



LISTING INFORMATION OF Air Louvers Light Kits

SPEC ID: 27733

Air Louvers, Inc.
6285 Randolph St.
Commerce, CA 90040

See Page 4 for VLFIGHRC-F Rating

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

Light Frame for use in Wood, Composite & Steel Doors with labeled 1/4" wired Glass or Firelite®.

Model Nos.	Max. Area	Max. Width	Max. Height	Glazing	Rating
VLF-EX*	1296**	36"	54"	***	20/45 Minute
VLF-EZ*	100	10"	20"	***	60/90 Minute
SLIMLINE*	1296**	36"	54"	***	20/40 Minute
SLIMLINE*	100	10"	20"	***	60/90 Minute

*Manufacturer's Designation

**For 20 minute rating, Light Kit must be used with Pemko FGS-4590 Glazing Tape.

***FR 1/4" wired glass or Firelite®.

VL3000 Light Frame certified for use in indicated sizes (sq.in.) in Wood, Wood Composite and Steel Fire Doors. Using lights exceeding 100 sq.in. voids the temperature rise rating of the door. The VL3000 light frame must be used with labeled Pilkington 1/4" thick wired glass and labeled Pemko FG3000 glazing compound to achieve the maximum sizes.

Rating	Door Construction	Max. Size of Individual Light (in ²)	Max. Size of Multiple Lights (in ²)
45*	Wood Composite	960	1920
	Steel	1008	2208
60*	Wood Composite	960	1920
90*	Steel	552	2208

*Most Building Code Limits Glass Areas to 1,296 sq.in. for 45 minute locations and 100 sq.in. for 60 & 90 minute locations. Check with Local Codes before specifying or ordering.

Light Frame Labeled for use in Flush type 20 minute Wood Doors (No Hose Stream).

Model	Maximum			Glazing	Rating
	Area	Width	Height		

Slimline*	1296 sq.in.	24"	54"	FR 1/4" Wire Glass**	20 Minute (No Hose Stream) 45 Minute 60 Minute 90 Minute
	1296 sq.in.	24"	54"	FR 1/4" Wire Glass***	
	100 sq.in.	10"	33.3"	FR 1/4" Wire Glass***	
	100 sq.in.	10"	33.3"	FR 1/4" Wire Glass***	
	100 sq.in.			FR 1/4" Wire Glass***	

*Manufacturer's Designation

**Light Kit must be used with Zero International FS2002 Glazing Tape & FS3003 Intumet Strip.

***Light Kit must be used with Pemko HSS2000 glazing system.

Light Frames certified in the indicated sized (sq.in.) in Wood or Plastic-Faced, Composite Fire Doors or Steel Fire Door Listings for UBC-7-2-97 Positive Pressure.

DOOR LIGHT FRAMES							
RATING	*20	**45	**60	**90	WOOD	COMPOSITE	STEEL
SLIMLINE	1,296	1,296	100	100	X	X	X
VLF - EZ	1,296	1,296	100	100	X	X	X
VLF-EZ-1G-20	2,792	0	0	0	X	0	0
VLF-EZ-1G-20	2,647	0	0	0	0	0	X
VLF	1,296	1,296	100	100	X	X	X
VLF-R-12	95	95	95	95	X	X	X
VLF-R-18	227	0	0	0	X	0	0
VLF-R-24	4150	0	0	0	X	0	0
VLF-R1	1,296	1,296	100	100	X	X	X
VLF-RC	1,296	0	0	0	X	0	0
VLF-RD-18	1,296	0	0	0	X	0	X
VLF-RD-20	1,296	0	0	0	X	X	X
VLF-G	1,296	0	0	0	X	0	X
VLF-1G-G	1,296	0	100	100	X	X	X
VLF-EZ-G	1,296	1,296	100	100	X	X	X

VLF-EZ-1G-20G	2,792	0	0	0	X	0	0
VLF-EZ-1G-20G	2,647	0	0	0	0	0	X
VLF-1G	1,296	1,296	100	100	X	X	X
VLF-IG HRC-F****	1,296	1296	100	100	X	X	X
VLF CUSTOM	1,296	0	100	100	X	0	X
VL-3000***	2,856	0	0	0	X	0	0
VL-3000***	0	2,208	0	0	0	0	X
VL-3000***	0	0	0	552	0	X	0
VL-3000***	0	0	0	2,208	0	0	X

*For 20 minute combustible core wood doors, a strip of FGS4590 3/8" x 3/64 intumescent tape to be installed under the glass retainer on MLF-EZ and Slimline. For MLF Series install FGS4590 3/8" x 3/64 Intumescent Tape around perimeter of glass.

