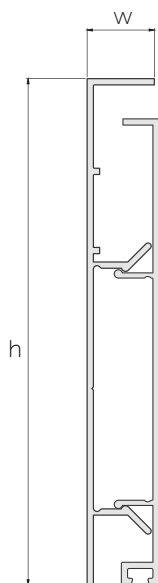


<b>Manufacturer</b>	Mox Profile Systems
<b>Product Name</b>	Luceo
<b>Product Description</b>	Aluminium LED skirting board
<b>Product No</b>	16808-16774
<b>Document Title</b>	Design and quality of Luceo

Luceo aluminium LED skirting board is mostly preferred in exclusive projects through its decorative lighting feature. It can also be used as a guiding light in dark places. In addition to its illumination feature, it also covers the defects in floor and wall joints. It prevents dirt accumulation and harmful organisms to provide hygienic and healthy use for many years. With the hollow area in its design, it collects the telephone, electricity and internet cables to organize your environment. It is extremely durable and long-lasting since it is produced from high quality raw material and has thick walls. Unlike its competitors, it stands out with its coating thickness and quality of anodizing, and with its pretreatment application that provides resistance to corrosion in electrostatic powder painting. Luceo has a plain and minimal appearance with its slim form. With its built-in or basic application methods, it can be flush to wall or used as a traditional skirting board. Luceo aluminium LED skirting board can be easily installed by fixing the rear profile to the wall with screws and installing the LED strips to the grooves then the driver. Application will be completed by mounting the front cover profile with its snap lock system along with the diffusers. According to the application area, LED strips can be used inside both grooves, top groove or bottom groove separately. For flush with wall application, wood planks, drywall or ceramic platings can be placed on the top of the product. Corners can be assembled by cutting the profile to 45 degrees. Special covers can be used to block the unwanted light in corner edges. It is available in 2700mm length and 100mm height. Luceo aluminium LED skirting board has matte anodized, bright anodized, satin chemical bright anodized and electrostatic powder painting options. While silver, yellow, inox, bronze and black anodized color coatings are available, it can also be painted to the desired RAL code with electrostatic powder painting.



### Warranty

Mox Profile Systems presents to your information that all our aluminium profile materials have been under warranty for 5 years from the date of receipt except for the user errors as listed below:

- Damage caused by impact
- Damage caused by scratching
- Damage caused by abrasive substance or chemical cleaning agents contact
- Damage caused by prolonged contact with water
- Damage caused by exposure to intense temperature
- Damage caused by montage

### Technical Details

Material:	Aluminium
Height:	100.6 mm
Width:	12.9 mm
Length:	2700 mm
Alloy:	EN AW 6463 T6, EN AW 6061 T6
Surface:	Powder Coated, Anodised, Chrome Plated

### Manufacturer Quality Certifications



### Important Note

THIS PRODUCT HAS BEEN DESIGNED BY MOX PROFILE SYSTEMS AT THE REQUEST OF THE CUSTOMER. MOX PROFILE SYSTEMS CANNOT BE HELD RESPONSIBLE FOR ANY INFRINGEMENT OF PATENTS, COPYRIGHTS OR OTHER SUCH CONDITIONS RELATED TO THE DESIGN

**ALLOY DATA SHEET**  
**EN AW 6463 ( AlMg0,7Si)**

**Place of Use**

The alloy EN AW-6463 is a widely used extrusion alloy, suitable for applications where only modest strength properties are required. Parts can be produced with a good surface quality, suitable for many coating operations. Typical application fields are furniture, finishing materials, windows and doors, car body finishing, façade construction, lighting columns and flagpoles.

**Chemical composition according to EN573-3** (weight%, remainder Al)

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
0,20-60	Max 0,15	0,2	Max 0,5	045 0,9	-	Max 0,05	Max 0,1	Rest

**Mechanical properties according to EN755-2**

Temper*	Wall Thickness e***	Proof Stress	Tensile Stress	Elongation		Brinell Hardness
				Min	Max	
	e*mm	R <sub>p0.2</sub> min Mpa	R <sub>m</sub> min Mpa	A <sub>50mm</sub> %	A %	HB**
T4	e≤50	75	125	14	12	46
T5	e≤50	150	110	8	6	60
T6	e≤50	195	160	10	8	74

\*Temper designation according to EN515: T4-Naturally aged to a stable condition, T5-cooled from an elevated temperature forming operation and artificially aged, T6-Solution heat treated, quenched and artificially aged.

