



Description

RD90 and RDE90 are A.L.P.'s innovative light guide plates, utilizing optical grade PMMA resin (virgin only) and a unique pattern design that increases the spread of light in comparison to traditional light guide plate options. RD90 is specifically engineered for edge lit applications, offering benefits including ultra-slim design (2mm, 3mm and 4mm) laser cut to fit any fixture shape. Its unparalleled uniformity of light and excellent luminance make it an excellent choice for many lighting applications including parking garage, pendants, slots and troffers.

Laser etched features are optimized per the distance of light throw to provide best of extruded sheet performance. A.L.P. can offer in-house precision laser cut panels and optimized panels to your desired requirements. Ask About our diffuser options.

	RD90 3D-Laser +lenti pattern LGP	Traditional/Competition 2D-Laser LGP
Images		
Type		
Optical Profile		
Pattern Process		
Brightness (%)		
Test Results	System Flux (lumen pack): 3,784 Lm Luminous Efficiency: 95 lm/w (3,784lm/40w)	System Flux (lumen pack): 3,216 Lm Luminous Efficiency: 80 lm/w (3,216lm/40w)

Note: Reflector and most diffuser options by others.

Specifications

Maximum sheet sizes:

1220 x 1220 x 2mm
1220 x 1220 x 3mm
1220 x 1220 x 4mm

Minimum sheet sizes:

2 x 2 x 2mm
2 x 2 x 3mm
2 x 2 x 4mm

Material:

PMMA – (light guide grade clear acrylic)

Semi-custom (made from standard sheets) includes octagons, circles, notches along flat sides and adding transition regions (no extraction features in this region)

Transmittance: 94%

Contact us to get an order sheet to start the process of getting a quote and samples for your next project.