

## Solas Ray™ Warranty Exclusion and Conformity

### WARRANTY EXCLUSIONS:

#### BATTERIES AND POLES:

Emergency batteries and poles are excluded from coverage by the Solas Ray™ Lighting General Limited Warranty.

Emergency batteries, and poles are warranted separately by the manufacturers of such components.

Emergency batteries and poles that may be incorporated into Solas Ray™ Lighting Fixtures(s) are solely responsible for any costs or expenses related to any claims, repairs, or replacements associated with any such component(s). Assistance with warranty claims for any such component(s) may be obtained from an authorized Solas Ray™ Lighting customer service representative.

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### LIMITED WARRANTY ACRYLIC AND POLYCARBONATE CHEMICAL CONFORMITY:

Chemicals and their gasses may cause deterioration or failure in an LED Fixture or its components, especially lenses and components made from acrylic or polycarbonate material. Damages such as cracking, discoloration and mechanical failure can occur and require the fixture to be replaced with a more durable

product for the application. Contact with compounds identified below as “Not Satisfactory” or any chemical in the environment that causes product deterioration will void all Solas Ray warranties for the product. For additional information please consult an authorized Solas Ray Lighting Engineering

representative. The end-user should carefully evaluate the environmental materials listed below prior to any decision regarding the compatibility of any lighting fixture application before purchase and installation.

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### ACRYLIC CHEMICAL CONFORMITY

#### SATISFACTORY

2-Ethylhexyl Sebacate Fruit Juice Potassium Chlorate  
Acetic Acid, 5% Glycerol (Glycerine) Potassium Cyanide  
Ammonia-Based Cleaners @ 25°C Heptane Potassium Dichromate, 10%  
Ammonia @ 25°C Hexane Potassium Hydroxide @ 25°C  
Ammonium Hydroxide, 28% Hydrochloric Acid, 38% Potassium Permanganate  
Ammonium Nitrate Hydrogen Peroxide, 30% Potassium Sulfite  
Ammonium Phosphate Hydrogen Sulfide Power Steering Fluid  
Aniseed, Bay Leaves, Nutmeg Kerosene Propylene  
Anti-freeze Lactic Acid, 20% Pure-oil Paints  
Beer Metal Carbonates Silicone Oil  
Bleaching Powder Paste Metal Chlorides Silver Nitrate  
Bleaching Powder Solution, 5% Metal Sulfates Soap Suds  
Butane Methane Gas Sodium Chloride, 10%  
Calcium Hypochlorite Milk Sodium Cyanide  
Car Wash Detergent Motor Oil Sodium Fluoride  
Carbon Dioxide Gas Natural Gas Sodium Hydroxide, 60%  
Carbon Monoxide Gas Nitric Acid, 20% Sodium Hypochlorite, 15%  
Caustic Potash Nitric Oxide Sodium Nitrate  
Chlorine Based Cleaners @ 25°C Nitrogen Dioxide Gas Sodium Thiosulphate, 40%  
Chlorine, Aqueous, 2% Nitrogen Monoxide Gas Stearic Acid

#### SATISFACTORY (Continued)

Citric Acid, 20% Olefic Carbolic Acids Sulfur Dioxide, Dry Gas  
Coffee (Unflavored) Oleic Acid Sulfuric Acid, 30% @ 25°C  
Cooking Oil Olive Oil Sulfurous Acid, 5%  
Cottonseed Oil Oxalic Acid, 100% Tartaric Acid, 50%  
Diethylene Glycol Oxygen Gas Transmission Fluid  
Epoxy Adhesives Ozone Gas Tricresyl Phosphate  
Ethyl Alcohol, 15% Paraffin, Medicinal Triethyl Amine  
Ethylene Glycol Pepper, Onions Vinegar  
Ethylene Oxide (Dry) Phosphoric Acid, 10% Wax Polish  
Ferric Chloride, Aqueous, 10% Photographic Baths Whitewash  
Formaldehyde, Aqueous, 40% Polishing Compounds Wine

