

TPRS WIZARD GLASS

SAFE AND AESTHETIC LAMINATED GLASSES



Trust TPRS to explore Glass

TPRS GLASS (SINCE 2005)



CERTIFIED PROCESSOR



TPRS - QSPI

QUALITY SERVICEABILITY PROFESSIONALISM INNOVATION

We are a trusted Architectural, Automobile, Elevator and Escalator Glass solutions provider in India. We hold maximum market share in Automobile OE segment, Architectural segment, Interior segment and Elevator segment. We also export Automobile and Architectural glasses to UAE, UK, African and Asian countries.

TPRS is a 1000+ member family and we specialise in toughened safety glass, laminated safety glass, screen printed safety glass, digitally printed safety glass and insulated glasses for Architectural, Automotive Elevators and Escalators segment. We have obtained necessary certifications viz. ISO 9001 : 2015, E Marking, IATF 16949, COP, ISI 2553 Part I & II, CE Marking, AS 1288:2006, DOW Corning Quality Bond Certification.

We have many established laboratories in which all the testings are conducted in line with required standards. We support rapid new product development, supply quality products and adhere to delivery commitments and we value our customer satisfaction which is a driving force in all walks of our development.



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LIQUID CRYSTAL

LCG®

Dynamic glass that switches from transparent to varying degrees of opaque

LAMINATED LCG

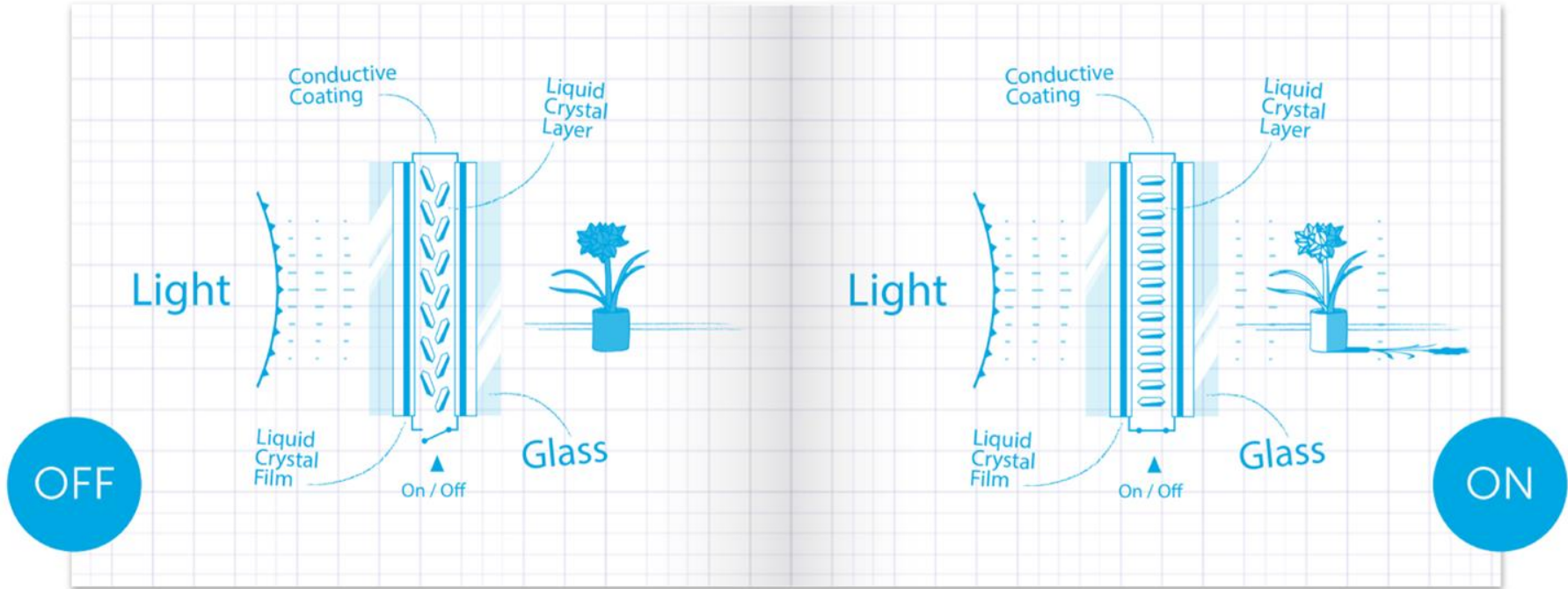
Ultra-low haze with PVB or EVA

Seamless cutting, laminating and installation process

Embedded for durability, reliability and extra safety Ideal for new buildings and renovation projects

