

## ENEC Certificate

This is to certify that:

Tridonic UK Limited  
House of Light  
Butchers Race  
Green Lane Industrial Estate  
Spennymoor  
DL16 6JE  
United Kingdom

Holds Certificate Number:

ENEC 36210

In respect of:

**Lamp Controlgear**  
**AC / DC supplied electronic controlgear for emergency and LED lighting**

(hereinafter called the certificate holder), having been assessed against the requirements of the CENELEC Agreement on the use of a commonly agreed Mark of Conformity for products complying with European standards (in short the ENEC Agreement), the right and Licence to use the commonly agreed Mark of Conformity for products shown below in respect of the goods particularly described in the Appendix bearing the same number as the certificate.

Goods shall be produced by the certificate holder only at the address given above in accordance with the relevant European Standard as detailed above. The Certificate is granted subject to the Specific Rules for the ENEC Agreement and the BSI Administration scheme.

For and on behalf of BSI:

  
Chris Lewis - Certification Director, Product Certification

First Issued: 1997-03-14

Latest Issue: 2017-12-13

Effective Date: 2017-12-13

Expiry Date: 2020-12-12



EUROPEAN  
NORMS  
ELECTRICAL  
CERTIFICATION



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# ENEC Certificate

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# ENEC Certificate

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## Section 1

### Combined Emergency Modules and Electronic Ballasts for T5/T8 Linear Lamps

BSI report 247/7216513 Rating 220-240 V 50/60Hz

Article Number	Tridonic Model No.	Lamps	Duration	Cells
89899875	PC 1x14-3 T5 Combo Ip	T5 1x14W	3hrs 1hr	3 cell NiCd or 3 cell NiMh
89899876	PC 2x14-3 T5 Combo Ip	T5 2x 14W	3hrs 1hr	3 cell NiCd or 3 cell NiMh
89899881	PC 1x21/28-5 T5 Combo Ip	T5 1x21/28W	3hrs 1hr	5 cell NiCd or 5 cell NiMh
89899882	PC 2x21/28-5 T5 Combo Ip	T5 2x21/28W	3hrs 1hr	5 cell NiCd or 5 cell NiMh
89899885	PC 1x35-6 T5 Combo Ip	T5 1x35W	3hrs 1hr	6 cell NiCd or 6 cell NiMh
89899886	PC 2x35-6 T5 Combo Ip	T5 3x35W	3hrs 1hr	6 cell NiCd or 6 cell NiMh
89899888	PC 2x49-5 T5 Combo Ip	T5 2x49W	3hrs 1hr	5 cell NiCd or 5 cell NiMh

BSI report 2413/8192039 Rating 220-240 V 50/60Hz

89899875	PC 1x14-3 T5 Combo Ip	T5 1x14W	3hrs 1hr	3 cell NiCd or 3 cell NiMh
89899881	PC 1x21/28-5 T5 Combo Ip	T5 1x21/28W	3hrs 1hr	5 cell NiCd or 3 cell NiMh
89899885	PC 1x35-6 T5 Combo Ip	T5 1x35W	3hrs 1hr	6 cell NiCd or 3 cell NiMh
89899876	PC 2x14-3 T5 Combo Ip	T5 2x14W	3hrs 1hr	3 cell NiCd or 3 cell NiMh
89899882	PC 2x21/28-5 T5 Combo Ip	T5 2x21/28W	3hrs 1hr	5 cell NiCd or 3 cell NiMh
89899886	PC 2x35-6 T5 Combo Ip	T5 2x35W	3hrs 1hr	6 cell NiCd or 3 cell NiMh
89899888	PC 2x49-5 T5 Combo Ip	T5 2x49W	3hrs 1hr	5 cell NiCd or 3 cell NiMh

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# ENEC Certificate

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## Section 1 (continued)

BSI report 2413/8225807 Rating 220-240 V 50/60Hz

Article Number	Tridonic Model No.	Lamps	Duration	Cells
89899879	PC 1x24-4 T5 Combo Ip	T5 1x24W	1hr 3hrs	4 cell NiCd or 4 cell NiMh 5 cell NiMh
89899887	PC 1x49-5 T5 Combo Ip	T5 1x49W	1hr 3hrs	5 cell NiCd or 5 cell NiMh
89899889	PC 1x54-6 T5 Combo Ip	T5 1x54W	1hr 3hrs	6 cell NiCd or 6 cell NiMh
89899891	PC 1x80-6 T5 Combo Ip	T5 1x80W	1hr 3hrs	6 cell NiCd or 6 cell NiMh
89899880	PC 2x24-4 T5 Combo Ip	T5 2x24W	1hr 3hrs	4 cell NiCd or 4 cell NiMh
89899890	PC 2x54-6 T5 Combo Ip	T5 2x54W	1hr 3hrs	6 cell NiCd or 6 cell NiMh