#### NOT SATISFACTORY

Acetaldehyde Cinnamon Oil Methyl Salicylate  
\_ Acetates Cloves Methylamine  
Acetic Acid, 50%+ Cosmoline Removers Methylene Dichloride  
Acetic Anhydride Cresol Mineral Oil @ 40°C+  
Acetone Cyclohexane Nail Polish  
Acetonitrile Cyclohexanone Naphtha  
Acetophenone Cyclohexene n-butyric Acid, 100%



## NOT SATISFACTORY (Continued)

Acrylic Paints Diacetone Alcohol Nitric Acid, 40%+  
 Alcohol, Allyl Diamyl Phthalate Nitrobenzene  
 Alcohol, Amyl Dibutyl Sebacate Nitrocellulose  
 Alcohol, Benzyl Diethyl Ether n-Octane  
 Alcohol, Butyl (Butanol) Dimethyl Formamide Oleum  
 Alcohol, Ethyl (Ethanol), 50%+ Dioctyl Sebacate Organic Solvents  
 Alcohol, Isopropyl Dioxane Paint Removers  
 Alcohol, Methyl (Methanol), 10%+ Ether Paint Thinner  
 Aluminum Hydroxide Ethyl Acetate Perchloroethylene  
 Amyl Acetate Ethyl Bromide Petroleum Ether (100-120°C)  
 Ammonia @ 40°C+ Ethyl Butyrate \_ Phenols  
 Aniline Ethylene Bromide Phosphoric Acid, 95%  
 Aromatic Solvents Ethylene Chloride Phosphoric Trichloride  
 Aviation Fuel (100 Octane) Ethylene Dibromide \_ Phthalates  
 Benzaldehyde Ethylene Oxide (Moist) Pyridine  
 Benzene \_ Fluorides Salicylic Acid  
 Benzoic Aldehyde Formic Acid Silicon Tetrachloride

Bituminous Emulsions Fuels w/ Benzene (Gasoline) Sodium Phosphate  
 Brake Fluid Glycol Sulfoxides  
 Bromine Gas Hydrofluoric Acid Sulfur Dioxide, Liquid  
 Butraldehyde Hydrochloric Acid, 40%+ Sulfuric Acid, 65% @ 40°C+  
 Butyl Acetyl Ricinoleate Hydrogen Peroxide, 40%+ Sulfurous Acid, Concentrated  
 Butyl Lactate Iron Perchloride Tincture of Iodine, 5%  
 Butyl Stearate Isoctane Toluene  
 Carboic Acid \_ Ketones Transformer Oil  
 Carbon Disulfide Lacquer Thinner Trichloroethane  
 Carbon Tetrachloride Lactic Acid Butyl Ester Trichloroacetic Acid  
 Cellulose Paints Mercury Chloride Trichloroethylene  
 Chlorinated Hydrocarbons Meta-Cresol Turpentine  
 Chlorinated Solvents Methyl Benzoate Vegetable Oil  
 Chlorine Gas Methyl Chloride Xylene  
 Chlorophenol Methyl Cyclohexanol  
 Chromic Acid Methyl Naphthalene

