

Illuminator Polycarbonate Overhead Door
Provided By
Ultimate Supplies, LLC
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10'2" x 10' Door shown

Illuminator U-Series Rust Proof Model

Aluminum Sectional Polycarbonate Overhead Door

Maximum size limits: Width 24'2", Height 18'0"

Models Available: IHD1010 (10'2" wide by 10' high)
IHD1008 (10'2" wide by 8' high)
IHD1210 (12'2" wide by 10' high)
IHD1212 (12'2" wide by 12' high)
IHD1410 (14'2" wide by 10' high)
IHD1641 (16'2" wide by 10' high)
Other sizes are available per need.

Suggested Uses: Automobile Dealerships, Car Washes, Manufacturing plants, Truck Service facilities, Auto service facilities, Fire stations, Greenhouses

Introduction

Illuminator doors are built to withstand harsh environments. These doors are constructed of tough, shatterproof polycarbonate in a frame of heavy-duty, reinforced aluminum. The doors are designed with materials and accessories that will reduce or eliminate rust in corrosive or wet environments.

Specifications

Polycarbonate sectional upward acting doors shall be Ultimate Supplies, LC. U-Series Rust-Proof model doors of sizes shown on plans and shall embody the following particulars:

Rails and Stiles: Joined together by stainless steel screws. Aluminum alloy 6063-T6. Door thickness 2", Center stile 3" wide & .090" thick, Bottom & Top Rail 1.125 inch wide & .080" thick, Side rails 3" wide & .090" thick

Finish: Mill Finish aluminum.

Panels: Mill finish aluminum frame with 16mm five-wall polycarbonate panel. Top and bottom aluminum extrusions have beveled design to facilitate moisture removal. Aluminum finish on frame can be powder-coated to any particular color scheme.

Polycarbonate: 16mm five-walled polycarbonate with outside layer having co-extruded UV protection.

Perimeter Seal: White Vinyl

Bottom Weather Seal: EPDM (Ethylene Propylene Diene Monomer) Rubber ribbed astragal.

Track: Galvanized 3" reverse angle mounted

Hardware: HDPE (High Density Polyethylene) hinges w/ top & bottom fixtures to be 303 stainless steel & HDPE

Rollers: Ultimate brand – 6.5" 304 Stainless Steel stem bearingless roller with roller constructed of HDPE

Bearings: Constructed of UHMW (Ultra High Molecular Weight) Polymer. Material will not rust. Anodized Stainless Steel Sealed Zerk Bearings are available as options.

Shaft: Continuous keyed 6061-T6 .998" solid aluminum. Galvanized shaft used with galvanized spring. Stainless Steel keyed shafts are also available.

Counter Balance: 500,000 cycle counterweight system using Kevlar reinforced Belt. Belt is attached to the wall by a stainless steel and aluminum bracket and is attached to the shaft by means of an 8.5” aluminum spool w/ stainless steel fasteners. Interlocking weights are used.

Locking Device: Interior galvanized slide bolt. Available upon request.

Door Pick-UP Spool: 6.5” diameter Aluminum Spool. Uses Kevlar reinforced polyurethane belt. Eliminates door cables and supports doors while preventing operational failures due to the common cables jumping problems.

1. PRODUCT NAME

Illuminator U-Series Rust Proof Overhead Sectional Door

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

Ultimate Supplies, LLC. Illuminator U-Series Rust Proof Overhead Sectional Doors are designed for many commercial and industrial applications. This door is designed for wet and corrosive environments as well as high usage commercial applications. This door provides high light transmission and visibility. Common uses of the Illuminator are: Automobile dealerships, Fire departments, warehouses, truck terminals, municipal buildings, maintenance garages, water treatment plants, parking garages and airport facilities.

Specification for the Ultimate Air Operator

Easy Maintenance Air Powered Operators. These operators will open and close our Illuminator Polycarbonate doors in six to ten seconds pending the size of the doors. Common sized operators are 8’, 10’ and 12’ Operators. Model ULT08, ULT10 and ULT12, respectively. Easy Maintenance Operators are constructed out of all aluminum and stainless components.

A. Cylinders

Cylinders to be 2 ½" O.D. anodized inside and outside: Operator is permanently lubed and requires no oil

B. Drive Mechanism

Exclusive custom made waterproof chain recommended for wet environment. Nickel plated #41 chains and steel reinforced belts are available as options.

C. Top Cap

Anodized aluminum with HDPE Quick Release seal retainer

D. Bottom Cap

Anodized aluminum w/ remote adjustable metering valve

E. Aluminum Clamps

Anodized aluminum w/ Stainless Steel fasteners

F. Mounting Brackets

Stainless Steel

G. Air Lines

3/8" polyflow air line from compressor to operator (60-90 PSI)

H. Drive mechanism

#41 Waterproof and Nickel Chains. Optional steel reinforced operator belt available.

I. Air Filter Regulator

J. Air line dryer

K. Air usage: Operator uses .4 cubic feet of air to open and close. Air Compressor supplied by others.

Control Boxes for the Operator

Control Box to be UL approved. Box will be pneumatic (DC6000L) that will allow The door to be opened and closed without electrical power (provided there is air in the compressor). The control box will also interface with car wash equipment. Box requires 110V (plug in) 1 amp