

CERTIFICATE OF COMPLIANCE

Certificate Number 20141129-E472388
Report Reference E472388-20141126
Issue Date 2014-NOVEMBER-29

Issued to: SKYCO SKYLIGHTS
2995 Airway Ave Ste B
Costa Mesa CA 92626

This is to certify that ROOF VENTS, AUTOMATICALLY OPERATED
representative samples of For Models/Product Refer To Addendum Page

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 793 Standard for Automatically Operated Roof Vents for
Smoke and Heat,
ULC/ORD-C793 Standard for Guide for the Investigation of
Automatically Operated Smoke and Heat Roof Vents.

Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please
contact a local UL Customer Service Representative at www.ul.com/contactus



CERTIFICATE OF COMPLIANCE

Certificate Number 20141129-E472388
Report Reference E472388-20141126
Issue Date 2014-NOVEMBER-29

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Models/Product

Automatically operated heat and smoke roof vents designated: 48X96, 48X48, 48X72, 60X72 followed by S or A, followed by ULSV followed by CM or SF followed by P or S.

Models covered in this report include:

STEEL FRAME-CURB MOUNT-PLASTIC GLAZED:48 X 96 -S-ULSV-CM-P,
48 X 48-S-ULSV-CM-P,48 X 72-S-ULSV-CM-P,60 X 72-S-ULSV-CM-P
STEEL FRAME-SELF FLASHED-PLASTIC GLAZED:48 X 96 -S-ULSV-SF-P
48 X 48-S-ULSV-SF-P,48 X 72-S-ULSV-SF-P,60 X 72-S-ULSV-SF-P
ALUMINUM FRAME-CURB MOUNT-PLASTIC GLAZED:
48 X 96-A-ULSV-CM-P,48 X 48-A-ULSV-CM-P,48 X 72-A-ULSV-CM-P,
60 X 72-A-ULSV-CM-P
ALUMINUM FRAME-SELF FLASHED-PLASTIC GLAZED:
48 X 96-A-ULSV-SF-P,48 X 48-A-ULSV-SF-P,48 X 72-A-ULSV-SF-P,
60 X 72-A-ULSV-SF-P



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contactus



File E472388
Project 4786642399

November 26, 2014

REPORT

On

ROOF VENTS, AUTOMATICALLY OPERATED

Skyco Skylights
Costa Mesa, CA

Copyright © 2014 UL LLC.

Underwriters Laboratories Inc. authorizes the above named company to reproduce this Report provided it is reproduced in its entirety.

DESCRIPTION

PRODUCT COVERED:

USL/CNL - Automatically operated heat and smoke roof vents designated: 48X96, 48X48, 48X72, 60X72 followed by S or A, followed by ULSV followed by CM or SF followed by P or S.

Models covered in this report include:

STEEL FRAME-CURB MOUNT-PLASTIC GLAZED: 48 X 96 -S-ULSV-CM-P,
48 X 48-S-ULSV-CM-P, 48 X 72-S-ULSV-CM-P, 60 X 72-S-ULSV-CM-P
STEEL FRAME-SELF FLASHED-PLASTIC GLAZED: 48 X 96 -S-ULSV-SF-P
48 X 48-S-ULSV-SF-P, 48 X 72-S-ULSV-SF-P, 60 X 72-S-ULSV-SF-P
ALUMINUM FRAME-CURB MOUNT-PLASTIC GLAZED:
48 X 96-A-ULSV-CM-P, 48 X 48-A-ULSV-CM-P, 48 X 72-A-ULSV-CM-P,
60 X 72-A-ULSV-CM-P
ALUMINUM FRAME-SELF FLASHED-PLASTIC GLAZED:
48 X 96-A-ULSV-SF-P, 48 X 48-A-ULSV-SF-P, 48 X 72-A-ULSV-SF-P,
60 X 72-A-ULSV-SF-P

FINISHED PRODUCT:

GENERAL

The units consist essentially of the following: Frame, sill, and two doors with plastic domes, see ILLs 1 and 2 for details

The units are intended to relieve heat and smoke upward through the roof by action of the doors opening.

Features include:

- UL LISTED FUSIBLE LINKS WITH RATINGS FROM 160 DEG F TO 520 DEG-F INCLUDING RESETTABLE AND ELECTRO-THERMAL
- MANUAL RELEASE EITHER INSIDE, OUTSIDE OR BOTH
- (Optional) LOUVERED BASE AVAILABLE FOR ALL CURB MOUNT STYLES ONLY

- The opening mechanism is gas springs/shocks
- The same mechanism will be applied to all products
- Polycarbonate glazing will be the plastic glazing material.

INSTALLATION INSTRUCTIONS:

Installation and maintenance instructions are to accompany each unit. See ILL 5ILLs 6 and 7 are typical installation drawings.

MODEL NOMENCLATURE:

MODEL DESIGNATION CONVENTION

$$\frac{48 \text{ X } 48}{1} - \frac{S}{2} - \frac{ULSV}{3} - \frac{CM}{4} - \frac{P}{5}$$

1 - SIZE	2 - FRAME	3 - PRODUCT MODEL	4 - MOUNTING DESIGN	5 - COVER MATERIAL
48 X 96	S (STEEL)	ULSV	CM (CURB MOUNT)	P (POLYCARBONATE)
48 X 48	A (ALUMINUM)		SF (SELF FLASHED)	S (STEEL)
48 X 72				
60 X 72				

MARKING:

In addition to the Listing Mark and other applicable items described on the Listing Mark Data Page of this Procedure. Markings may be applied on an etched/engraved plate, stamped plate, or R/C (PGDQ2/8) label material rated for application to aluminum and for outdoor exposure.

Each unit shall be marked with the manufacturer's name or identifying symbol, model designation, date code, and the roof deck rating (+).

Each unit shall also be marked with the word "CAUTION" with the following or equivalent wording "Automatically Operated Vent. Risk of Injury. Do not place anything on top of this device."

(+) The roof class is 90.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

USL indicates investigation to the Standard UL 793, the Standard for Automatically Operated Roof Vents for Smoke and Heat. CNL indicates investigation to Canadian National Standard ULC/ORD-C793, the Guide for the Investigation of Automatically Operated Smoke and Heat Roof Vents.

Models 96X48 shown - Figure 1

General - The units are assembled in the manner and with the parts described herein. The final assembly and individual part drawings of these units are shown in ILLs. 1, 2 for assembly drawings. Representative of all constructions except for overall dimensions.

1. Frame - Constructed of aluminum, G90 steel, or stainless steel.
2. Sill - Functions to retain the polymeric domes. Constructed from extruded aluminum.
3. Vortex rain shield curb mount(Optional) - See ILL 3
4. Dome - Constructed as shown in ILL. 1 or 2. Materials are (QMFZ2) Palram Industries Ltd(E221255) The material has a base layer that has the minimum thickness specified below. The base layer may be clear or white. The outer cladding is clear and is applied in a thickness range of 25-30 microns.

<u>Material</u>	<u>Minimum Thickness mm(in.)</u>
Palsun SG	3 (0.12)

Alternate - Same as above except material is Bayer (E351891) Makrolon SL White. Rated (f1) for outdoor use, 3 mm thick.

5. Thermal Linkage assembly - Consists of steel cabling and a fusible link as shown in ILLs 1 and 2. Fusible link is any Listed (JGIX/7) linkage rated from 160 through 5208F max.
6. Lifting shock - See Ill 4. Manufactured by AVM industries P9627, minimum extension time rated 3.1 sec +/- 0.5 sec; approx. 225 lbs - 277 lbs force.