

CERTIFICATE

Issued to:
Applicant:
EAE Aydinlatma A.S.
Ikitelli O.S.B.
34490 Basaksehir-Istanbul, Turkey

Manufacturer/Licensee:
EAE Aydinlatma A.S.
Ikitelli O.S.B.
34490 Basaksehir-Istanbul, Turkey

Products : luminaire for indoor recessed lighting with LEDs
Trade name : EAE AYDINLATMA
Models : BLOOM/PIRAMIT

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard IEC 60598-1:2014; IEC 60598-2-2:2011; IEC 62031:2008;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2111502

DEKRA hereby grants the right to use the ENEC KEMA-KEUR certification mark.

The ENEC KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the ENEC KEMA-KEUR certification agreement and under the conditions of the ENEC KEMA-KEUR certification agreement.

This certificate is issued on: 3 April 2015 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2180761.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



H.R.M. Barends
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data	:	luminaire for indoor recessed lighting with LEDs
product	:	
trade name	:	EAE AYDINLATMA
types	:	BL/BLM series, PRM/PIR series
rated voltage	:	220-240 V
frequency	:	50-60 Hz
type of lamps	:	LED module
class	:	I

Additional information

- The CCT product range is from 2700 K up to 6500K
- The product has 3 types PCBs with different brand LEDs and different LED quantities.
- The luminaire may not covered with insulation material.
- Piramit is the architectural different then the version.

Code key structure 1 (BLOOM)

BL 360* C 2 T- PW / OD
1 2 3 4 5 6 7

1: Group code

BL= Bloom

2: Number of LEDs

84= 84 LEDs

110= 110 LEDs

130= 130 LEDs

264= 264 LEDs

360= 360 LEDs

3: Light source type

C= ChipLED

4: Power consumption

1= 20-28 W

2= 35 W

5: Mounting type

A= Drywall

T= Rockwool

C= Clip-in

P= pendant

6: CCT code

PW= > 5000 K

NW= 3700-5000 K

WW= 2700-3700 K

7: Cover type

OD= Opal diffuser

Code key structure 2 (BLOOM)

BLM 025 T 40 OD 00 2K4 6060

1 2 3 4 5 6 7 8

1: Group code

BLM= BLOOM

2: Power consumption

015= 15 W

020= 20 W

025= 25 W

035= 35 W

040= 40 W

3: Mounting type

A= Drywall

T= Rockwool

C= Clip-in

P= Pendant

4: CCT code

27= 2700 K

30= 3000 K

40= 4000 K

50= 5000 K

57= 5700 K

65= 6500 K

5: Cover type

OD= Opal diffuser

6: Driver type

00= Standard driver

03= DALI driver

7: Product lumen (optional)

1K0= 1000 lm (example)

8: Dimensions

2020= 20 x 20 cm

3030= 30 x 30 cm

6060= 60 x 60 cm

3012= 30 x 120 cm

Code key structure 1 (PIRAMIT)

PRM 448*C2 T-PW / OD 30*30

1 2 3 4 5 6 7 8

1: Group code

PRM= Piramit

2: Number of LEDs

78= 78 LEDs

132= 132 LEDs

175= 175 LEDs

264= 264 LEDs

448= 448 LEDs

3: Light source

C= ChipLED

4: Power consumption

1= 20-28 W

2= 35 W

5: Mounting type

A= Drywall

T= Rockwool

C= Clip-in

P= Pendant

6: CCT code

PW= > 5000 K

NW= 3700 K - 5000 K

WW= 2700 K - 3700 K

7: Cover type

OD= Opal diffuser

8: Dimensions

20*20= 20 x 20 cm

30*30= 30 x 30 cm

60*60= 60 x 60 cm

30*90= 30 x 90 cm

Code key structure 2 (PIRAMIT)

PIR 010 A 40 OD 00 1K0 6060

1 2 3 4 5 6 7 8

1: Group code
PIR= Piramit

2: Power consumption
010= 10 W
019= 19 W
028= 28 W
035= 35 W

3: Mounting type
A= Drywall
T= Rockwool
C= Clip-in
P= Pendant

4: CCT code
27= 2700 K
30= 3000 K
40= 4000 K
50= 5000 K
57= 5700 K
65= 6500 K

5: Cover type
OD= Opal diffuser

6: driver type
00= Standard driver
03= DALI driver

7: Product lumen (optional)
1K0= 1000 lm (example)

8: Dimensions
2020= 20 x 20 cm
3030= 30 x 30 cm
6060= 60 x 60 cm

Product data - type BL/BLM series

degree of protection : IP20 / IP65

Product data - type PRM/PIR series

degree of protection : IP20

TESTS**Test requirements**

IEC 60598-1:2014

IEC 60598-2-2:2011

IEC 62031:2008 + A2:2014

Test result

The test results are laid down in DEKRA test file 2180761.01.

Conclusion

The examination proved that all test requirements were met.

Tested by : P.G.J. Wouters

Checked by : L.N.H. Huynh

Two handwritten signatures in blue ink. The first signature is larger and more complex, corresponding to P.G.J. Wouters. The second signature is smaller and simpler, corresponding to L.N.H. Huynh.**Factory locations**

EAE Aydinlatma A.S.

Ikitelli O.S.B., 34490, Basaksehir-Istanbul

Turkey

List of components

Component	trade name	type/model	approval mark ¹⁾
LED driver	EAE	LD series, 100-240 V, 50-60 Hz, 600 mA, tc 75 °C	TUV SÜD
LED driver	OSRAM	OT series, 220-240 V, 50-60 Hz, 1050 mA, tc 75 °C	ENEC
LED driver	Tridonic	LCI series 220-240 V, 50-60 Hz, 1050 mA, tc 75°C	ENEC
LED driver	Tridonic	LCAI series, 220-240 V, 50-60 Hz, 1050 mA, tc 80°C	ENEC
terminal block	WAGO	2060 series, 160 V/9A, 0,25-0,75 mm ²	KEMA-KEUR
terminal block	Adels	LK 980 series, 450 V/24 A,0,5- 2,5 mm ² , T 85 °C	VDE
connector	Adels	160 BU/xs, 400 V/16A, 0,75-2,5 mm ² , T110	VDE
internal wiring	Basoglu	H05V2-U 1 x 0.5 mm ² , T 90 °C	<HAR>
internal wiring	Carkit	H05V2-U 1 x 0.5 mm ² , T 90°C	<HAR>
gland	Ortaclar	OMRx-04, IP68, -30°C...+80°C	VDE
LED module	EAE	LM-BLM-11584, 42 Vdc max, 1050 mA max	*
LED module	EAE	LM-BLM-10909, 58 Vdc max, 700 mA max	*
LED module	EAE	LM-BLM-06871, 36Vdc max, 500 mA max	*

¹⁾ * indicates a component tested as part of the appliance