\*\* Hardness values are for indication only

\*\*\*For different wall thicknesses within one profile, the lowest specified properties shall be considered as valid for the whole profile cross section

**Physical properties** (approximate values, 20°C)

Density	Melting range	Electrical conductivity	Thermal conductivity	Co-efficient of thermal expansion	Modulus of elasticity
[kg/m <sup>3</sup> ]	[°C]	[MS/m]	[W/m.K]	10 <sup>-6</sup> /K	[GPa]
2700	585-650	28-34	200-220	23.4	~70

**Weldability**<sup>1</sup>

Gas: 3 TIG: 2 MIG: 2

Typical filler materials (EN ISO18273): SG-AlMg5Cr(A) or AlSi5, and AlMg3 when the product has to be anodised. Due to the heat input during welding the mechanical properties will be reduced by approximately 50% (ref. EN1999-1).

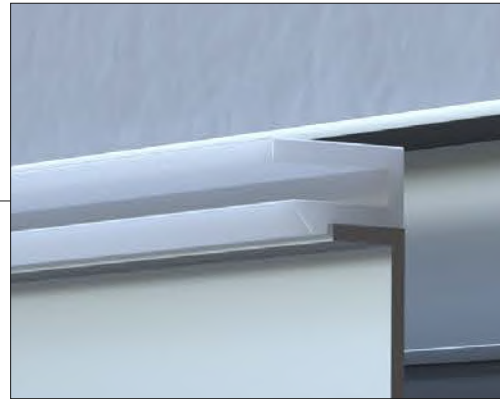
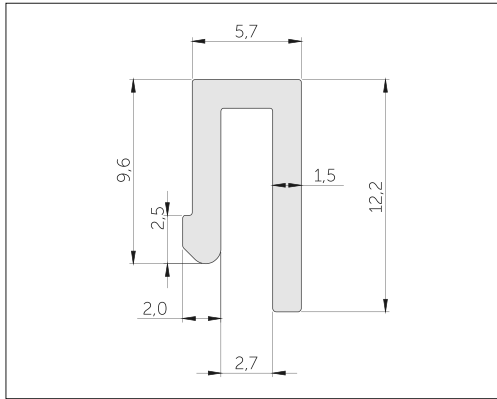
Machining characteristics<sup>1</sup>: T4 Temper 3 / T5 and T6 Temper 2

Coating properties<sup>1</sup> Hard/protective anodising: 1 / Decorative/bright/colour anodising: 2

Corrosion resistance<sup>1</sup> General: 1 Marine: 2

<sup>1</sup>Relative qualification ranging from 1-very good to 6 – unsuitable

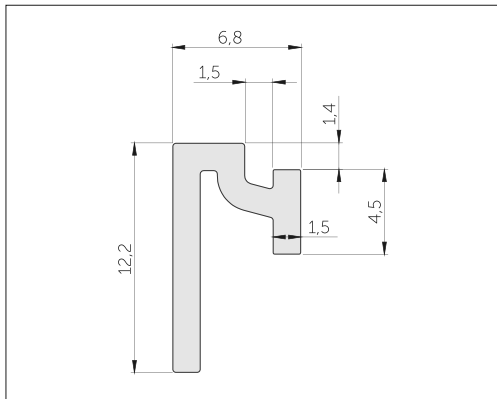
PVC TRANSPARENT LED DIFFUSER STRIP



SAW TOLERANCES							Measuring tape, no angle test	SAW TOLERANCES (INLINE CUT)							Measuring tape, no angle test
< 500	> 500	> 1000	> 1500	> 2000	> 3000	> 4000	> 4500	< 500	> 500	> 1000	> 1500	> 2000	> 3000	> 4000	> 4500
±0.3	±0.5	±1.0	±1.5	±2.0	±3.0	±4.0	±0.1%	±0.5	±0.8	±1.0	±1.5	±2.0	±3.0	±4.0	±0.1%

