

## QUALITY CERTIFICATE

Our Quality Department registered as Luz Negra S.L., with address in C/ Carles Buigues, 13 Polígono Industrial Can Castells 08420 Canovelles (Barcelona)

### CERTIFIES

That the Luz Negra range of aluminum profiles “ Led Profile” complies with CE regulations in accordance with European directives and the following required standards:

#### ALUMINIUM BASE FOR EXTRUSION:

Profile 13445 Type:E01, ALLOY 6063/6060, batch 54624 from ALUMINIO ESPAÑOL, S.A. with composition:

Fe	Cu	Mn	Si	Zn	Ti	Mg	Al
0,19	0,01	0,03	0,47	0,003	0,012	0,41	98,83

(Data given by supplier)

#### THERMAL HARDENING TREATMENT

Status: T4

Characteristics hardness min. surface		Real hardness
Webster	Brinell	Webster
10	60	10

According to normative UNE EN 755 y UNE EN 12020-1

#### DIMENSIONS AND TOLERANCES:

According to drawing and UNE EN 755-9 y UNE EN 12020-2

#### SURFACE TREATMENT ANODISED:

The profile in question has received S55 finishing which corresponds to silver anodising (10 Microns) and the corresponding testing has been carried out according to QUALANOD Edition 01/07/2010:

TEST	NORMATIVE	CHARACTERISTICS
Thickness	UNE-EN-ISO 2360	Int. (5-10) y Ext. (15-25) microns
Weight loss	UNE-EN-12373-7	$\leq 30$ mg/dm <sup>2</sup>
Testing with colour drop	UNE-EN-12373-4	0 -2

And for the record and at the request of the interested party, this certificate is issued, in Canovelles on September 26, 2020.