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# ENEC Certificate

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## Section 1 (continued)

BSI report 2413/8336153/1 of 2 & 2 of 2 Rating 230V (220-240) 50/60Hz

Article Number	Tridonic Model No.	Lamps	Duration	Cells
89800002	PC 3/4x14 / 33 T5 COMBO	T5 3/4x14W	3hrs	3 Cell 4Ah NiCd
89800003	PC 3/4x14 / 13 T5 COMBO	T5 3/4x14W	3hrs	3 Cell 4Ah NiCd
89899878	PC 3/4x24 / 34 T5 COMBO	T5 3/4x24W	3hrs	4 Cell 4Ah NiCd
89818236	PC 3/4x18 / 33 COMBO	T8 3/4x18W	3hrs	3 Cell 4Ah NiCd
89805250	PC 1x36 / 33 COMBO	T8 1x36W	3hrs	3 Cell 4Ah NiCd
89805268	PC 2x36 / 33 COMBO	T8 2x36W	3hrs	3 Cell 4Ah NiCd
89805270	PC 1x58 / 34 COMBO	T8 1x58W	3hrs	4 Cell 4Ah NiCd
89805272	PC 2x58 / 34 COMBO	T8 2x58W	3hrs	4 Cell 4Ah NiCd

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## Section 2

### Combined Emergency Modules and Electronic Ballasts for Compact Fluorescent Lamps

BSI test report 2413/8192045, Rating 230V (220-240) 50/60Hz tc +75°C Classification for building in

Article No.	Tridonic Model No.	Lamps	Duration	Cells
89899943	PC 1x28-33 LO DD COMBO	1 x 28W 2D	3hrs	3 cells 4Ah NiCd / NiMH
89899957	PC 1x28-33 HO DD COMBO	1 x 28W 2D	3hrs	3 cells 4Ah NiCd / NiMH
89899955	PC 1x28-34 LO DD COMBO	1 x 28W 2D	3hrs	4 cells 4Ah NiCd / NiMH
89899958	PC 1x28-34 HO DD COMBO	1 x 28W 2D	3hrs	4 cells 4Ah NiCd / NiMH
89899981	PC 1x38-34 LO DD COMBO	1 x 38W 2D	3hrs	4 cells 4Ah NiCd / NiMH
89899933	PC 1x38-34 HO DD COMBO	1 x 38W 2D	3hrs	4 cells 4Ah NiCd / NiMH
89899975	PC 1x38-35 HO DD COMBO	1 x 38W 2D	3hrs	5 cells 4Ah NiCd / NiMH
89899930	PC 2x26-4 TC COMBO	2 x 26W TCD 2 x 26W TCT	3hrs	4 cells 4Ah NiCd / NiMH

BSI test report 2413/8424304, Rating 230V (220-240) 50/60Hz tc +75°C Classification for building in

Article No.	Tridonic Model No.	Lamps	Duration	Cells
89899927	PC 1x18-4 TC COMBO	1 x 18W TCD 1 x 18W TCT	3hrs	4 cells 4Ah NiCd / NiMH
89899976	PC 1x26-4 TC COMBO	1 x 26W TCD 1 x 26W TCT	3hrs	4 cells 4Ah NiCd / NiMH
89899929	PC 1x26/32-5 TC COMBO	1 x 26W TCD/TCT 1 x 32W TCT	3hrs	5 cells 4Ah NiCd / NiMH
89899928	PC 2x18-4 TC COMBO	2 x 18W TCD 2 x 18W TCT	3hrs	4 cells 4Ah NiCd / NiMH

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## Section 2 (continued)

BSI test report 2413/8428119

Rating 230V (220-240) 50/60Hz tc +70°C Classification for building in

Article No.	Tridonic Model No.	Lamps	Duration	Cells
89899920	PC 1x36-3 TCL COMBO	TC-L 1x36W	3hrs	3 cells 4Ah NiCd / NiMH
89899922	PC 1x40-4 TCL COMBO	TC-L 1x40W	3hrs	4 cells 4Ah NiCd / NiMH
89899924	PC 1x55-5 TCL COMBO	TC-L 1x55W	3hrs	5 cells 4Ah NiCd / NiMH
89899921	PC 2x36-3 TCL COMBO	TC-L 2x36W	3hrs	3 cells 4Ah NiCd / NiMH
89899923	PC 2x40-4 TCL COMBO	TC-L 2x40W	3hrs	4 cells 4Ah NiCd / NiMH
89899925	PC 2x55-5 TCL COMBO	TC-L 2x55W	3hrs	5 cells 4Ah NiCd / NiMH

