

# CERTIFICATE

Issued to:  
Applicant:  
**AEC ILLUMINAZIONE Srl**  
Via A. Righi, 4 - Z.I. Castelnuovo  
52010 Subbiano (AR), Italy

Licensee:  
**AEC ILLUMINAZIONE Srl**  
Via A. Righi, 4 - Z.I. Castelnuovo  
52010 Subbiano (AR), Italy

Product : Luminaires for road and street lighting  
Trade name(s) : AEC ILLUMINAZIONE  
Type(s)/model(s) : I-TRON ZERO

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 60598-2-3:2003, EN 60598-2-3:2003/A1:2011, EN 60598-1:2015, EN 60598-1:2015/AC:2016, EN 60598-1:2015/AC:2015 and EN 60598-1:2015/A1:2018
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 3504208

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

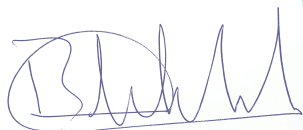
Compliance with the requirements of this Standard carries a presumption of conformity with the essential safety requirements of the Low voltage directive (LVD) 2014/35/EU.

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.

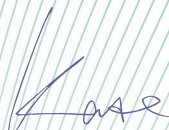
This certificate is issued on 8 October 2020 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-115970

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



K Xu  
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE  
DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	: Luminaires for road and street lighting
Trade name(s)	: AEC ILLUMINAZIONE
Type(s)/model(s)	: I-TRON ZERO
Supply voltage	: 220 - 240 V
Rated frequency	: 50/60 Hz
Protection class	: Class I
IP degree	: IP66
Rated input	: Max 86 W
Ambient temperature	: 50 °C or 45 °C

**TESTS****Test requirements**

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

**Test result**

The test results are laid down in DEKRA test file 350717900.

**Additional information**

DEKRA Test Report No. 3507179.52 is laid down in DEKRA Test file 350717900 It contains both test results and critical component list

For a complete list of models/series, see table on the annex of this certificate.

This certificate replaces certificate No. 81-112633 which we hereby declare invalid.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

AEC ILLUMINAZIONE Srl  
Via A. Righi, 4 - Z.I. Castelnuovo  
52010 Subbiano (AR), Italy



# 8 LED OSRAM

Series / Models	Supply voltage V	Hz	P max W	Protection class	N° Led	lout max mA	IP degree	t <sub>a</sub>
I-TRON ZERO TR0B0yjdwwwuuszazaaa011c v.h*****	220-240	50/60	16 22 31	Class I	8	525 700 1000	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuuszazaaa021c v.h*****	220-240	50/60	31 41 59	Class I	16	525 700 1000	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuuszazaaa031c v.h*****	220-240	50/60	45 60 86	Class I	24	525 700 1000	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuuszazaaa031c v.h*****	220-240	50/60	86	Class I	24	1000	IP66	45 °C ##

## LEGEND

y	Revision	0,1,2,...9,A,B,C....Z
j	Fixing Type	0 = Post-top / bracket Ø 60 mm 1 = Post-top / bracket Ø 60-76 mm 2 = Post-top / bracket Ø 33-60 mm
d	Screen type	V = Clear glass (IK09) X = Extra-clear glass (IK09) S = PCG glass (IK07) T = Satin glass (IK07) A = Glass with plastic screen (IK07) B = EV0 glass (IK09)
ww	Optic type	0D = STU-M 0E = STU-S 26 = STU-W 0P = HPO00 0Q = HPO01 33 = S03 ww = other type of optic

uu	LED type	03 = OSLOON SQUARE 04 = LUXEON 5050 08 = LUXEON 5050s
s	CRI	7 = 70 8 = 80 9 = 90 A = 75 B = 85 C = 95 s = Other CRI
zz	Colour temperature	22 = 2200 K 27 = 2700 K 30 = 3000 K 40 = 4000 K 57 = 5700 K 65 = 6500 K z = Other temperature ≤ 6500 K available
aaaa	LED current	0525 = 525 mA 0700 = 700 mA 1000 = 1000 mA aaaa = other current ≤ 1000 mA
c	Dimming version	0 = No dimming - IK09 1 = DA - IK09 2 = DAC - IK09 3 = DB-D - IK09 4 = DB-I - IK09 5 = DB-D/T - IK09 6 = DB-I/T - IK09 7 = DIM-REG - IK09

c	Dimming version	9 = 1-10V EXT - IK09 A = DALI EXT - IK09 E = NEMA SOCKET - IK09 WL (Wireless control device) G = IK08 with antenna D = 52mm H = 17mm IK09 with antenna D = 76mm H = 66mm WL-A (Wireless control device) H = IK08 with antenna D = 52mm H = 17mm IK09 with antenna D = 76mm H = 66mm I = ZHAGA - IK09
h	Protection	0 = With SPD 1 = With TMOV 2 = Without protection device 3 = With SPD _ without mains connector 4 = With TMOV _ without mains connector 5 = Without protection device _ without mains connector 9 = With SPD _ with mains connector A = With TMOV _ with mains connector B = Without protection device _ with mains connector
* (6 digit)	Code for internal use of the manufacturer to handle special versions such as pre-mounted supply cable or connecting connectors	

