

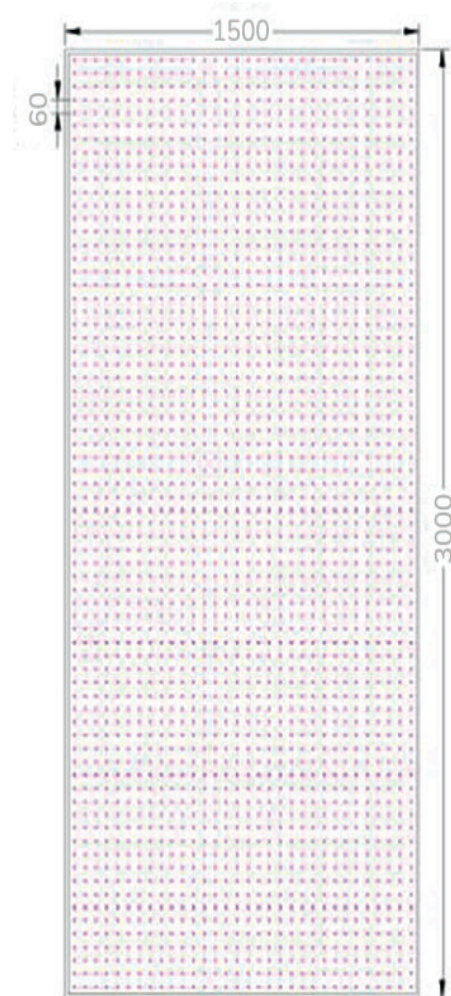
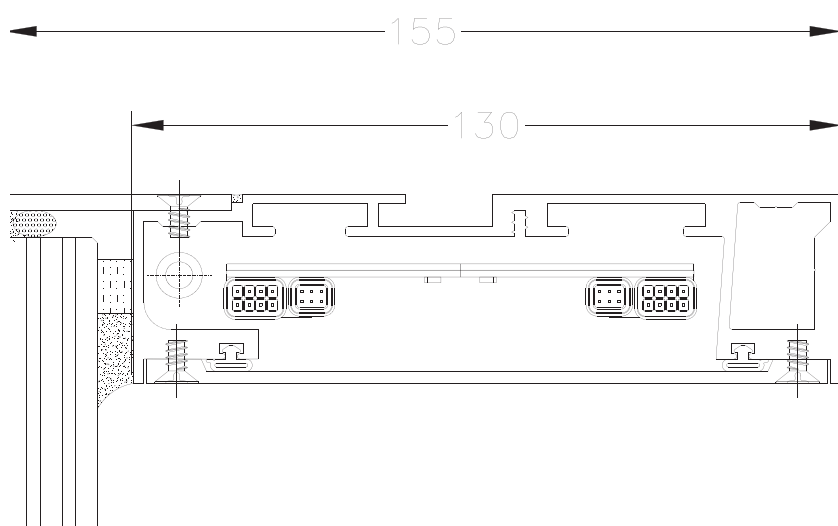
G-SMATT LED Glass P60 Data Sheet



SMATT
EUROPE

Technical Specifications

5,000 [nt]
brightness



Color	Color LEDs
LED Arrangement	16x16 (per sq.m.)
Pixel	1,150
Pixel Pitch	H : 60 [mm], V : 60 [mm]
LED Maker / Model	NICHIA / NESM026DT
Viewing Angle	H : 140°, V : 140°
Brightness	5,000 [nt]
Luminous Flux	350 [lm]
Color Depth	12 [bit]
Maximum Size	1,500 × 3,000 [mm]

Weight	Appx. 25 kg / sq.m.
Glass Input Voltage / Current	45 [V _{DC}] / 10.4 [A _{DC}]
Power Consumption(with SMPS)	220 Watts/m ²
SMPS Input Voltage	100 ~ 240 [V _{AC}] / 50 or 60 [Hz]
Life Time	> 100,000 [Hr]
Storage Temperature	-40 ~ 80 [°C]
Operating Temperature	-30 ~ 60 [°C]
Glass specification	6mm Heat Strengthened/FT cover / 2.5mm interlayer/4mmFTO with LED/ 2.5mm Interlayer/4mm FTO with LED

*Measuring Condition : White Color 100% Brightness. All dimensions in mm.

