

# CERTIFICATE

Issued to:  
Applicant:  
**Etap N.V.**  
**Antwerpsesteenweg 130**  
**2390 Malle**  
**Belgium**

Manufacturer/Licensee:  
**Etap N.V.**  
**Antwerpsesteenweg 130**  
**2390 Malle**  
**Belgium**

Product : Fixed luminaires with LEDs  
Trade name : ETAP  
Model : E7 LED series  
Product key : E7 \*\*\* / LED \* \* \* \* \* (\*) \* \*

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 60598-2-1:1989
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 947634

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: 21 October 2016 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2197773.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



W. Singewald  
Certification Manager

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## SPECIFICATION OF THE CERTIFIED PRODUCT

### Product data

|  |  |
|--|--|
| product  | : Fixed luminaires with LEDs                             |
| trade name   | : ETAP   |
| model  | : E7 LED   |
| product key  | : E7 * * * / LED * * * * * * * ( * ) * *                 |
| rated voltage  | : 220-240 V  |
| nature of supply   | : ac   |
| rated frequency  | : 50-60 Hz   |
| rated power  | : 43 W ...341 W  |
| ambient temperature (ta)   | : 25 °C  |
| class  | : I  |
| degree of protection of ingress of dust, solid object and moisture | : IP40   |
| degree of protection against external mechanical impacts           | : IK03 (E70 and E74 series)<br>IK07 (E71 and E72 series) |
| description  | : Fixed luminaires with LED light source.                |

### Additional information

Explanation of product key:

E7 \* \* \* / LED \* \* \* \* \* \* \* ( \* ) \* \*

| E7 | * | * | * | / | LED | * | * | *** | *** | (*) | *                        | T.                                  |
|----|---|---|---|---|-----|---|---|-----|-----|-----|--------------------------|-------------------------------------|
|    |   |   |   |   |     |   |   |     |     |     | Technical Option         |                                     |
|    |   |   |   |   |     |   |   |     |     |     | 1 Protective cover IP40  |                                     |
|    |   |   |   |   |     |   |   |     |     |     | BALLAST                  |                                     |
|    |   |   |   |   |     |   |   |     |     |     | S                        | Static                              |
|    |   |   |   |   |     |   |   |     |     |     | D                        | DALI dim                            |
|    |   |   |   |   |     |   |   |     |     |     | A                        | 1-10V dim                           |
|    |   |   |   |   |     |   |   |     |     |     | EMERGENCY UNIT           |                                     |
|    |   |   |   |   |     |   |   |     |     |     | E                        | 1h autonomy                         |
|    |   |   |   |   |     |   |   |     |     |     | F                        | 3h autonomy                         |
|    |   |   |   |   |     |   |   |     |     |     | LUMINOUS FLUX (LAMP)     |                                     |
|    |   |   |   |   |     |   |   |     |     |     | NNN                      | Luminous flux x100lm (max. NNN=400) |
|    |   |   |   |   |     |   |   |     |     |     | NUMBER OF LEDS           |                                     |
|    |   |   |   |   |     |   |   |     |     |     | XXX total number of LEDs |                                     |
|    |   |   |   |   |     |   |   |     |     |     | 024                      | 24 LEDs                             |
|    |   |   |   |   |     |   |   |     |     |     | 032                      | 32 LEDs                             |
|    |   |   |   |   |     |   |   |     |     |     | 040                      | 40 LEDs                             |
|    |   |   |   |   |     |   |   |     |     |     | 048                      | 48 LEDs                             |
|    |   |   |   |   |     |   |   |     |     |     | 056                      | 56 LEDs                             |

