



Traiva s.r.o. , Pohranicni 2911/13b, Ostrava,  
703 00, Czech republic

Photoluminescent signs

Technical Data Sheet

Photoluminescent Signs – Glowstar FTL 150



## Technical Data Sheet

### Photoluminescent Signs – Glowstar FTL 150



Parameter	Value
Product Name	Glowstar FTL 150
Article Number	16713 and above – all pictograms and sizes
Brand	Traiva
Trade Name	Glowstar
Country of Origin	Czech republic
Application	Exit and escape route marking, safety signage
Standard Compliance	ISO 7010, ISO 17398, ISO 3864-4, DIN 67510
Photoluminescence Class	Class C
Appearance (material)	Light yellow
Glowing Color	Yellow-green
Weight	1.7kg/sqm
Thickness	1.1mm
Tensile Strength	≥35 mpa
Adhesive	No adhesive
Format	Rectangular
Orientation	Landscape
Dimensions	300 × 150 mm
Width	300 mm
Height	150 mm
Max Service Temperature	+66 °C
Min Service Temperature	-40 °C
Luminance (after 10 min)	Minimum 150 mcd/m <sup>2</sup> / real test 187 mcd/m <sup>2</sup>
Afterglow Duration	Up to 12 hours



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Parameter	Value
Material Type	PVC resin, Photoluminescent pigment.
Radiation Safety	Non-harmful to human body
Indoor Lifetime	Unlimited
Outdoor Lifetime (material)	Up to 15 years
Outdoor Lifetime (print)	7–10 years (depending on UV exposure)
Temperature Resistance (mounted)	-40 °C to +80 °C
Water Resistance	No deviation after 48 h at 23 °C
Print Temperature Resistance	-40 °C to +80 °C
Flammability	Passed ISO 17398
Chemical Resistance	Resistant to most acids and alkalis
Solvent Resistance	Limited (sensitive to organic solvents like toluene, benzene, heptane)
Mounting Options	Can be drilled or glued,
Max Production Width	1000 mm
Max Single Print Length	1000 mm
Packaging	1 sign per pack
Minimum Order Quantity	1
REACH SVHC Status	Does not contain SVHC, Test report SGS

Photoluminescent Performance according to test ISO 17398

Glowstar FTL 150	After 2 min (mcd/m <sup>2</sup> )	After 10 min (mcd/m <sup>2</sup> )	After 30 min (mcd/m <sup>2</sup> )	After 60 min (mcd/m <sup>2</sup> )	Comment
(Requirement)	690	140	45	20	Required by ISO 17398 / DIN 67510 – Class C
Glowstar FTL 150 test	981	187	57	25	Real value