

Equivalency Evaluation Report

Product Manufacturer

Natural Light Energy Systems, dba Kennedy Skylights
5294 Tower Way
Sanford, FL 32773

Product Series, Model and/or Description

Curb Mounted and Self-Flashing Polycarbonate Skylights, Non-Impact and Impact

Code: Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code

Compliance Method: Product Approval Rule 61G20-3.015(4)(d) – Equivalency of Standards

Product Testing, Materials and Certification:

- Performance Testing Standards used for this product approval:
 - TAS 201-94 - Impact Test Procedures
 - TAS 202-94 - Criteria for Testing Impact; Non-impact Resistant Building Envelope Components Using Uniform Static Air Pressure
 - TAS 203-94 - Criteria for Testing Products Subject to Cyclic Wind Pressure Loading
 - AAMA/WDMA 1600/I.S.7-00, Voluntary Specification for Skylights
- Test Reports
 - NCTL-210-3992-01, dated 1/7/15, signed and sealed by Gerald J. Ferrara, P.E., testing to TAS 201/202/203 for "HCMA" Curb Mounted Polycarbonate Skylight
 - NCTL-210-3042-2,3, dated 8/20/04, signed and sealed by Gerald J. Ferrara, P.E., testing to AAMA/WDMA 1600/I.S.7-00 for "CM" Curb Mounted Polycarbonate Skylight
 - NCTL-210-3042-1, dated 8/20/04, signed and sealed by Gerald J. Ferrara, P.E., testing to AAMA/WDMA 1600/I.S.7-00 for "SF" Curb Mounted Self-Flashing Polycarbonate Skylight
- Material Certifications/Component Approvals:
 - Glazed using Palram Americas, Inc., Corrugated and Flat Polycarbonate Panels. Current Palram Americas NOA can be found [here](#).

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PERFORMANCE TESTING

The following table shows the performance standards used in testing and those in the current edition of the FBC.

Standard Used in Testing		Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code		Comments
Description	Revision Level	Building Volume (FBC)	Residential Volume (FRC)	
TAS 201	94	94	94	See Evaluation Below
TAS 202	94	94	94	
TAS 203	94	94	94	
AAMA/WDMA 1600/I.S.7	2000	AAMA/CSA/WDMA 101/I.S. 2/A440-08, 11 and 17	AAMA/CSA/WDMA 101/I.S. 2/A440-08, 11 and 17	



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TAS 201, TAS 202 & TAS 203: It has been concluded that no material or substantive revisions or changes to these referenced standards have occurred (where applicable) that affect the results of design, testing or engineering of the approved product(s).

AAMA/WDMA 1600/I.S.7-00, Voluntary Specification for Skylights is a voluntary standard and is not listed in the 8th Edition (2023) Florida Building Code.

AAMA/WDMA 1600/I.S.7-00 was issued when the current AAMA performance standard in use was AAMA/NWWDA 101/I.S.2-97. As AAMA/NWWDA 101/I.S.2-97 did not cover skylights, AAMA/WDMA 1600/I.S.7-00 was developed to fill that gap. AAMA standard development progressed to AAMA/WDMA 101/I.S.2/NAFS- 02 which incorporated AAMA/WDMA 1600/I.S.7-00. AAMA/WDMA 101/I.S.2/NAFS- 02 was superseded by AAMA/WDMA/ CSA 101/I.S.2/ A440-05, then 08, then 11 to the current 17 recognized in the 2023 FBC.

This is detailed in Annex D of AAMA/WDMA/ CSA 101/I.S.2/ A440-17 shown below.

Annex D (informative) **Standards progression — Windows, doors and unit skylights**

Note: This Annex is not a mandatory part of this Standard/Specification.

Standards progression — Windows, doors and unit skylights

Category/ Topic	AAMA/NWWDA 101/I.S.2-97 (Windows and Glass Doors) AAMA/WDMA 1600/I.S.7-2000 (Skylights) [Separate ANSI Standards]	AAMA/WDMA 101/I.S.2/NAFS- 02 (Windows, Glass Doors & Skylights) [Combined ANSI Standard]	AAMA/WDMA/ CSA 101/I.S.2/ A440-05 (Windows, Doors & Skylights) [CSA format]	AAMA/WDMA/ CSA 101/I.S.2/ A440-08 (Windows, Doors & Skylights) [CSA format]	AAMA/WDMA/ CSA 101/I.S.2/ A440-11 (Windows, Doors & Skylights) [CSA format]
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Product Approval Rule 61G20-3.015(2)(a) states AAMA/CSA/WDMA 101/I.S. 2/A440-05 is equivalent to AAMA/WDMA/101/I.S./NAFS-02 and AAMA/WDMA 1600/I.S. 7-00 for skylights only. AAMA/CSA/WDMA 101/I.S. 2/A440-05 is no longer referenced in Chapter 35 of the 8th Edition of the Florida Building Code.

However, as shown in the Annex D table of AAMA/WDMA/ CSA 101/I.S.2/ A440-17, AAMA/CSA/WDMA 101/I.S. 2/A440-05 is equivalent to AAMA/CSA/WDMA 101/I.S. 2/A440-08 with regard to skylights. AAMA/CSA/WDMA 101/I.S. 2/A440-08 is found in Chapter 35 of the 8th Edition of the Florida Building Code and Chapter 46 of the 8th Edition of the Florida Residential Code.

Therefore, the testing requirements of AAMA/CSA/WDMA 101/I.S. 2/A440-08, 11 and 17 have been met, thereby meeting the requirements of the 8th Edition of the Florida Building Code and the 8th Edition of the Florida Residential Code.

MATERIALS TESTING

Palram Americas, Inc., Corrugated and Flat Polycarbonate Panels material properties per current Miami-Dade Notice of Acceptance (NOA) were reviewed for conformance to the current edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code and found to be acceptable. Current Palram Americas NOA can be found [here](#).



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Certificate of Independence per Product Approval Rule 61G20-3.009

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