

## ■ TGSL-H(BP)

## ■ LED Taxiway Guidance Signs



### Compliance with Standards

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

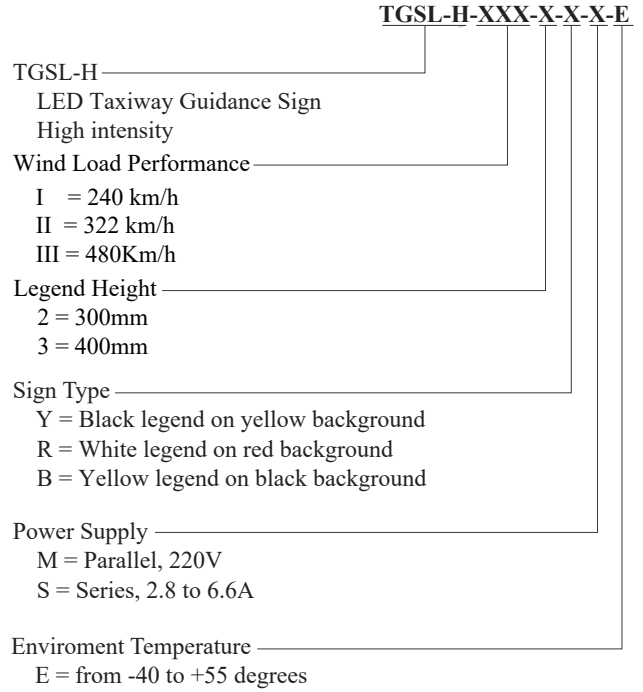
### Application/Use

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

### Features

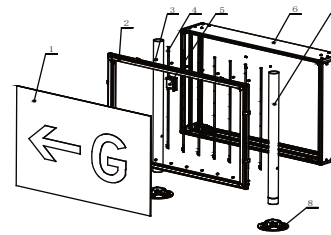
- Forms of characters, chromaticities and luminance, uniformity ratio in accordance with the provisions of ICAO Annex 14
- The LED bar is featured by long working life, energy conversation, maintenance-free, which brings enormous economic benefits to customers
- Top brand LED and proprietary driver circuit, 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



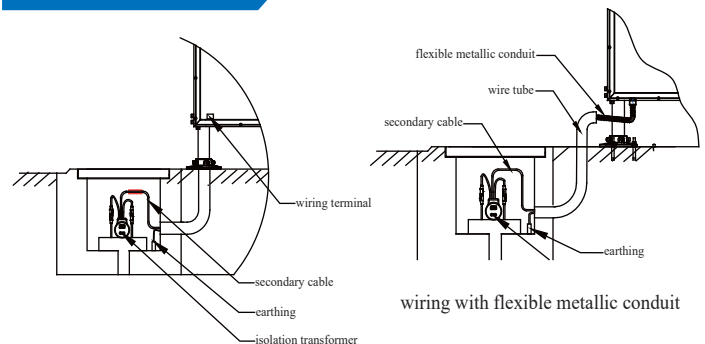
\* Please provide detailed legend info and specific content, parts and accessories should be ordered separately specific with order no.

### Construction



- 1.PC panel
- 2.Front frame
- 3.Bolt
- 4.LED lamp
- 5.LED lamp drive
- 6.Frame
- 7.Frangible pole
- 8.Base plate

### Connection

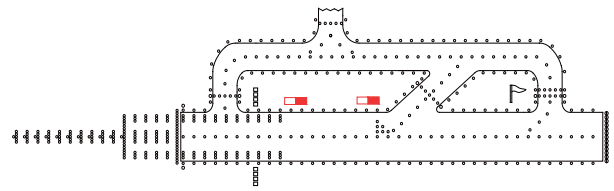


wiring inside pole

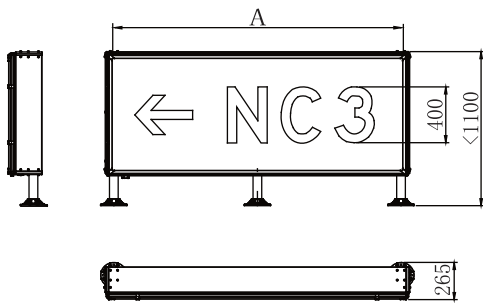
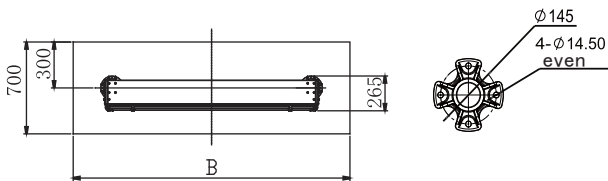
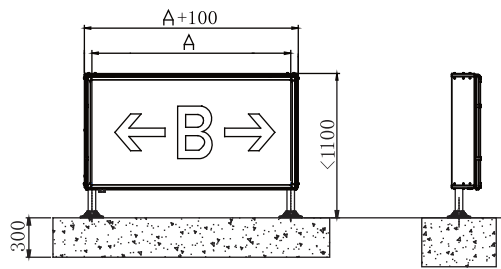
wiring with flexible metallic conduit

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## Installation



\* See specific dimensions in product manual

## 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

## 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: IP54

Environment temperature: -40°C to +55°C

## Power determination

No.	Lamp quantity	50W	100W	150W	200W	Power factor
		Actual power (W/VA)	Actual power (W/VA)	Actual power (W/VA)	Actual power (W/VA)	
1	7	45/47	45/47	45/47	45/47	0.95
2	8	49/51	49/51	49/51	49/51	0.95
3	9	53/55	53/55	53/55	53/55	0.95
4	10	57/60	57/60	57/60	57/60	0.95
5	11		61/64	61/64	61/64	0.95
6	12		65/68	65/68	65/68	0.95
7	13		68/71	68/71	68/71	0.95
8	14		72/75	72/75	72/75	0.95
9	15		76/80	76/80	76/80	0.95
10	16		80/84	80/84	80/84	0.95
11	17		83/88	83/88	83/88	0.95
12	18		86/91	86/91	86/91	0.95
13	19		90/95	90/95	90/95	0.94
14	20		94/100	94/100	94/100	0.94

\* power determination under CCR load 50%