

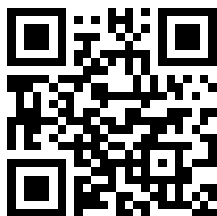
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ENEC-04791-P1-PLUS

Issue date

2024-10-17



This is to acknowledge that

SIGNIFY NETHERLANDS B.V.

HIGH TECH CAMPUS 48 EINDHOVEN 5656 AE NETHERLANDS

has had

Built-in LED Module

Fortimo SLM C (z)(cc) (d) (m) L(ee) (s) G(i) (a)

See page 2 for additional Information

evaluated and meets the requirements of the EPRS standard

PD EPRS 001:2018-05 (based on EN 62717:2017)

Test Report Nos. 4791288530.4.1_1 issued on 2024-10-11

ENEC License No.(Safety): ENEC-04756-M1 issued on 2024-08-22

Issued by ENEC Member Body: 15, UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark

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See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

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TECHNICAL DETAILS

Production site(s)

Trademark

PHILIPS

Ratings

SELV input, I_{max} 3680 mA === V_{max} 41 V

See page 3-4 for additional Ratings

Additional Information

This certificate replaces previous certificate no.
ENEC-04791-PLUS issued on 2024-02-29

Models (continued from page 1)

Product Key:

Main series: Fortimo SLM C (z)(cc) (d) (m) L(ee) (s) G(i) (a)

Where:

(z) = CRI divided by 10 (may be blank when d = "CED", or one digit, may be "7", "8", or "9");

(cc) = CCT divided by 100 (two digits or six characters (or blank when d = "CED"), may be a value between 22 and 65 (or "27-865" or "27-965" (when d = "TW")));

(d) = Flavour of light (two or three characters, may be "Px (x could be W, C, S, A or any character)" or "CW" or "FPR" or "FWW" or "FLS" or "FVF" or "FIS" or "CED" or "TW" or blank);

(m) = Die matrix (four digits, example 1216; chip configuration = 12 chips in series per string & 16 strings in parallels, (or blank when d = "CED"));

(ee) = Diameter of the Light Emitting Surface (LES) in millimeter (one or two digits, example 23: LES dimensions = 23 mm);

(s) = PCB size in mm (four digits, example 2828: CoB dimension = 28 mm x 28 mm);

(i) = Number of generation of CoB (one digit, may be "8");

(a) = Suffix for commercial purposes (optional)
*each of the brackets in product key are optional

Additional Ratings:

Maximum ratings of the series:

CoB Type (Die matrix)	Diameter of LES of CoB [mm]	CCT [K]	DC Current [mA]	Power [W]	Power Density of CoB [W/mm ²]	t _c [°C]
1309	15	≤ 4000	1000 (V _{f tot} 40V)	40	0,23	105
1319	23	≤ 4000	2000 (V _{f tot} 40V)	80	0,19	105
1201	6.5	≤ 5000	230 (V _{f tot} 41V)	9,4	0,28	105
1202	6.5	≤ 5000	460 (V _{f tot} 41V)	18,9	0,57	105
1202	6.5	≤ 5000	460 (V _{f tot} 41V)	18,9	0,57	105
1203	9.8	≤ 5000	690 (V _{f tot} 41V)	28,3	0,38	105
1203	9	≤ 5000	690 (V _{f tot} 41V)	28,3	0,44	105
1204	9.8	≤ 5000	920 (V _{f tot} 41V)	37,7	0,50	105
1204	9	≤ 5000	920 (V _{f tot} 41V)	37,7	0,59	105
1205	14.5	≤ 5000	1150 (V _{f tot} 41V)	47,2	0,29	105
1205	13	≤ 5000	1150 (V _{f tot} 41V)	47,2	0,36	105
1206	14.5	≤ 5000	1380 (V _{f tot} 41V)	56,6	0,34	105
1206	13	≤ 5000	1380 (V _{f tot} 41V)	56,6	0,43	105
1208	14.5	≤ 5000	1840 (V _{f tot} 41V)	75,4	0,46	105
1208	15	≤ 5000	1840 (V _{f tot} 41V)	75,4	0,43	105
1210	14.5	≤ 5000	2300 (V _{f tot} 41V)	94,3	0,57	105
1211	22	≤ 5000	2530 (V _{f tot} 41V)	103,7	0,27	105
1211	18.5	≤ 5000	2530 (V _{f tot} 41V)	103,7	0,39	105
1212	22	≤ 5000	2760 (V _{f tot} 41V)	113,2	0,30	105
1216	22	≤ 5000	3680 (V _{f tot} 41V)	150,9	0,40	105
1216	23	≤ 5000	3680 (V _{f tot} 41V)	150,9	0,36	105

Performance ratings:

CoB Type (Die matrix)	DC nominal Current [mA]	CCT [K]	T _p [°C]	Max luminous flux (lm)	Rated CRI	Max efficacy (lm/W)
1309	300	≤ 4000	50	2120	90	202
1319	600	≤ 4000	50	4240	90	202
1201	90	≤ 5000	50	545	80,90	176
1202	180	≤ 5000	65	1060	80,90	171
1202	200	≤ 5000	65	1175	80,90	170
1203	270	≤ 5000	65	1600	80,90	170
1203	300	≤ 5000	65	1790	80,90	172
1204	360	≤ 5000	65	2090	80,90	169

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1204	400	≤ 5000	65	2355	80,90	169
1205	450	≤ 5000	65	2810	80,90	181
1205	500	≤ 5000	65	3085	80,90	177
1206	540	≤ 5000	65	3340	80,90	180
1206	600	≤ 5000	65	3630	80,90	175
1208	720	≤ 5000	65	4335	80,90	175
1208	750	≤ 5000	65	4590	80,90	177
1210	900	≤ 5000	65	5395	80,90	174
1211	990	≤ 5000	65	6225	80,90	181
1211	1200	≤ 5000	65	7465	80,90	173
1212	1080	≤ 5000	65	6790	80,90	181
1216	1440	≤ 5000	65	8840	80,90	177
1216	1600	≤ 5000	65	9715	80,90	172
Ambient Temperature Range: -20 to +40 °C						

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FORM OF THE ENEC+ MARK



15 is the identification number of the Certification Body

Size of the mark:

The size of the mark may be reduced on the condition that it remains legible and that the ratio $b/a=1,7$ is kept