## POLYCARBONATE CHEMICAL CONFORMITY

### SATISFACTORY:

Acetic Acid, 5% Hydrochloric Acid, 15% Silicone Oil  
 Ammonium Chloride Hydrogen Peroxide, 30% Silver Nitrate  
 Ammonium Phosphate Lactic Acid, 20% Soap Solutions  
 Ammonium Sulfate Linseed Oil Sodium Bicarbonate  
 Aniseed, Bay Leaves Metal Carbonates Sodium Chlorate  
 Anti-freeze Metal Chlorides Sodium Chloride, 10%  
 Beer Metal Sulfates Sodium Hypochlorite, 15%  
 Benzoic Acid Methane Gas Sodium Peroxide  
 Bleaching Powder Solution, 2% Milk Sodium Thiosulphate, 40%  
 Boric Acid, 10% Mineral Oil @ 25°C Stearic Acid  
 Car Wash Detergent Motor Oil Sulfur Dioxide, Dry Gas  
 Carbon Dioxide Natural Gas Sulfuric Acid, 30%  
 Carbon Monoxide Nitric Acid, 10% Sulfurous Acid, 5%  
 Carbonic Acid Nitrogen Dioxide Gas Tannic Acid, 10%  
 Chlorine-base Cleaners (Clorox) Oleic Acid Tartaric Acid, 50%  
 Cinnamon, Onions Olive Oil Transmission Fluid  
 Citric Acid, 10% Oxalic Acid, 100% Tripropylene Glycol  
 Cooking Oil Oxygen Vegetable Oils  
 Cottonseed Oil Paraffin, Medicinal Vinegar  
 Cyclohexane Phosphoric Acid, 30% Water, Mineral Water  
 Diethylene Glycol Photographic Baths Wax Polish  
 Epoxy Adhesives Polishing Compounds Wine  
 Ethyl Alcohol, 15% Potassium Bromate Zinc Sulfate  
 Ethylene Glycol E Potassium Bromide  
 Fatty Acids @ 25°C Potassium Chlorate  
 Ferric Chloride, Aqueous, 10% Potassium Dichromate, 10%  
 Formaldehyde, Aqueous, 40% Potassium Permanganate  
 Fruit Juice Potassium Sulfate  
 Glycerol, Glycerine Power Steering Fluid  
 Heptane Propylene  
 Hexane @ 25°C Salicylic Acid @ 25°C

### NOT SATISFACTORY:

Acetaldehyde, 100% Chromic Acid Methylene Dichloride  
 Acetates Clove Oil Mineral Oil @ 40°C+  
 Acetic Acid, Glacial, 100% Cosmoline Removers Mineral Spirits  
 Acetic Anhydride Cresol Nail Polish  
 Acetone Cutting Fluids and Oils Naphtha (Petroleum Ether)  
 Acetonitrile Cyclohexanone Naphthenic Acids  
 Acetophenone Cyclohexene n-butyric Acid, 100%  
 Alcohol, Allyl Diamyl Phthalate Nitric Acid, 25%+  
 Alcohol, Amyl Dibutyl Sebacate Nitrobenzene  
 Alcohol, Benzyl Diethyl Ether n-Octane  
 Alcohol, Ethyl (Ethanol), 50% Dimethyl Formamide Oleum  
 Alcohol, Isopropyl, 100% Dioctyl Sebacate Paint Removers  
 Alcohol, Methyl (Methanol), 50% Dioxane Paint Thinner  
 Aluminum Hydroxide Ether Perchloroethylene  
 Amines Ethyl Acetate Phenols  
 Ammonia Ethyl Alcohol, Concentrated Phenol, Aqueous, 5%  
 Ammonium Hydroxide Ethyl Bromide \_ Phthalates  
 Amyl Acetate Ethyl Butyrate Potassium Hydroxide (Potash)  
 Aniline Ethylene Bromide Propane  
 Aromatic Hydrocarbons Ethylene Dibromide Pyridine  
 Aviation Fuel Ethylene Oxide Sodium Hydroxide  
 Benzaldehyde Freon Sodium Hypochlorite, 30%  
 Benzene Fuels w/ Benzene (Gasoline) Sodium Nitrate  
 Benzoic Aldehyde Glass Cleaners Sodium Sulfide  
 Brake Fluid Hydrochloric Acid, 25%+ \_ Sulfoxides  
 Bromine Hydrofluoric Acid Sulfur Dioxide  
 Butadiene Hydrogen Peroxide, 40%+ Sulfuric Acid, 70%+  
 Butane Isoctane Sulfurous Acid  
 Butyl Acetyl Ricinoleate Kerosene Tea  
 Butyl Stearate \_ Ketones Tincture of Iodine, 5%  
 Calcium Hypochlorite Lacquer Thinner Toluene  
 Carboic Acid Lactic Acid Butyl Ester Transformer Oil  
 Carbon Disulfide Meta-Cresol Trichloroacetic Acid  
 Carbon Tetrachloride Methyl Benzoate Trichloroethane  
 Cellulose Paints Methyl Chloride Trichloroethylene  
 Chlorinated Hydrocarbons Methyl Cyclohexanol Triethanolamine  
 Chlorinated Solvents Methyl Ethyl Ketone Turpentine  
 Chlorine Methyl Naphthalene Urea  
 Chlorophenol Methyl Salicylate Xylene  
 Diacetone Alcohol MethylaminE