

# 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) : Series COMPASS 1

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.

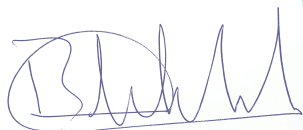
Compliance with the requirements of this Standard carries a presumption of conformity with the essential safety requirements of the Low voltage directive (LVD) 2014/35/EU.

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.

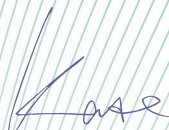
This certificate is issued on 2 July 2019 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-109125

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)	: Series COMPASS 1
Supply voltage	: 220-240 V
Rated frequency	: 50/60 Hz
Protection class	: Class II
IP degree	: IP66
Rated input	: Max 120 W
Ambient temperature	: 50 °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 350661000.

**Additional information**

Dekra test report No. 3506610.50 is laid down in Dekra test file 350661000. It contains both test results and critical component list

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

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

AEC ILLUMINAZIONE Srl  
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### 8 LED

Series / Models	Supply voltage V	Hz	P max W	Protection class	N° Led	Iout max mA	IP degree	t <sub>a</sub>
COMPASS 1 PC1xywwzaaaa012_bb v.ch*****	220-240	50/60	24 30	Class II	8	400 500	IP66 IK08	50 °C
COMPASS 1 PC1xywwzaaaa022_bb v.ch*****	220-240	50/60	48 60	Class II	16	400 500	IP66 IK08	50 °C
COMPASS 1 PC1xywwzaaaa032_bb v.ch*****	220-240	50/60	72 90	Class II	24	400 500	IP66 IK08	50 °C
COMPASS 1 PC1xywwzaaaa042_bb v.ch*****	220-240	50/60	96 120	Class II	32	400 500	IP66 IK08	50 °C

### LEGEND

x	Fixing Type	B = post-top / bracket attachment (TP/BR) T = post-top / wall attachment (TP-AM) M = Suspended on bracket (S) S = Suspension rope (TS) U = post-top attachment (TP/UB)
y	Revision	0,1,2,...9,A,B,C,...Z
ww	Optic Type	0D = STU-M 0E = STU-S 26 = STU-W 0P = HPO00 0Q = HPO01 ww= Other type of optic
z	Colour temperature	3 = 3000 K 4 = 4000 K 5 = 5000 K 6 = 5700 K z = Other temperature ≤ 5700 K available
aaaa	LED current	0400 = 400 mA 0500 = 500 mA aaaa = other current ≤ 500 mA

bb	Finishing equipment	Stands for any letter or number indicating different colors of the luminaire for marketing purpose only and no impact on safety related constructions and critical components.
c	Dimming version	0 = No dimming 1 = DA 2 = DAC 2 = DAC 3 = DB-D 4 = DB-I 5 = DB-D/T 6 = DB-I/T 7 = DIM-REG 9 = 1-10V EXT A = DALI EXT E = NEMA SOCKET G = WL H = WL-A I = ZHAGA c = Other type of control
h	Protection	0 = With SPD 1 = With TMOV 2 = Without protection device
* (5 digit)	Code for internal use of the manufacturer to handle special versions such as pre-mounted supply cable, connecting connectors, or led manufacturer	

### 6 LED

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COMPASS 1 PC1xywwzaaaa022_bb v.ch*****	220-240	50/60	36 45	Class II	12	400 500	IP66 IK08	50 °C
COMPASS 1 PC1xywwzaaaa032_bb v.ch*****	220-240	50/60	54 68	Class II	18	400 500	IP66 IK08	50 °C
COMPASS 1 PC1xywwzaaaa042_bb v.ch*****	220-240	50/60	72 90	Class II	24	400 500	IP66 IK08	50 °C

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COMPASS 1 PC1xywwzaaaa032_bb v.ch*****	220-240	50/60	70 88	Class II	24	800 1000	IP66 IK08	50 °C
COMPASS 1 PC1xywwzaaaa042_bb v.ch*****	220-240	50/60	94 117	Class II	32	800 1000	IP66 IK08	50 °C

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COMPASS 1 PC1xywwzaaaa032_bb v.ch*****	220-240	50/60	53 66	Class II	18	800 1000	IP66 IK08	50 °C
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