BSI test report 2413/7913295, (OVE report TGM-VA EE 32200c) and BSI test report 2413/8437230

Rating 230V (220-240) 50/60Hz tc +75°C Classification for building in

Article No.	Tridonic Model No.	Lamps	Duration	Cells
89899983	PC 1x26-3 TC COMBO	1x26W TCD 1x26W TCT	1hr / 3hrs	3 cell 4Ah NiCd / NiMH 3 cell 1.5Ah NiCd 3 cell 2Ah NiMH
89899982	PC 2x18-3 TC COMBO	2x18W TCD 2x18W TCT	1hr / 3hrs	3 cell 4Ah NiCd / NiMH 3 cell 1.5Ah NiCd 3 cell 2Ah NiMH
89899931	PC 1x26/32/42-6 TC COMBO	1x26W TCD/TCT 1x32W/42W TCT	1hr / 3hrs	6 cell 4Ah NiCd / NiMH 6 cell 1.5Ah NiCd 6 cell 2Ah NiMH
89899984	PC 2x26-3 TC COMBO	2x26W TCD 2x26W TCT	1hr / 3hrs	3 cell 4Ah NiCd / NiMH 3 cell 1.5Ah NiCd 3 cell 2Ah NiMH

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## Section 2 (continued)

BSI test report 2413/8455346

Rating 230V (220-240) 50/60Hz tc +70°C or +75°C Classification for building in

Article No.	Tridonic Model No.	Lamp	Duration	Battery
89899990	PC 1x18-3 TC COMBO	1x18W TCD 1x18W TCT	1hr 1hr 3hrs	3 cells 1.6Ah NiCd 3 cells 2Ah NiMH 3 cells 4Ah NiCd / NiMH
89899989	PC 2x26/32/42-6 TC COMBO	2x26/32/42W TCT	1hr 1hr 3hrs	6 cells 1.6Ah NiCd 6 cells 2Ah NiMH 6 cells 4Ah NiCd / NiMH
89899883	PC 1x39-5 T5 Combo Ip	T5 1x39W	1hr 1hr 3hrs	5 cells 1.6Ah NiCd 5 cells 2Ah NiMH 5 cells 4Ah NiCd
89899884	PC 2x39-5 T5 Combo Ip	T5 2x39W	1hr 1hr 3hrs	5 cells 1.6Ah NiCd 5 cells 2Ah NiMH 5 cells 4Ah NiCd
89899926	PC 1x16-33 HO DD COMBO	1x16W 2D	3hrs	3 cells 4Ah NiCd / NiMH
89899998	PC 2x26/32-5 TC COMBO	2x26W TCD 2x26/32W TCT	1hr 1hr 3hrs	5 cells 1.6Ah NiCd 5 cells 2Ah NiMH 5 cells 4Ah NiCd / NiMH

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## Section 3

### Self-Test and DALI Emergency Lighting Modules

BSI Report 247/7557673/ 1 of 2 & 247/7557673/ 2 of 2

Article Number	Tridonic Model No.	Duration	Cells	Voltage (V)	Freq. (Hz)
89800019	EM 14 HO PRO EZ-3	1hr	4	220-240	50/60
89800020	EM 15 HO PRO EZ-3	1hr	5	220-240	50/60
89800021	EM 16 HO PRO EZ-3	1hr	6	220-240	50/60
89800022	EM 34 PRO EZ-3	3hrs	4	220-240	50/60
89800023	EM 35 PRO EZ-3	3hrs	5	220-240	50/60
89800024	EM 36 PRO EZ-3	3hrs	6	220-240	50/60
89800025	EM 14 PRO EZ-3	1hr	4	220-240	50/60
89800026	EM 15 PRO EZ-3	1hr	5	220-240	50/60
89800027	EM 16 PRO EZ-3	1hr	6	220-240	50/60
89800037	EM 34 BASIC LP2	3hrs	4	220-240	50/60
89800038	EM 35 BASIC LP2	3hrs	5	220-240	50/60
89800039	EM 36 BASIC LP2	3hrs	6	220-240	50/60
89800040	EM 14 BASIC LP2	1hr	4	220-240	50/60
89800041	EM 15 BASIC LP2	1hr	5	220-240	50/60
89800042	EM 16 BASIC LP2	1hr	6	220-240	50/60
89800064	EM 34 PRO EZ-3 TX	3hrs	4	220-240	50/60

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## Section 3 (continued)