**Note: ##** Only for Philips 75 W

### 8 LED PHILIPS

Series / Models	Supply voltage V	Hz	P max W	Protection class	N° Led	Iout max mA	IP degree	t <sub>a</sub>
I-TRON ZERO TR0B0yjdwwwuszzaaaa011c v.h*****	220-240	50/60	22 25 31	Class I	8	350 400 500	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuszzaaaa021c v.h*****	220-240	50/60	41 47 59	Class I	16	350 400 500	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuszzaaaa031c v.h*****	220-240	50/60	60 69 86	Class I	24	350 400 500	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuszzaaaa031c v.h*****	220-240	50/60	86	Class I	24	500	IP66	45 °C ##

### LEGEND

y	Revision	0,1,2,...9,A,B,C....Z
j	Fixing Type	0 = Post-top / bracket Ø 60 mm 1 = Post-top / bracket Ø 60-76 mm 2 = Post-top / bracket Ø 33-60 mm
d	Screen type	V = Clear glass (IK09) X = Extra-clear glass (IK09) S = PCG glass (IK07) T = Satin glass (IK07) A = Glass with plastic screen (IK07) B = EV0 glass (IK09)
ww	Optic Type	0D = STU-M 0E = STU-S 26 = STU-W 0P = HPO00 0Q = HPO01 33 = S03 ww = other type of optic

uu	LED Type	03 = OSLO SQUARE 04 = LUXEON 5050 08 = LUXEON 5050s
s	CRI	7 = 70 8 = 80 9 = 90 A = 75 B = 85 C = 95 s = Other CRI
zz	Colour temperature	22 = 2200 K 27 = 2700 K 30 = 3000 K 40 = 4000 K 57 = 5700 K 65 = 6500 K z = Other temperature ≤ 6500 K available
aaaa	LED current	0350 = 350 mA 0400 = 400 mA 0500 = 500 mA aaaa = other current ≤ 500 mA
c	Dimming version	0 = No dimming - IK09 1 = DA - IK09 2 = DAC - IK09 3 = DB-D - IK09 4 = DB-I - IK09 5 = DB-D/T - IK09 6 = DB-I/T - IK09 7 = DIM-REG - IK09 9 = 1-10V EXT - IK09

c	Dimming version	A = DALI EXT - IK09 E = NEMA SOCKET - IK09 WL (Wireless control device) G = IK08 with antenna D = 52mm H = 17mm IK09 with antenna D = 76mm H = 66mm WL-A( Wireless control device) H = IK08 with antenna D = 52mm H = 17mm IK09 with antenna D = 76mm H = 66mm I = ZHAGA - IK09
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## 6 LED OSRAM

Series / Models	Supply voltage V	Hz	P max W	Protection class	N° Led	Iout max mA	IP degree	t <sub>a</sub>
I-TRON ZERO TR0B0yjdwwwuszzaaaa011c v.h*****	220-240	50/60	12 16 23	Class I	6	525 700 1000	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuszzaaaa021c v.h*****	220-240	50/60	24 32 46	Class I	12	525 700 1000	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuszzaaaa031c v.h*****	220-240	50/60	35 46 66	Class I	18	525 700 1000	IP66	50 °C

## LEGEND

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j	Fixing Type	0 = Post-top / bracket Ø 60 mm 1 = Post-top / bracket Ø 60-76 mm 2 = Post-top / bracket Ø 33-60
d	Screen type	V = Clear glass (IK09) X = Extra-clear glass (IK09) S = PCG glass (IK07) T = Satin glass (IK07) A = Glass with plastic screen (IK07) B = EV0 glass (IK09)
ww	Optic Type	0L = STA 0M = STA1 0N = STW-15 ww = other type of optic
uu	LED Type	03 = OSOLON SQUARE 04 = LUXEON 5050 08 = LUXEON 5050s

s	CRI	7 = 70 8 = 80 9 = 90 A = 75 B = 85 C = 95 s = Other CRI
zz	Colour temperature	22 = 2200 K 27 = 2700 K 30 = 3000 K 40 = 4000 K 57 = 5700 K 65 = 6500 K z = Other temperature $\leq$ 6500 K available
aaaa	LED current	0525 = 525 mA 0700 = 700 mA 1000 = 1000 mA aaaa = other current $\leq$ 1000 mA
c	Dimming version	0 = No dimming - IK09 1 = DA - IK09 2 = DAC - IK09 3 = DB-D - IK09 4 = DB-I - IK09 5 = DB-D/T - IK09 6 = DB-I/T - IK09 7 = DIM-REG - IK09 9 = 1-10V EXT - IK09

		A = DALI EXT - IK09 E = NEMA SOCKET - IK09 WL(Wireless control device) G = IK08 with antenna D = 52mm H = 17mm IK09 with antenna D = 76mm H = 66mm WL-A(Wireless control device) H = IK08 with antenna D = 52mm H = 17mm IK09 with antenna D = 76mm H = 66mm I = ZHAGA - IK09
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## 6 LED PHILIPS

Series / Models	Supply voltage V	Hz	P max W	Protection class	N° Led	Iout max mA	IP degree	t <sub>a</sub>
I-TRON ZERO TR0B0yjdwwwuszzaaaa011c v.h*****	220-240	50/60	16 19 23	Class I	6	350 400 500	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuszzaaaa021c v.h*****	220-240	50/60	32 37 46	Class I	12	350 400 500	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuszzaaaa031c v.h*****	220-240	50/60	46 53 66	Class I	18	350 400 500	IP66	50 °C

## LEGEND

y	Revision	0,1,2,...9,A,B,C....Z
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