

■ TGSL-H(BP)

■ LED Taxiway Guidance Signs



Compliance with Standards

CAAC: MH/T 6011
 ICAO: Annex 14, Volume I
 FAA: AC 150/5345-44

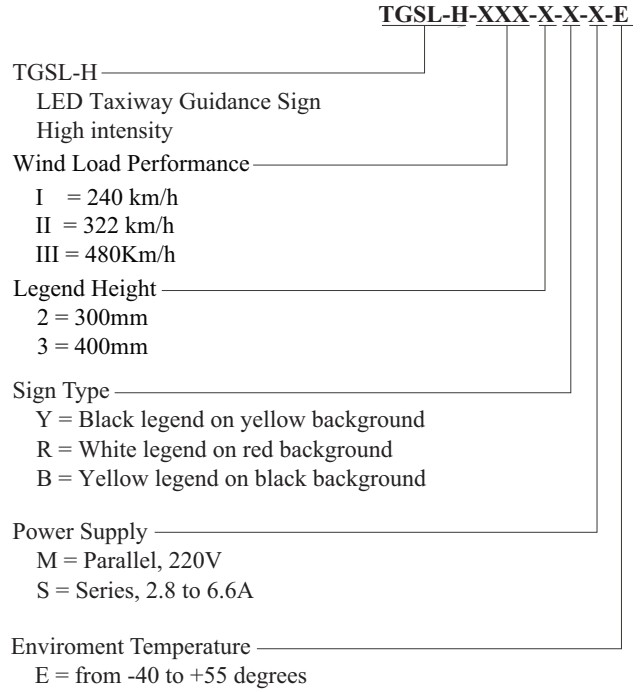
Application/Use

Taxiway guidance sign, including
 Mandatory instruction signs, information signs, and location sign

Features

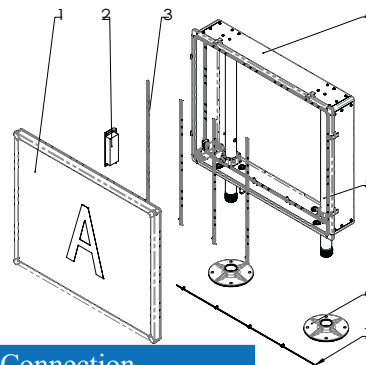
- Forms of characters, chromaticities and luminance, uniformity ratio in accordance with the provisions of ICAO Annex 14
- The LED bar is featured by long working life, energy conversation, maintenance-free, which brings enormous economic benefits to customers
- Top brand LED and proprietary driver circuit, which greatly improves the reliability and service life of light fixture
- LED driver unit accommodates to 5 steps brightness regulation, with variations of light intensity less than 5%
- Strict LED color management to ensure premium color consistency and purity
- Internal reflection lighting ensures more even luminance without shadows
- 4.5mm-thick panel made of polycarbonate material, which contains UV-resistant layers and is also impact and abrasion resistant
- Aluminum frame structure with support pillar goes through the sign's interior, rigid construction, durable and wind resistant
- Multiple waterproof structures with high level of ingress protection
- Modular design of driver circuit, easier to maintain
- Driver circuit integrated with surge protection function and over-heat protection module to enhance reliability
- Power factor of above 0.9 in all 5 brightness steps
- EMI in accordance with FAA requirements, certified to FCC Part15 Class A standard
- Tool-free detachable front panels, convenient for daily cleaning and maintenance
- Frangible couplings with precision machining, complying with FAA requirements, which ensures stable and reliable performance
- The main body is made of aluminum alloy with anti-corrosion treatment, all fasteners are made of stainless steel, suitable for harsh environment application
- Standard chains to prevent signs which have broken from their mounting from blowing away
- Large flange to improve the sign's capability of gust resistances

Ordering Information



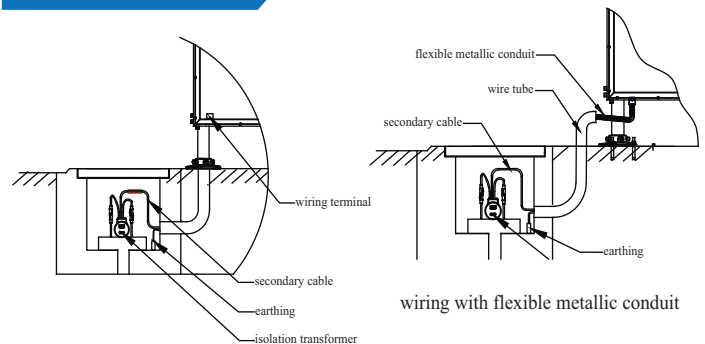
* Please provide detailed legend info and specific content, parts and accessories should be ordered separately specific with order no.