		Product	Model	Standard	Rating
Electrical Safety	IEC	LED	LPAWW(ITO)	IEC62471:2006	Pass
			1608 (dimmer chip)	IEC62471:2006 (chip)	Pass
			NESL157B (mono chip)	IEC62471:2007 (mono chip)	Pass
	LVD	Electric signboard	NESM026DT (color chip)	IEC 60950-1and/or EN60950-1	48V,4A,192W, (1000*1000,10.5T,16*16, Color)
		Electric signboard	FC-1000-2056,GSG-C/M/X/D	EN 60950-1	230V, 50/60 Hz, 400W (1000*2000,10.5T, 16*32 Color) M/X/D => 16*16
		Module	GS-C-aaaabbbb0048xxxxx GS-M-aaaabbbb00224xxxxx	EN 60950-2	48V dc, Max. 10.5A, Max500W 24V dc, Max. 13.5A, Max.500W
	EMC	G-Glass	GS-C-aaaabbbb0048xxxxx GS-M-aaaabbbb0024xxxxx GS-C-aaaabbbb0045xxxxx	EN 55020: 2010 + AC:2011, Class AEN 55032: 2015 (ClassA) EN 55024:2010+A1:2015 EN61000-3-2:2014EN61000-3-3:2013	48V d.c., Max. 10.5A, Max. 500W 24V d.c., Max. 13.5A, Max. 330W
			FC-1000-0256 Color G-Glass with Frame GSD/LED Glass	EN 55015: 2013	230V,50Hz,18W (535*435, Dimmer)
		Electric Sign Board	FC-1000-0256,GSG-C/M/X/D	EN 55015: 2014	230V,50/60Hz,400W (1000*2000,10.5T,16*32 Color) M/X/D => 16*16
Heavy Metal	RoHS	G-Glass	FC-1000-0256 Color G-Glass with Frame GSD/LED Glass	IEC-62321/TR	230V,50Hz,18W (535*436, Dimmer)
Glass compliance	CE / CPR	G-Glass	Pendulum impact test on flat glass	EN 12600	2(B)2
			Resistance against manual attack	EN 356	P2A
			Glass in Buildings - laminated safety glass	EN 12543	Pass
			Reaction to fire tests for building products	EN 13823	B-S2-d0
			Spread of flames	EN 11925	Pass
			Glass in building. Insulating glass units	EN 1279	Pass



SMOTT
EUROPE

Providing the stage for your creativity



Architecture. Interiors. Events.

The perfect canvas for
your imagination

G-SMATT's range of embedded LED glass is a best-in-class architectural laminated safety glass that can be used for internal partitions, on freestanding portable base units and fixed as external glass facades. This 20mm pitch product is the highest definition product that G-SMATT produces and gives excellent definition at small screen sizes.

The glass provides a high light transmittance due to its ability to drive current through transparent laser etching on FTO glass surface whilst still maintaining 99.7% transparency. With best-in-class LEDs from Nichia, media content is visible at sharp angles of 140 degrees giving excellent visibility at a wide range of viewpoints. The laminated glass is compliant with all European safety glass and fire requirements and can withstand barrier loading without affecting functionality.

The electronic drivers and components in G-SMATT Glass are highly water resistant and have passed the requirements as per IEC and EN standards for safety and heavy metals during use.

Media content on glass can be driven by industry standard off-the-shelf software leading to simple integration with other media systems.

Get in **touch**

+44 (0)1865 688221

info@g-smatteurope.com

Learn more at:

g-smatteurope.com

Create. Amaze. Inspire