DIN 16941:2012-11 TOLERANCE SERIES	TOLERANCES OF THE CIRCULAR DIAMETER AND CHAMFER HEIGHTS [MM]							DIN 16941:2012-11 TOLERANCE LINE	4 DISTORTION TOLERANCE TV					
	TO 3	ABOVE 3 UNTIL 6	ABOVE 6 UNTIL 10	ABOVE 10 UNTIL 18	ABOVE 30 UNTIL 50	ABOVE 50 UNTIL 80	ABOVE 50		TO 30	ABOVE 30 TO 60	ABOVE 60 TO 120	ABOVE 120 TO 180	ABOVE 180 TO 250	ABOVE 250
2A AND 2B	±0.5	±20%	±18%	±15%	±15%	±12%	±10%	2A, 3A, 4A	5°	4°	3°30'	3°	2°30'	2°

DIN 16941:2012-11 TOLERANCE SERIES	NOMINAL SIZE RANGE [MM]															
	TOLERANCES OF WALL THICKNESS							TOLERANCES OF LENGTH MEASUREMENTS								
	TO 1.2	ABOVE 1.2 UNTIL 2.5	ABOVE 2.5 UNTIL 4	ABOVE 4 UNTIL 6.5	ABOVE 6.5 UNTIL 10	ABOVE 10	TO 3	ABOVE 3 UNTIL 6	ABOVE 6 UNTIL 10	ABOVE 10 UNTIL 18	ABOVE 18 UNTIL 30	ABOVE 30 UNTIL 50	ABOVE 50 UNTIL 80	ABOVE 80 UNTIL 120	ABOVE 120 UNTIL 250	ABOVE 250 UNTIL 400
2A AND 2B	±0.2	±0.3	±0.4	±0.5	±0.6	±0.8%	±0.3	±0.4	±0.5	±0.6	±0.7	±0.8	±1.0	±1.2	±2.0	±3.0



SAW TOLERANCES							Measuring tape, no angle test	SAW TOLERANCES (INLINE CUT)							Measuring tape, no angle test
< 500	> 500	> 1000	> 1500	> 2000	> 3000	> 4000	> 4500	< 500	> 500	> 1000	> 1500	> 2000	> 3000	> 4000	> 4500
±0.3	±0.5	±1.0	±1.5	±2.0	±3.0	±4.0	±0.1%	±0.5	±0.8	±1.0	±1.5	±2.0	±3.0	±4.0	±0.1%

DIN 16941:2012-11 TOLERANCE SERIES	TOLERANCES OF THE CIRCULAR DIAMETER AND CHAMFER HEIGHTS [MM]							DIN 16941:2012-11 TOLERANCE LINE	4 DISTORTION TOLERANCE TV					
	TO 3	ABOVE 3 UNTIL 6	ABOVE 6 UNTIL 10	ABOVE 10 UNTIL 18	ABOVE 30 UNTIL 50	ABOVE 50 UNTIL 80	ABOVE 50		TO 30	ABOVE 30 TO 60	ABOVE 60 TO 120	ABOVE 120 TO 180	ABOVE 180 TO 250	ABOVE 250
2A AND 2B	±0.5	±20%	±18%	±15%	±15%	±12%	±10%	2A, 3A, 4A	5°	4°	3°30'	3°	2°30'	2°

DIN 16941:2012-11 TOLERANCE SERIES	NOMINAL SIZE RANGE [MM]															
	TOLERANCES OF WALL THICKNESS							TOLERANCES OF LENGTH MEASUREMENTS								
	TO 1.2	ABOVE 1.2 UNTIL 2.5	ABOVE 2.5 UNTIL 4	ABOVE 4 UNTIL 6.5	ABOVE 6.5 UNTIL 10	ABOVE 10	TO 3	ABOVE 3 UNTIL 6	ABOVE 6 UNTIL 10	ABOVE 10 UNTIL 18	ABOVE 18 UNTIL 30	ABOVE 30 UNTIL 50	ABOVE 50 UNTIL 80	ABOVE 80 UNTIL 120	ABOVE 120 UNTIL 250	ABOVE 250 UNTIL 400
2A AND 2B	±0.2	±0.3	±0.4	±0.5	±0.6	±0.8%	±0.3	±0.4	±0.5	±0.6	±0.7	±0.8	±1.0	±1.2	±2.0	±3.0