

DIRECTORS:  
R H C Worthington  
A R J Worthington  
N C Worthington

Exclusive Distributor for  
Nitto Jushi Kogyo Co. Ltd.  
Manufacturers of **CLAREX®**

Weatherall Equipment & Instruments Ltd.  
Unit 1, Station Approach, Wendover, Bucks.  
HP22 6BN  
England

T: +44 (0)1296 622180  
F: +44 (0)1296 624955  
E: sales@weatherall-uk.com  
W: www.weatherall-uk.com

## CLAREX Diffusion Reflector DR-IA

**CLAREX** DR-IA diffusion reflector greatly improves reflection and uniformly reflects external light. When used for small displays, (e.g. Watches) it efficiently guides light.

### Features:

- Excellent Diffuse-Reflection of ambient light.
- Light-guide functionality.
- Outstanding Optical Characteristics.
- Excellent weather resistance.
- Many standard substrate colours available or colour matching also available.
- Versatile substrate suitable for laser cutting, milling, printing, forming etc.

### Available Sizes:

- 400 x 550mm (from 0.2mm thickness)

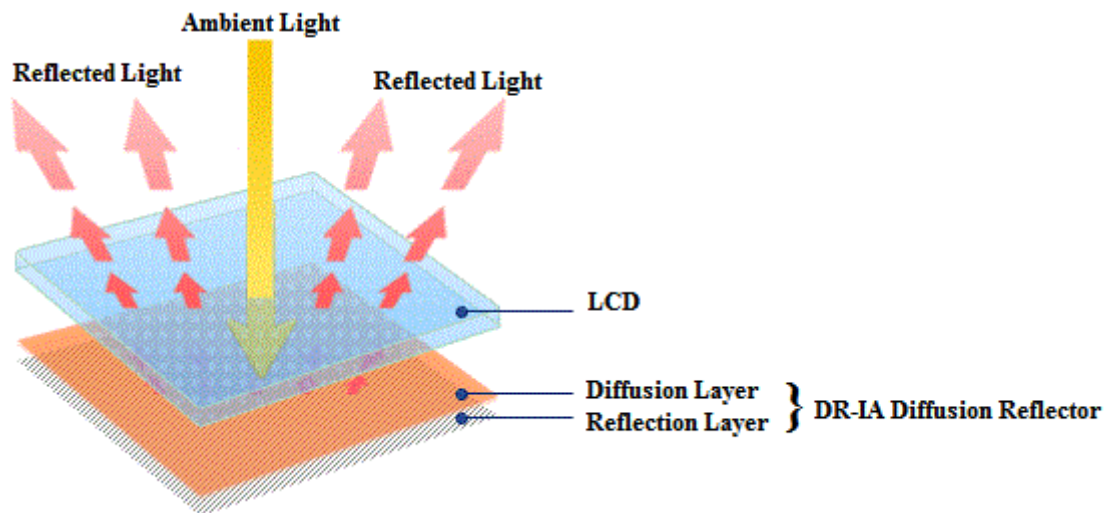
### Available Thickness:

- 0.2mm to 1.0mm (in 0.1mm increments)

\*Please contact us if you require another thickness or size

\* Machining and printing available according to customer specifications

### Construction:



### Applications

- LCD reflectors for Digital Watch, Clocks, Electronic Games, Calculator, etc.

DIRECTORS:  
 R H C Worthington  
 A R J Worthington  
 N C Worthington

Exclusive Distributor for  
 Nitto Jushi Kogyo Co. Ltd.  
 Manufacturers of **CLAREX®**

Weatherall Equipment & Instruments Ltd.  
 Unit 1, Station Approach, Wendover, Bucks.  
 HP22 6BN  
 England

T: +44 (0)1296 622180  
 F: +44 (0)1296 624955  
 E: sales@weatherall-uk.com  
 W: www.weatherall-uk.com

### Physical Properties:

PROPERTIES	METHOD	UNIT	VALUE
Reflective Index	ASTM D-542		1.49
Heat Distortion Temperature	ASTM D-648	°C	110
Maximum Recommended Continuous Temperature		°C	80
Coefficient of Thermal Expansion	ASTM D-696	cm/cm/°C	7 x 10 <sup>-5</sup>
Pencil Hardness			2H
Heat Resistance	80°C x 100hr		No Change
Cold Resistance	-40°C x 100hr		No Change
Humidity Resistance	60°C x 90% x 100hr		No Change
Thermal Cycle	-40°C<->80°C (10 cycles)		No Change

### Chemical Resistance:

REAGENT	CHANGE OF APPEARANCE
Ethyl Alcohol (50%)	No Change
Isopropyl Alcohol	No Change
Soap Aqua Solution	No Change
Benzene	Swollen