Construction



1. Front frame assy
2. Driver assy
3. LED light bar
4. Back frame
5. Frangible pole
6. Base plate
7. Wire connection

Connection

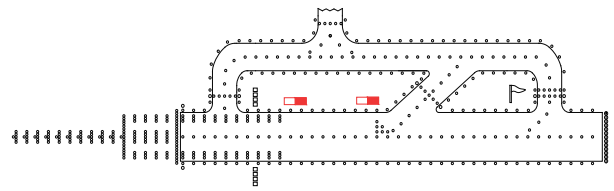


wiring inside pole

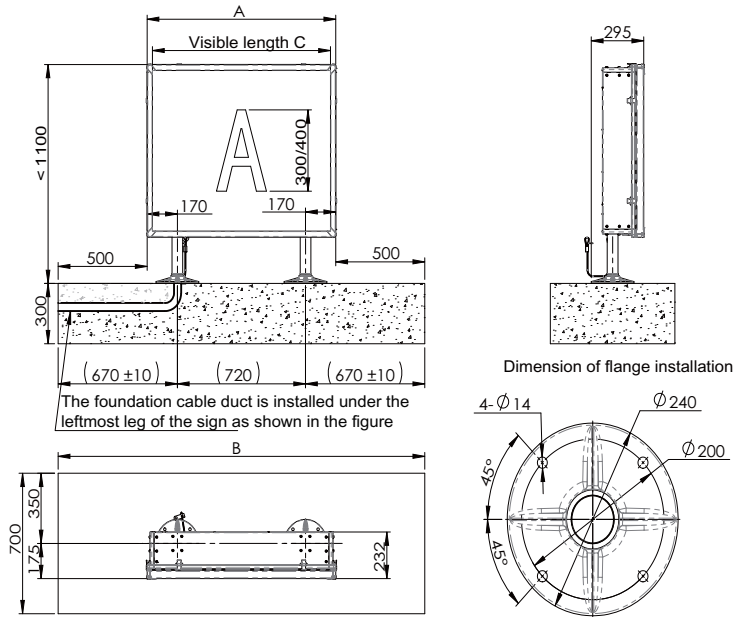
wiring with flexible metallic conduit

■ TGSL-H(BP)

■ LED Taxiway Guidance Signs



Installation



* See specific dimensions in product manual

Technical data

Power factor: > 0.9
 Power supply: 2.8 to 6.6A series power
 or 220V parallel power supply
 Wind load: 240k m/h, 322 km/h or 480 km/h
 Protection level: ≥IP65
 Environment temperature: -40°C to +55°C

Accessories

Struc No.	Part No.	Order No.	Description
2	LED Driver	60871	LED driver for TGSL
3	LED Strip	960A04	LED strip(H300)
		960A02	LED strip(H3400)
5	Support Pole	60845- I	Type I Support Pole
		60845- II	Type II Support Pole
		60845- III	Type III Support Pole
6	Flange	27691	Flange 240
7	Strip connecting wire	71804	Strip connecting wire
	Hinge	946341	Hinge
	Water Leakage Cover Assy	948418	Water Leakage Cover Assy
	Terminal Block	SV3.5-4	Type Y insulation cold-press terminal

Power determination

Visible length	Red Background					Yellow Background				
	1m	1.5m	2m	2.5m	3m	1m	1.5m	2m	2.5m	3m
Qty of LED light bar	7	10	13	16	19	3	4	6	7	8
Qty of driver	1	1	2	2	2	1	1	1	1	1
power (VA)	70	90	135	155	175	45	50	65	70	80
Isolation transformer (W)	100	100	150	200	200	45	65	65	100	100