**For 45, 60, 90 minute doors no glazing tape, putty or intumescent tape required.

***VL 3000 Light Frame certified for use in indicated sizes (sq.in.) in Wood, Wood Composite, and Steel Fire Doors, Multiple Lites allowed. Using lights exceeding 100 sq.in. voids the temperature rise rating of the door. The ML 3000 light frame must be used with labeled approved 1/4" thick wired glass and labeled Pemko FG 3000 glazing compound to achieve the maximum sizes.

Most Building code Limits Glass Areas to 1,296 sq.in. for 45 minute locations & 100 sq.in. for 60, 90 minute locations. Check with Local Codes before specifying or ordering.

****closed cell EPDM foam glazing tape (nominal 1/2" wide by 1/8" thick) with the Air Louvers VLFIGHRC-F Metal Vision Kit will not negatively affect the fire resistance rating of the assembly provided that Intertek listed fire rated Safti First SuperLite II-XL glazing is used with the Air Louvers metal vision kit

Light Frames certified in the indicated sizes (sq.in.) in Wood composite Fire Doors or Steel Fire Door Listings for UBC-7-2-97 Positive Pressure.

DOOR LIGHT FRAMES							
RATING	*20	**45	**60	**90	WOOD	COMPOSITE	STEEL

SLIMLINE	1,296	1,296	100	100	X	X	X
VLF - EZ	1,296	1,296	100	100	X	X	X
VLF-EZ-1G-20****	1,296	0	0	0	X	0	0
VLF-EZ-1G-20****	1,296	0	0	0	0	0	X
VLF	1,296	1,296	100	100	X	X	X
VLF-R-12	95	95	95	95	X	X	X
VLF-R-18	227	0	0	0	X	0	X
VLF-R-24	415	0	0	0	X	0	X
VLF-R1	1,296	1,296	100	100	X	X	0
VLF-RC	1,296	1,296	100	100	X	0	0
VLF-RD-18	1,296	0	0	0	X	0	X
VLF-RD-20	1,296	0	0	0	X	X	X
VLF-G	1,296	1,296	100	100	X	0	X
VLF-1G-G****	1,296	0	0	0	X	X	X
VLF-EZ-G	1,296	1,296	100	100	X	X	X
VLF-EZ-1G-20G****	1,296	0	0	0	X	0	X
VLF-1G*****	1,296	0	0	0	X	0	X
VLF CUSTOM	1,296	1,296	100	100	X	0	X
VL-3000***	2,856	0	0	0	X	0	0
VL-3000***	0	2,208	0	0	0	0	X
VL-3000***	0	1,920	1,920	552	0	X	0
VL-3000***	0	0	0	2,208	0	0	X
VLF S10	1,296	1,296	100	100	X	X	X
VLF-SG	1,296	1,296	100	100	X	X	X
VLF-PO	4	4	4	4	X	X	X

*For 20 minute combustible core wood doors, a strip of FGS4500 3/8" x 3/64" intumescent tape to be installed under the glass retainer of VLF-EZ and Slimline. For VLF Series install FGS4500 3/8" x 3/64" Intumescent Tape along perimeter of glass,

**For 45, 60, 90 minute doors no glazing tape, putty or intumescent tape required.

***VL 3000 Light Frame certified for use in indicated sizes (sq.in.) in Wood, Wood Composite, and Steel Fire Doors, Multiple Lites allowed. Using lights exceeding 100 sq.in. voids the temperature rise rating of the door. The VL 3000 light frame must be used with labeled approved 1/4" thick wired glass and labeled Pemko FG3000 glazing compound to achieve the maximum sizes.

***For use with 2-1/4" thick doors.

****For use with Superlite I 20 minute listed clear glass.

Most Building code Limits Glass Areas to 1296 sq.in. for 45 minute locations and 100 sq.in. for 60, 90 minute locations. Check with Local Codes before specifying or ordering.

Testing Standards: UBC-7-2-97/UL-10C (Positive Pressure)

<u>Attribute</u>	<u>Value</u>
Criteria	UL 10(c) (R2001)
Criteria	UBC 7-2 (1997) Part II
Criteria	UL 10(c) (2009)
CSI Code	08 11 00 Metal Doors and Frames
Intertek Services	Certification
Listed or Inspected	LISTED
Listing Section	CATEGORY F - LIGHT KITS
Report Number	102322420
Spec ID	27733
Verification Testing	No