

CERTIFICATE

Issued to:

Applicant:

**EAE ELEKTRİK AYDINLATMA ENDÜSTRİSİ
SANAYİ VE TİCARET ANONİM ŞİRKETİ**
Organize Sanayi Bolgesi (Makine İhtisas OSB)
Mah. 1. Cad. Fabrika Binası (A+B+C Blok) Apt.
No:4B
41455 Dilovasi/ Kocaeli, Turkey

Licensee:

**EAE ELEKTRİK AYDINLATMA ENDÜSTRİSİ
SANAYİ VE TİCARET ANONİM ŞİRKETİ**
Organize Sanayi Bolgesi (Makine İhtisas OSB)
Mah. 1. Cad. Fabrika Binası (A+B+C Blok) Apt.
No:4B
41455 Dilovasi/ Kocaeli, Turkey

Product : LED Luminaires for road and street lighting
Trade name(s) : EAE
Type(s)/model(s) : RA, RA2 and RA3 series

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 EN 60598-1:2015, EN 60598-1:2015/AC:2015, EN 60598-1:2015/AC:2016, EN 60598-1:2015/A1:2018, EN 60598-2-3:2003, EN 60598-2-3:2003/C11:2005 and EN 60598-2-3:2003/A1:2011
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2111502

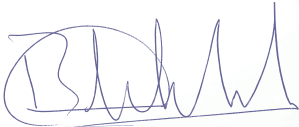
DEKRA hereby grants the right to use the ENEC certification mark.

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

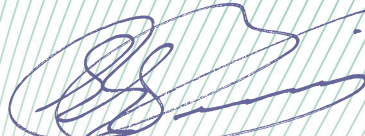
This certificate is issued on 7 December 2020 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-116438

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



H.L. Schendstok
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: LED Luminaires for road and street lighting
Trade name(s)	: EAE
Type(s)/model(s)	: RA2 series, RA3 series and RA series
Rated voltage/nature of supply	: 220 - 240 Vac
Rated frequency	: 50 - 60 Hz
Class	: class I
Degree of protection against dust, solid and moisture	: IP66
Degree of protection against external mechanical impact	: IK09

Product data – type RA series

Rated power	: 25, 30, 45 and 52 W
Ambient temperature range	: ta: -30.... +50 °C

Product data – type RA2 series

Rated power	: 30, 54, 65 and 103 W
Ambient temperature range	: ta: -40... +60 °C (for 30 and 54 W) ta: -40... +55 °C (for 65 W) ta: -40... +50 °C (for 103 W)

Product data – type RA3 series

Rated power	: 131 and 158 W
Ambient temperature range	: ta: -40... +50 °C

TESTS**Test requirements**

EN 60598-1:2015
EN 60598-1:2015/AC:2015
EN 60598-1:2015/AC:2016
EN 60598-1:2015/A1:2018
EN 60598-2-3:2003
EN 60598-2-3:2003/C11:2005
EN 60598-2-3:2003/A1:2011

Test result

The test results are laid down in DEKRA test file 224077900.

Additional information

The tests were performed by the manufacturer under the conditions of the agreement concerning the manufacturer's right to conduct type tests for the KEMA-KEUR / ENEC certification system under supervision of DEKRA (CTF Stage 3).

The luminaire contains a LED module which is in compliance with EN 62031:2020 (tested as part of the appliance).

The product was evaluated according IEC/TR 62778 blue light hazard and complies with non-GLS Risk Group 2 (labelling is required). The threshold distance from RG2 to RG1 is:

- 1,97 m for RA series
- 1,91 m for RA2 series
- 4,37 m for RA3 series.

The list of components is laid down in test report 2240779.50.

Conclusion

The examination proved that all requirements were met.

Factory location

EAE ELEKTRİK AYDINLATMA ENDÜSTRİSİ SANAYİ VE TİCARET ANONİM ŞİRKETİ
Organize Sanayi Bölgesi (Makine İhtisas OSB) Mah. 1. Cad. Fabrika Binası (A+B+C Blok) Apt. No:4B
41455 Dilovası/ Kocaeli, Turkey

Code Structure

<u>RA</u>	<u>025</u>	<u>D</u>	<u>40</u>	<u>SC</u>	<u>00</u>	<u>WL</u>	<u>3K57</u>	<u>NM</u>
1	2	3	4	5	6	7	8	9

- | | |
|--|--|
| <p>1. Group Code
RA
RA2
RA3</p> <p>2. Power Consumption
<u>RA:</u>
025: 25 W; 030: 30 W
045: 45 W; 052: 52 W

<u>RA2:</u>
030: 30 W; 054: 54 W
065: 65 W; 103: 103 W

<u>RA3:</u>
131: 132 W; 158: 158 W</p> <p>3. Mounting Type
D: Direk / Pole</p> <p>4. CCT Code
30: 3000 K
40: 4000 K
50: 5000 K
57: 5700 K
65: 6500 K</p> <p>5. Glass Type
SC: Serigraphy glass</p> | <p>6. Driver Type
00: Standard
03: DALI
30: Standart+ RF
62: DALI+RF</p> <p>7. Optic angle
WL: Wide beam</p> <p>8. Lumens (Example)
17K4=17400 lm
20K6=20661 lm</p> <p>9. Socket
NM: NEMA Socket</p> |
|--|--|