Easy maintenance and cleaning

PROCESS INVOLVED



Flexibility on demand





On = Transparent



Off - Opaque

TPRS WIZARDGLASS

TECHNICAL DATA SHEET

Maximum width : 1400 mm (1800 on request)
Maximum height : 2500 mm (3600 on request)



Energy consumption : 3 watts/SQM



Maximum thickness : Unlimited
Minimum thickness : 11 mm



FUNCTION



Allows a laminated panel to switch from completely opaque to transparent instantly with the application of an electrical current to an embedded layer of liquid crystal particles using Gauzy's LCG controllers. .

SWITCHING ACTION:



An array of switching options (including dimming) are available from a basic single-pole/single throw switch to advanced integration into home automation systems

METHOD OF ACTION



Electrical current either aligns or randomizes liquid crystals to achieve desired transparency

PERFORMANCE DATA

On: 78% / Haze Range: Min 2.1%, dependent on type and thickness of substrates used

Off: 3% / Total Light: 65%; Total Light: 80%; Haze Range: Full, dependent on type and thickness of substrates used

BENEFITS

- Flexibility on demand
- Low Haze
- UV Block
- IR Control
- Convenience in operating
- Technical Superiority - IOT
- Space saving - screen vs pdlc - Nakshathra image - Screen usage
- Screen cost - Hygiene
- Maintenance free
- Minimalistic and well connected spaces

TPRS WIZARDGLASS

PARAMETERS

Color	Translucent (Opaque)	Clear
Visible Light Transmittance	4% (high opacity)	> 60%
Light Transmittance	65%	80%
Switching Time	Off - On	10ms
	On - Off	150ms
Operating Voltage	35 - 70 VAC Square wave	
Power consumption	3 W/m ²	
Operating Temperature	-20°C	70°C
UV Block	99%	

HIGH PRIVACY - HIGH DAYLIGHT

Save your energy cost - Quality tested (UL & CE)

CONTROLLER - LONGEVITY

Controller is protection against

DC Blocking

Short Circuit

Over load

Over Voltage

Controllers are CE (Europe) & UL (America) certified

Soft Start - Increases film life

Square wave output - Instant Switch on and off

Stable at all fluctuations

Absorb high transients

40% Less power consumption



PDLC CERTIFICATIONS



Institute of Quality & Control

CERTIFICATE

NO. I18317

This is to certify that
the Quality Management System of

Gauzy Ltd

14 Hathiya St. Tel-Aviv, Israel

Was audited by IQC and found to be
in compliance with the requirements of the standard:

ISO 9001:2015

This certificate is valid for
the following scope of activities:

Manufacturing and marketing of liquid crystal technologies and advanced materials

This certificate is valid until: 16.03.2022
Certification cycle will end on: 16.03.2022
Date of first approval: 16.03.2016

This certificate is subject to the continuing satisfactory operation
of the Management System and periodic auditing by IQC

01.05.2019
Issue date

Nir Halpern
Nir Halpern, CEO




Institute of Quality & Control Ltd.
6 Ravnitzky St., Petah Tikva 4900617, Israel
Tel: 03-9313555, Fax: 03-9044406
E-Mail: info@iqc.co.il, www.iqc.co.il

CERTIFICATE OF COMPLIANCE

Certificate Number	20190606-E506053
Report Reference	E506053-A1-UL
Issue Date	2019-JUNE-06

Issued to: Gauzy Ltd.
14 Hathiya Street, Unit 203
6816914 Tel Aviv - Yafo ISRAEL

**This certificate confirms that
representative samples of**

**COMPONENT - INFORMATION TECHNOLOGY
EQUIPMENT INCLUDING ELECTRICAL BUSINESS
EQUIPMENT**
See Addendum

Have been investigated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07,
Information Technology Equipment - Safety - Part 1:
General Requirements

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only
the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.


Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified
and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

Russell
Bruce Mahrenholz, Director North American Certification Program
UL LLC

Any information and documentation involving UL, their activities are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please
contact a local UL Customer Service Representative at 1-800-UL-CERTIFIED@UL.COM





Certificate

Certificate no. CU 72151233 02

<p>License Holder: Gauzy Ltd. 14 Ha'tehiya St. 6816914 Tel Aviv Israel</p>	<p>Manufacturing Plant: A.Y. Electronics Ltd. Telrad Industrial Park 1 Bat Sheva St. Lod 71201 Israel</p>
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Test report no.: USA-JD 31581437 002	Client Reference: Adrian Lofer
Tested to: UL 60950-1:2007 R10.14 CAN/CSA-C22.2 NO.60950-1-07+A1:2011+A2:2014	

Certified Product: LC Film Smart Controller	License Fee - Units
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Addition:
Model Designation: GAU3-x-y-z
(x= S, M; y= O, D, B, DMX;
z= 8, 16, 24, 32, blank)

Rated Current: 1.36A

Appendix: 1, 1-7

<p>Licensed Test mark:</p>  <p style="font-size: small;">C US</p>	<p>Date of Issue (day/mo/yr) 13/10/2017</p>
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TÜV Rheinland of North America, Inc. | 12 Commerce Road, Newbury, CT 06458 | Tel (203) 436-0888 Fax (203) 436-0200

INSTALLATION SUPPORT / WARRANTY STAMP

FRAMED PANELS:

Specialized films available for exterior

Colour PDLC

- Wizard Glass Customizations - Available with custom prints
- Colour options available
- Integrated design & Technical materials (PDLC - Dichroic)

WHY TPRS?

Responsive to customer needs



Inhouse product and design development team



Always audit ready for vendor assessment



100 % quality

We bring 25 years of safety glass expertise



Easy access to all levels of people in management



Just In Time delivery
Short lead time



Packaging to suit your needs



Round the clock operations



Quick adaptability to any changes



Realtime support for post sales enquiry



Superior Finish
High accuracy

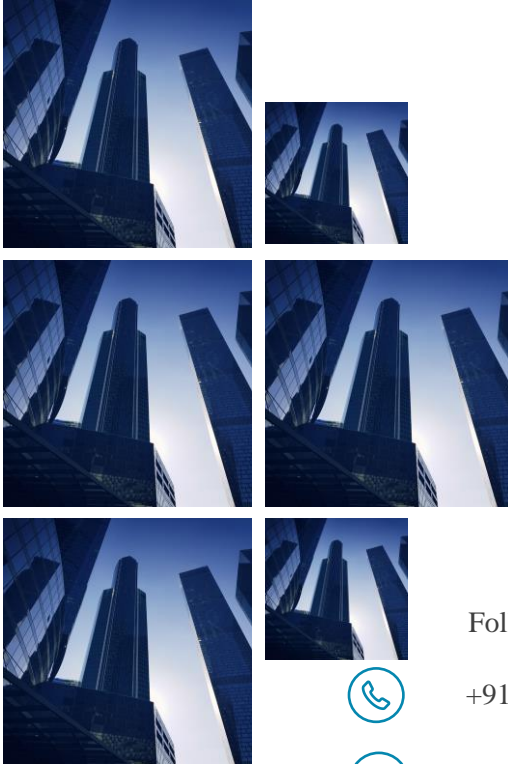


Clear and transparent account statement



TRUST TPRS

to explore glass



Currently Serving :

- Pondicherry
- Tamil Nadu
- Karnataka
- Kerala
- Maharashtra
- Goa
- Telangana
- Andhra Pradesh etc.

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Bahour Commune, Puducherry - 607402



www.tprsenterprises.in

We will be happy to assist you with the most trusted glass and fabrication suggestions



TPRS Values – QSPI

- Quality
- Serviceability
- Professionalism
- Innovation

