



Ref. Certif. No.

DK-56357-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEMESYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

Product
ProduitName and address of the applicant
Nom et adresse du demandeurName and address of the manufacturer
Nom et adresse du fabricantName and address of the factory
Nom et adresse de l'usineNote: When more than one factory, please report on page 2
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2^{ème} pageRatings and principal characteristics
Valeurs nominales et caractéristiques principalesTrademark (if any)
Marque de fabrique (si elle existe)Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais
constructeurModel / Type Ref.
Ref. De typeAdditional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,,
peuvent être indiqués sur la 2^{ème} pageA sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à laAs shown in the Test Report Ref. No. which forms part
of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce Certificat

CERTIFICAT D'ESSAI OC

Built-in LED Module

Philips Lighting B.V.
High Tech Campus 45
Eindhoven, 5656 AE NetherlandsPhilips Lighting B.V.
High Tech Campus 45
Eindhoven, 5656 AE Netherlands☒ Additional Information on page 2Imax 2750 mA Vmax 42 V
(see Test Report for further performance ratings)

PHILIPS

Fortimo SLM C zcc dd m Lee s Gi a
See Page 2 and 3☒ Additional Information on page 2

IEC 62717 (ed.1)

4787363259.2 issued on 2016-06-30

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADAFor full legal entity names see www.ul.com/ncbnames

Date: 2016-07-15

Signature:

Jan-Erik Storgaard



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Model Details:

Product Key:Variant series : **Fortimo SLM C zcc dd m Lee s Gi a**

Where:

- z = CRI of LED divided by 10 (one digit, may be "7" or "8" or "9");
cc = Color temperature of LED divided by 100 (two digits, may be a value between 25 and 57);
dd = Color of light (two or three characters or none, may be "CW" or "FP" or "FPR" or "FW" or "FWW" or "PW" or blank)
m = Die matrix (4 digits, may be "1202s" or "1203" or "1204" or "1204s" or "1205" or "1208" or "1211" or "1216")
ee = Diameter of Light Emitting Surface (LES) in mm (one or two digits, may be a value between 6,5 and 23);
s = CoB size in mm (four digits, example 2828: CoB dimensions = 28 mm x 28 mm);
i = Number of generation of COB (one digit, may be '6');
a = Alphanumeric commercial suffix for commercial purposes (optional)

Maximum electrical ratings of the series:

CoB Type (Die matrix)	Diameter of LES of CoB [mm]	DC Current [mA]	Power [W]	Power Density of CoB [W/mm2]	tc [°C]
1216	23	2750 (Vf tot 41 V)	113	0,27	105
1211	19	2400 (Vf tot 41 V)	98	0,35	105
1208	15	1710 (Vf tot 41 V)	70	0,40	105
1205	13	1050 (Vf tot 41 V)	43	0,32	105
1204	13	850 (Vf tot 41 V)	35	0,26	105
1204s	9	740 (Vf tot 41 V)	30,3	0,47	105
1203	9	570 (Vf tot 41 V)	23	0,36	105
1202s	6,5	380 (Vf tot 41 V)	15,5	0,47	105

Additional information (if necessary)**Information complémentaire (si nécessaire)**

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Variant series : **Fortimo SLM** zcc Lee hh s Gij a

Where:

- z = CRI of LED divided by 10 (one digit, may be "7" or "8" or "9");
cc = Color temperature of LED divided by 100 (two digits, may be a value between 25 and 57);
ee = Diameter of Light Emitting Surface (LES) in mm (one or two digits, may be a value between 6,5 and 23);
hh = Holder type (two characters or none, may be "DL" or "PI" or "ZP" or blank);
s = CoB size in mm (four digits, example 2828: CoB dimensions = 28 mm x 28 mm);
i = Number of generation of COB (one digit, may be '6');
j = Number of generation of Holder (one digit, may be "1" or "2");
a = Alphanumeric commercial suffix for commercial purposes (optional)

The variant series 3 differs from the variant series 2 for different product key, for the presence of LED CoB + LED Holder and for different maximum ratings for CoB Type 1216.

Maximum electrical ratings of the series:

CoB Type	Diameter of LES of CoB [mm]	DC Current [mA]	Power [W]	Power Density of CoB [W/mm2]	tc [°C]	T Holder [°C]
1216	23	2400 (Vf tot 41 V)	98	0,24	105	100
1211	19	2400 (Vf tot 41 V)	98	0,35	105	100
1208	15	1710 (Vf tot 41 V)	70	0,40	105	100
1205	13	1050 (Vf tot 41 V)	43	0,32	105	100
1204	13	850 (Vf tot 41 V)	35	0,26	105	100
1204s	9	740 (Vf tot 41 V)	30,3	0,47	105	100
1203	9	570 (Vf tot 41 V)	23	0,36	105	100
1202s	6,5	380 (Vf tot 41 V)	15,5	0,47	105	100

Factories:



Additional Information:

EPRS 001 2014-12

Based on IEC 62717 Edition 1.0 2014-12

This report is based on IEC/PAS 62717 (First Edition), however the current version of the standard is IEC 62717:2014

Additional information (if necessary)

Information complémentaire (si nécessaire)



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