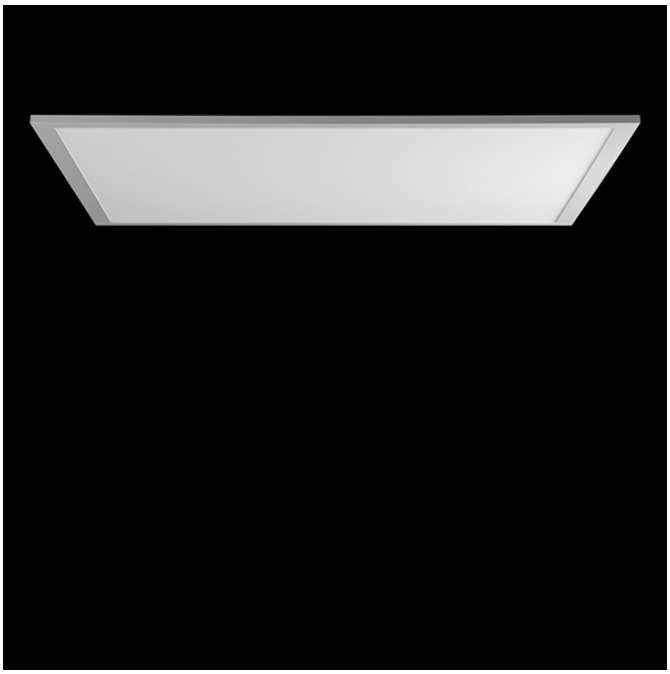


High efficiency tuneable white luminaire 1200 x 300 for gridding ceilings from the TROLL family Smartpanel.

DESCRIPTION

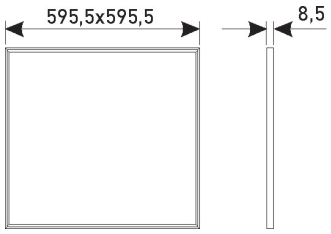
High efficiency tuneable white luminaire 1200 x 300 for gridding ceilings from the TROLL family Smartpanel setting an advanced and innovative thermal balance system through passive dissipation with variable colour temperature from 2700° K (extra-warm white) until 6500° K (cold white) optimised to be used as general lighting of offices, schools, commercial areas or architectural spaces. Smartpanel has been designed for ceiling recessed installation. Luminaire body made from aluminium finished in white. Luminaire built-in a polycarbonate opal diffuser with an angle beam of 116° and frontal side is IP44. Luminaire sets a 31 W LED source with CRI higher than 85 % and a chromatic dispersion lower than 6 SMCD. Fixture has a luminous flux of 3406 Lm, with an efficiency of 96,2 Lm/W and a total consumption of 35,4 W. The average life for the luminaire is 25000 h (stabilised at a minimum flux of 70 % from the original). Luminaire built-in an electronic tuneable white gear controlled by Bluetooth technology (through app for iOS system or remote control) fed at 220-240V; 50/60

Item code	**11.1840.2801.33**
Product type	**IN**
Category	**Recessed Luminaires**
Family	**Panel**
Subfamily	**Smartpanel**
Materials	**Luminaire body made from aluminium finished in white.**
Optical system	**Luminaire built-in a polycarbonate opal diffuser with an angle beam of 116°.**
Installation instructions	**Smartpanel has been designed for ceiling recessed installation. It can be installed surface mounted or hanging using installation accessories.**
Pictograms	

Dimensions	
Product dimensions (mm)	**295 x 1195 x 8,5**
Packing dimensions (mm)	**360 x 1330 x 50**
Net weight (g)	**3000**
Gross weight (Kg)	**3,1**

Scheme

Scheme



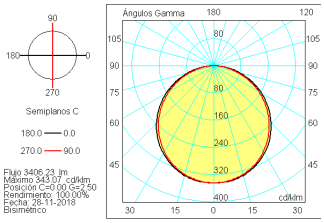
Product	
Real power (W)	**35,4**
Real luminous flux (Lm)	**3406**
Luminous efficiency (Lm/W)	**96,2**
Beam angle (º)	**116**
Life time (h)	**25000**
IP	**44/20**
IK	**05**
Electrical class insulation	**Class 2**
Operating temperature	**from -20°C to 35°C**
Electrical feeding	**220..240V, 50/60Hz**
Colour	**White**
Energy efficiency class	**A+**
Diffuser	**PC opal diffuser**

Control gear	
Control gear included	**Yes**
Control gear	**Dimmable electronic Bluetooth ballast for Tuneable White**
Factor de potencia	**0,9**

Light source	
Light source included	**Yes**
Light source	**Led**
Nominal power (W)	**31**
Nominal luminous flux (Lm)	**4800**
Colour temperature (K)	**from 2700K to 6500K**
Colour consistency (SDCM)	**6**
CRI	**80**

Photometry

Photometry


90
180
0
270
Semiplanos C
180.0 0.0
270.0 90.0
Flujo 3406.23 lm
Máximo 343.07 cd/klm
Posición C=0.00 G=2.50
Rendimiento: 100.00%
Fecha: 28-11-2018
Bisimétrico
Angulos Gamma
180
120
105
105
90
90
75
75
60
60
45
45
80
80
160
240
320
400
cd/klm
30
15
0
15
30