

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.

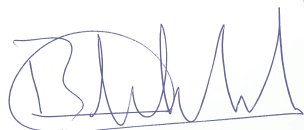
Compliance with the requirements of this Standard carries a presumption of conformity with the essential safety requirements of the Low voltage directive (LVD) 2014/35/EU.

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 18 October 2020 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-116042

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



R Zhou
Certification Manager

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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 II
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

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

This certificate replaces certificate No. 81-112634 which we hereby declare invalid.

The list of components is laid down in test report 3507179.53.

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	Iout max mA	IP degree	t _a
I-TRON ZERO TR0B0yjdwwwuszzaaaa012c v.h*****	220-240	50/60	16 22 31	Class II	8	525 700 1000	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuszzaaaa022c v.h*****	220-240	50/60	31 41 59	Class II	16	525 700 1000	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuszzaaaa032c v.h*****	220-240	50/60	45 60 86	Class II	24	525 700 1000	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuszzaaaa032c v.h*****	220-240	50/60	86	Class II	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 G = IK08 with antenna D = 52mm H = 17mm IK09 with antenna D = 76mm H = 66mm WL-A 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 _a
I-TRON ZERO TR0B0yjdwwwuszzaaaa012c v.h*****	220-240	50/60	22 25 31	Class II	8	350 400 500	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuszzaaaa022c v.h*****	220-240	50/60	41 47 59	Class II	16	350 400 500	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuszzaaaa032c v.h*****	220-240	50/60	60 69 86	Class II	24	350 400 500	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuszzaaaa032c v.h*****	220-240	50/60	86	Class II	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 \leq 6500 K available
aaaa	LED current	0350 = 350 mA 0400 = 400 mA 0500 = 500 mA aaaa = other current \leq 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 A = DALI EXT - IK09 E = NEMA SOCKET - IK09 WL G = IK08 with antenna D = 52mm H = 17mm IK09 with antenna D = 76mm H = 66mm WL-A H = IK08 with antenna D = 52mm H = 17mm IK09 with antenna D = 76mm H = 66mm I = ZHAGA - IK09
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Note: ## Only for Philips 75 W

6 LED OSRAM

Series / Models	Supply voltage V	Hz	P max W	Protection class	N° Led	Iout max mA	IP degree	t _a
I-TRON ZERO TR0B0yjdwwwuszzaaaa012c v.h*****	220-240	50/60	12 16 23	Class II	6	525 700 1000	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuszzaaaa022c v.h*****	220-240	50/60	24 32 46	Class II	12	525 700 1000	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuszzaaaa032c v.h*****	220-240	50/60	35 46 66	Class II	18	525 700 1000	IP66	50 °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
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
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c	Dimming version	9 = 1-10V EXT - IK09 A = DALI EXT - IK09 E = NEMA SOCKET - IK09 WL G = IK08 with antenna D = 52mm H = 17mm IK09 with antenna D = 76mm H = 66mm WL-A 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 _a
I-TRON ZERO TR0B0yjdwwwuszzaaaa012c v.h*****	220-240	50/60	16 19 23	Class II	6	350 400 500	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuszzaaaa022c v.h*****	220-240	50/60	32 37 46	Class II	12	350 400 500	IP66	50 °C
I-TRON ZERO TR0B0yjdwwwuszzaaaa032c v.h*****	220-240	50/60	46 53 66	Class II	18	350 400 500	IP66	50 °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
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c	Dimming version	A = DALI EXT - IK09 E = NEMA SOCKET - IK09 WL G = IK08 with antenna D = 52mm H = 17mm IK09 with antenna D = 76mm H = 66mm WL-A H = IK08 with antenna D = 52mm H = 17mm IK09 with antenna D = 76mm H = 66mm I = ZHAGA - IK09
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