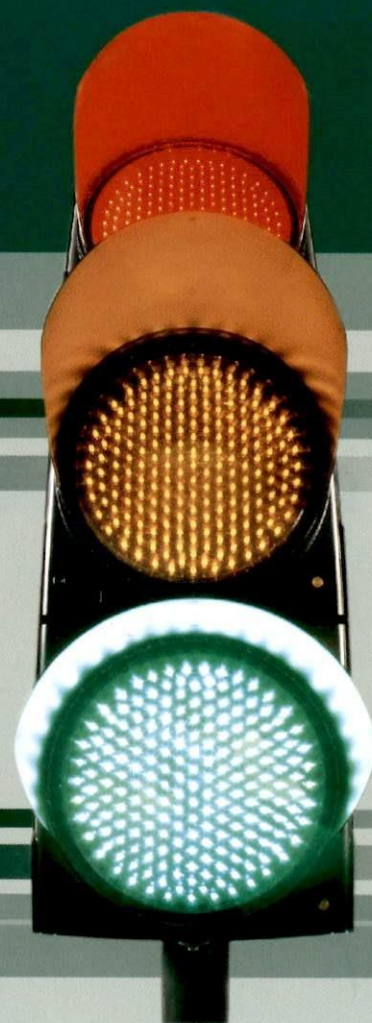


»» LED Traffic Light



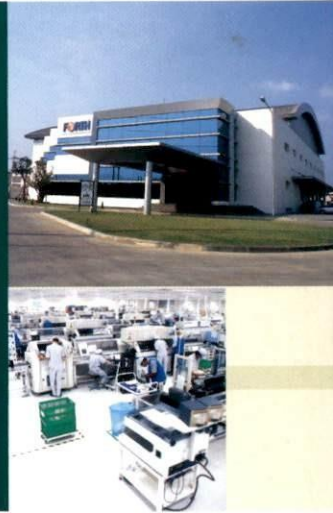
LED Traffic Light

Genius Traffic System Co., Ltd is a subsidiary of Genius Communication System Co., Ltd - Thai pioneer and leading manufacturer of office telephone system under the FORTH brand.

Our research team comprises of fully qualified and experienced engineers who aim to develop excellent traffic solutions for our transport systems.

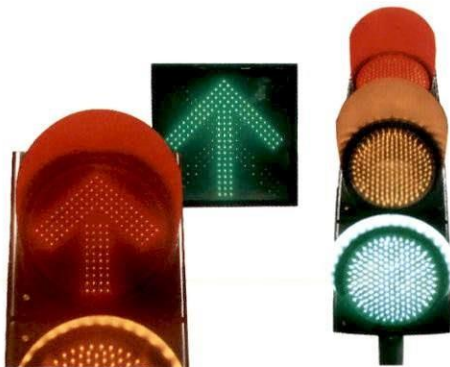
Our production facilities employ the latest high-technology machinery and equipment to ensure high quality production. Coupled with a rigorous implementation of the ISO 9002 certified system, our products are proven to be reliable, user-friendly and robust. All FORTH products are registered under the Thai Industrial Standards Institute.

FORTH products are vigorously tested in the sun and rain to ensure they withstand the hot, humid and dusty environment of roads. They are also designed to withstand electrical current drops and overloads.



PROVIDING TO BEST STANDARDS IN TRAFFIC CONTROL

The traffic light is a critical piece of equipment controlling a wide matrix of traffic flow in some times complex intersection situations. Malfunctions could result in fatal crashes. Thus, FORTH set forth to build traffic LED lights that can withstand extreme conditions resulting a range of products that perform uncompromisingly.

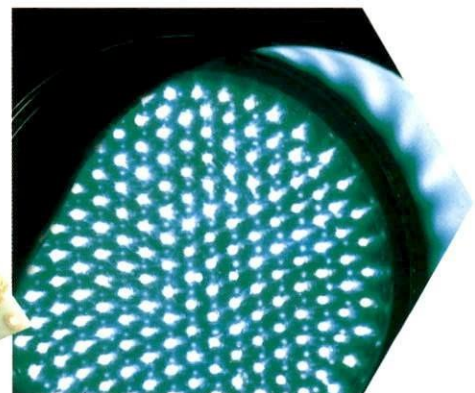


SUNLIGHT DURABILITY

FORTH traffic lights have covers made from high-grade polycarbonate plastics. The covers gave FORTH products high durability and provide full resistance from damage due to ultraviolet rays.