| E7                 | *  | * | * | / | LED | *             | *  | ***             | *** | (*)      | * | T. |  |  |  |  |  |
|--------------------|--|---|---|---|-----|---------------|--|-----------------|-----|----------|---|----|--|--|--|--|--|
|                    |  |   |   |   |     |               |  | 064             |     | 64 LEDs  |   |    |  |  |  |  |  |
|                    |  |   |   |   |     |               |  | 080             |     | 80 LEDs  |   |    |  |  |  |  |  |
|                    |  |   |   |   |     |               |  | 096             |     | 96 LEDs  |   |    |  |  |  |  |  |
|                    |  |   |   |   |     |               |  | 112             |     | 112 LEDs |   |    |  |  |  |  |  |
|                    |  |   |   |   |     |               |  | 128             |     | 128 LEDs |   |    |  |  |  |  |  |
|                    |  |   |   |   |     |               |  | 160             |     | 160 LEDs |   |    |  |  |  |  |  |
|                    |  |   |   |   |     |               |  | 192             |     | 192 LEDs |   |    |  |  |  |  |  |
|                    |  |   |   |   |     |               |  | 224             |     | 224 LEDs |   |    |  |  |  |  |  |
|                    |  |   |   |   |     |               |  | 256             |     | 256 LEDs |   |    |  |  |  |  |  |
|                    |  |   |   |   |     |               |  | LAMP COLOUR/CRI |     |          |   |    |  |  |  |  |  |
|                    |  |   |   |   |     | N             | Natural white                                      |                 |     |          |   |    |  |  |  |  |  |
|                    |  |   |   |   |     | W             | Warm white   |                 |     |          |   |    |  |  |  |  |  |
|                    |  |   |   |   |     | LENGTH        |  |                 |     |          |   |    |  |  |  |  |  |
|                    |  |   |   |   |     | 1             | 1 m  |                 |     |          |   |    |  |  |  |  |  |
|                    |  |   |   |   |     | 2             | 2 m  |                 |     |          |   |    |  |  |  |  |  |
|                    |  |   |   |   |     | 3             | 3 m  |                 |     |          |   |    |  |  |  |  |  |
|                    |  |   |   |   |     | 4             | 4 m  |                 |     |          |   |    |  |  |  |  |  |
|                    |  |   |   |   |     | LAMP TYPE     |  |                 |     |          |   |    |  |  |  |  |  |
|                    |  |   |   |   |     | LED           |  |                 |     |          |   |    |  |  |  |  |  |
|                    |  |   |   |   |     | CONFIGURATION |  |                 |     |          |   |    |  |  |  |  |  |
|                    |  |   |   |   |     | 0             | individual luminaire                               |                 |     |          |   |    |  |  |  |  |  |
|                    |  |   |   |   |     | 1             | line segment uninterrupted                         |                 |     |          |   |    |  |  |  |  |  |
|                    |  |   |   |   |     | 2             | line segment 2m or 4m with 1 blind module per 2 m  |                 |     |          |   |    |  |  |  |  |  |
|                    |  |   |   |   |     | 3             | line segment 2m or 4m with 2 blind modules per 2 m |                 |     |          |   |    |  |  |  |  |  |
|                    |  |   |   |   |     | 4             | line segment 2m or 4m with 3 blind modules per 2 m |                 |     |          |   |    |  |  |  |  |  |
| 5                  | line segment 2m or 4m with 4 blind modules per 2 m |   |   |   |     |               |  |                 |     |          |   |    |  |  |  |  |  |
| 6                  | line segment 2m or 4m with 5 blind modules per 2 m |   |   |   |     |               |  |                 |     |          |   |    |  |  |  |  |  |
| Number of LED Rows |  |   |   |   |     |               |  |                 |     |          |   |    |  |  |  |  |  |
| 1                  | 1 Row  |   |   |   |     |               |  |                 |     |          |   |    |  |  |  |  |  |
| 2                  | 2 Rows   |   |   |   |     |               |  |                 |     |          |   |    |  |  |  |  |  |
| LIGHT DISTRIBUTION |  |   |   |   |     |               |  |                 |     |          |   |    |  |  |  |  |  |
| 0                  | Narrow beam  |   |   |   |     |               |  |                 |     |          |   |    |  |  |  |  |  |
| 1                  | Medium beam  |   |   |   |     |               |  |                 |     |          |   |    |  |  |  |  |  |
| 2                  | Wide beam  |   |   |   |     |               |  |                 |     |          |   |    |  |  |  |  |  |
| 4                  | Asymetric beam                                     |   |   |   |     |               |  |                 |     |          |   |    |  |  |  |  |  |



**PRODUCT GROUP**

E7

E70 and E74 series fulfill IK03 requirements

E71 and E72 series fulfill IK07 requirements

**TESTS****Test requirements**

EN 60598-1:2015 + AC:2015 + AC:2016

EN 60598-2-1:1989

**Test results**

The test results are laid down in DEKRA test file 2197773.00.

**Remarks**

- The list of components is laid down in test report 2197773.50
- The luminaire contains a led module which is in compliance with EN 62031:2008 + A1:2013 + A2:2015. The led module is accepted as a separately tested component.

**Conclusion**

The examination proved that all test requirements were met.

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)

Supervised by : H.J.H. te Lindert



Checked by : L.N.H. Huynh



**Factory location**

Etap N.V.  
Antwerpsesteenweg 130  
2390 Malle  
Belgium