

DECLARATION OF PERFORMANCE

1. Unique identification code of the product type:

Brighten Up Series – Solatube 160DS Tubular Daylighting System
Brighten Up Series – Solatube 290DS Tubular Daylighting System
SolaMaster Series – Solatube 330DS Tubular Daylighting System
SolaMaster Series – Solatube 750DS Tubular Daylighting System
SkyVault Series – Solatube M74DS Tubular Daylighting System

2. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

The Skylights are intended to transmit natural daylight into rooms traversing through both warm and cold roof spaces.

3. Name, registered trade name or registered trademark and contact address of the manufacturer as required pursuant to Article 11(5):

Solatube International, Inc., 2210 Oak Ridge Way, Vista, California 92081-8341, USA

www.solatube.com

www.solatube.eu

4. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

Not applicable

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V to Regulation (EU) No 305/2011 is as follows:

AOC decision number 1998/436/EC

The system is: 3

6. In case of a Declaration of Performance concerning a construction product covered by a harmonized standard **CUAP 04.02/34**:

i. The British Board of Agrément, designated according to Article 29 of Regulation (EU) No 305/2011 and member of EOTA performed certification of the following essential characteristics: **Reaction to fire, Resistance to fire, External fire performance of roofs, Watertightness, Content emission and/or release of dangerous substances, Upwards and downwards load resistance, Resistance to impact, Direct airborne sound insulation, Air permeability, Solar energy transmittance, Light transmittance, Light properties, Thermal transmittance of assembled system, Thermal transmittance of light diffuser, Loss of light due to bending, Durability and long term effects** under system 3 and issued European Technical Approval (ETA - 13/0764) on the basis of evaluation report of 20th of April 2015.

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7. Declared performance:

Safety in case of fire (BWR 2)

Characteristic	Method	Classification
Reaction to Fire	EN 13501-1	Light collector (polycarbonate) = C-s3, d0 Light collector (acrylic) = NPD Light pipe = NPD Optiview diffuser (polycarbonate) = B-s1, d0 Natural lens (PET) = B-s1, d0 Prismatic diffuser (polycarbonate) = B-s2, d0 Prismatic diffuser (acrylic) = E
Resistance to fire	EN 13501-2	Light collector — NPD Light diffuser — NPD Light pipe — NPD
External Fire Performance of roofs	EN 13501-5	Light collector (polycarbonate) = B _{ROOF} (t4) Light collector (acrylic) = NPD

Health, hygiene and the environment (BWR 3)

Characteristic	Method	Classification
Watertightness — Flat roofs — Sloped roofs	EN 1873 EN 14351-1	No Leakage Occurred NPD
Content, emission and/or release of dangerous substances ⁽¹⁾	Classified to EN 13501-2	NPD

⁽¹⁾ The manufacturer has made a declaration that the products do not contain any dangerous substances.

Safety and accessibility in use (BWR 4)

Characteristic	Method	Classification
Upward Load — Flat roofs — Sloped roofs	EN 1873 EN 14351-1	UL 3352 NPD
Downward Load — Flat roofs — Sloped roofs	EN 1873 EN 14351-1	DL 7182 NPD
Resistance to impact	EN 1873	(polycarbonate) SB 1350 (acrylic) SB 1350

Protection against noise (BWR 5)

Characteristic	Method	Classification
Airborne sound insulation	EN ISO 717-1	160DS: D _{n,e,w} (C;C _{tr}) = 64(-1;-5) dB 290DS: D _{n,e,w} (C;C _{tr}) = 62(-2;-4) dB 330DS-O: D _{n,e,w} (C;C _{tr}) = 53(0;-2) dB 330DS-C*: D _{n,e,w} (C;C _{tr}) = 48(0;-1) dB 750DS-O: D _{n,e,w} (C;C _{tr}) = 58(-1;-5) dB 750DS-C*: D _{n,e,w} (C;C _{tr}) = 52(-1;-2) dB Sky Vault M74DS = NPD

* Fitted with transition box.

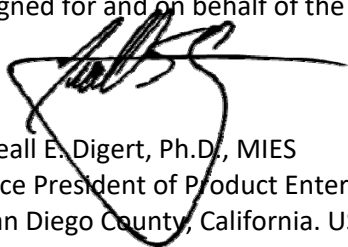
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Energy economy and heat retention (BWR 6)

Characteristic	Method	Classification
Air permeability — Flat roofs — Sloped roofs	EN 1873, clause 5.8 EN 14351-1	NPD NPD
Solar energy transmittance	EAD, clause 2.2.10	160DS: g-value = 0.61 290DS: g-value = 0.62 330DS: g-value = 0.58 750DS: g-value = 0.46 Sky Vault M74DS = NPD
Light transmittance of the assembled system	CIE 173, Section 3	160DS: NPD 290DS: NPD 330DS: NPD 750DS: NPD Sky Vault M74DS: NPD
Light properties of the light collector, light pipe and light diffuser	EN 410	NPD
Thermal transmittance of the assembled system	French Règles Th-Bât, Fascicule 3/5, § 2.2.7	NPD
Thermal transmittance of the light diffuser	EN 673, EN ISO 10077-1 and EN ISO 10077-2	NPD
Loss in light due to bending of the light pipe	CIE 173, Section 3	NPD
Durability	EAD, clause 2.2.16	NPD

8. Where pursuant to Article 37 or 38 the Specific Technical Documentation has been used, the requirements with which the product complies:

Not applicable

Signed for and on behalf of the manufacturer by:



Neall E. Digert, Ph.D., MIES
 Vice President of Product Enterprise
 San Diego County, California. USA - April 26th 2017



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