RAIN DURABILITY

Absolute waterproofing and rust resistance is paramount in our product design. To ensure product performance in extreme conditions, we went as far as installing our LED traffic lights underwater to test and monitor performance.



TEMPERATURE DURABILITY

FORTH LED Traffic Lights are further tested in laboratory standard chambers to temperature as high as 70°C.

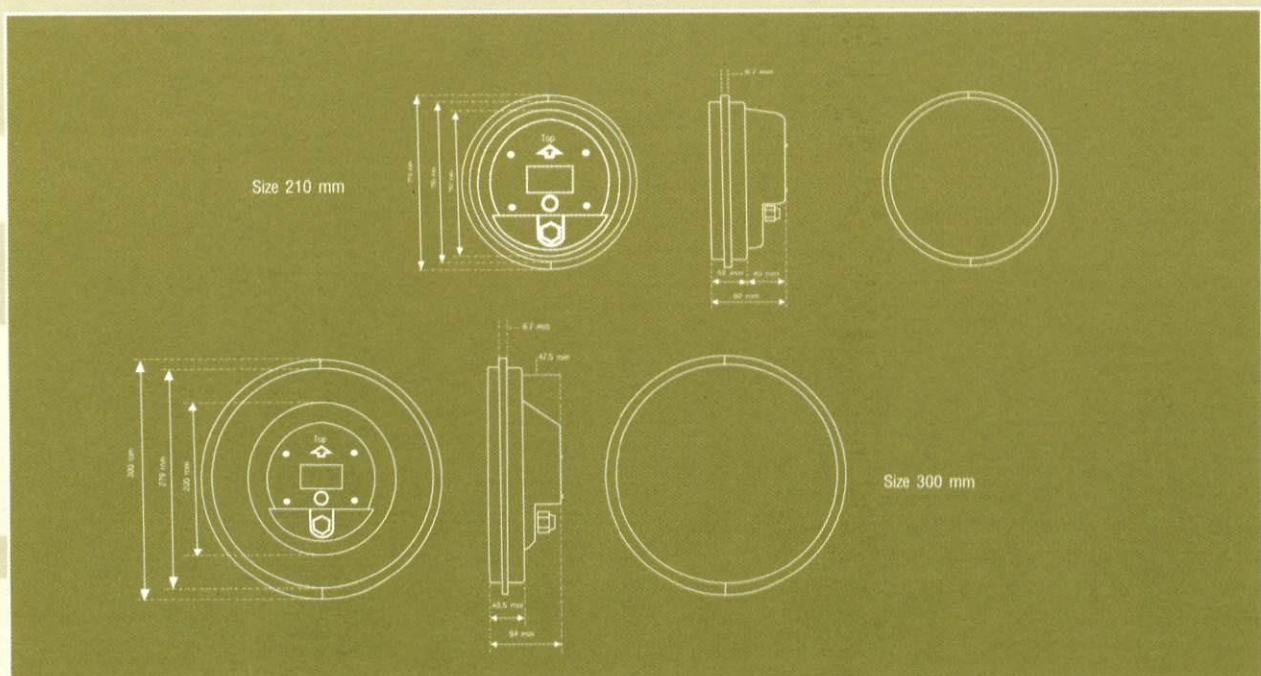
BRIGHTNESS AND ENERGY SAVING

FORTH LED Traffic Light saves energy and uses minimum power necessary while maintaining approved brightness standards. Power factor values of more than 0.9 are used, while the brightness standard used is approved by the Institute of Transportation Engineers.

» SPECIFICATIONS

Design	Surge protection circuit. Any damage occurred is isolated to single LED unit.
LED	AllnGaP (Red, Amber) and InGaN (Green) UV Protection Epoxy for LED Optical Bulb
Brightness and Wave length	Approved to standards of Institute of Transportation Engineers
Lens	Ultraviolet resistant polycarbonate
Back cover of retrofit housing	Ultraviolet resistant polycarbonate
Ingress protection	IP65
Voltage and frequency	110 - 260 VAC 50 Hz
Power Consumption	13W - Red, 15W Amber, 12W Green
Power factor	> 0.90
Harmonic distortion	< 20% at 25 °C
Temperature range	-20 °C to 70 °C
Pattern	Full circle, arrow and walk signal

» DIMENSIONS





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