Article Number	Tridonic Model No.	Duration	Cells	Voltage (V)	Freq. (Hz)
89800065	EM 35 PRO EZ-3 TX	3hrs	5	220-240	50/60
89800066	EM 36 PRO EZ-3 TX	3hrs	6	220-240	50/60
89899680	EM 34 ST	3hrs	4	220-240	50/60
89899681	EM 35 ST	3hrs	5	220-240	50/60
89899682	EM 36 ST	3hrs	6	220-240	50/60
89899683	EM 14 ST	1hr	4	220-240	50/60
89899684	EM 15 ST	1hr	5	220-240	50/60
89899685	EM 16 ST	1hr	6	220-240	50/60
89899686	EM 14 HO ST	1hr	4	220-240	50/60
89899687	EM 15 HO ST	1hr	5	220-240	50/60
89899688	EM 16 HO ST	1hr	6	220-240	50/60
89899734	EM 34 NiCd D IF	3hrs	4	220-240	50/60
89899735	EM 14 NiCd C IF	1hr	4	220-240	50/60
89899737	EM 35 NiCd D IF	3hrs	5	220-240	50/60
89899738	EM 15 NiCd C IF	1hr	5	220-240	50/60
89899740	EM 36 NiCd D IF	3hrs	6	220-240	50/60
89899741	EM 16 NiCd C IF	1hr	6	220-240	50/60
89899761	EM 34 BASIC LP	3hrs	4	220-240	50/60

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## Section 3 (continued)

Article Number	Tridonic Model No.	Duration	Cells	Voltage (V)	Freq. (Hz)
89899762	EM 35 BASIC LP	3hrs	5	220-240	50/60
89899763	EM 36 BASIC LP	3hrs	6	220-240	50/60
89899764	EM 14 BASIC LP	1hr	4	220-240	50/60
89899765	EM 15 BASIC LP	1hr	5	220-240	50/60
89899766	EM 16 BASIC LP	1hr	6	220-240	50/60
89899827	EM 34 PRO EZ	3hrs	4	220-240	50/60
89899828	EM 35 PRO EZ	3hrs	5	220-240	50/60
89899829	EM 36 PRO EZ	3hrs	6	220-240	50/60
89899830	EM 14 PRO EZ	1hr	4	220-240	50/60
89899831	EM 15 PRO EZ	1hr	5	220-240	50/60
89899832	EM 16 PRO EZ	1hr	6	220-240	50/60
89899833	EM 14 HO PRO EZ	1hr	4	220-240	50/60
89899834	EM 15 HO PRO EZ	1hr	5	220-240	50/60
89899835	EM 16 HO PRO EZ	1hr	6	220-240	50/60
89899871	EM 34 PRO EZ TX	3hrs	4	220-240	50/60
89899872	EM 35 PRO EZ TX	3hrs	5	220-240	50/60
89899873	EM 36 PRO EZ TX	3hrs	6	220-240	50/60
89899960	EM 34 PRO EZ-2	3hrs	4	220-240	50/60
89899961	EM 35 PRO EZ-2	3hrs	5	220-240	50/60

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## Section 3 (continued)

Article Number	Tridonic Model No.	Duration	Cells	Voltage (V)	Freq. (Hz)
89899962	EM 36 PRO EZ-2	3hrs	6	220-240	50/60
89899963	EM 14 PRO EZ-2	1hr	4	220-240	50/60
89899964	EM 15 PRO EZ-2	1hr	5	220-240	50/60
89899965	EM 16 PRO EZ-2	1hr	6	220-240	50/60

BSI test report 2408/7752398 1 of 2 & 247/7752398 2 of 2 Tc 70°C

89800095	EM 26 PRO EZ-3 AU	2/1.5 hrs	6	220-240	50/60
89800093	EM 24 PRO EZ-3 AU	2/1.5 hrs	4	220-240	50/60
89800094	EM 25 PRO EZ-3 AU	2/1.5 hrs	5	220-240	50/60
89800019	EM 14 HO PRO EZ-3	1hr	4	220-240	50/60
89800020	EM 15 HO PRO EZ-3	1hr	5	220-240	50/60
89800021	EM 16 HO PRO EZ-3	1hr	6	220-240	50/60
89800022	EM 34 PRO EZ-3	3hrs	4	220-240	50/60
89800023	EM 35 PRO EZ-3	3hrs	5	220-240	50/60
89800024	EM 36 PRO EZ-3	3hrs	6	220-240	50/60
89800025	EM 14 PRO EZ-3	1hr	4	220-240	50/60
89800026	EM 15 PRO EZ-3	1hr	5	220-240	50/60
89800027	EM 16 PRO EZ-3	1hr	6	220-240	50/60
89800037	EM 34 BASIC LP 2	3hrs	4	220-240	50/60
89800038	EM 35 BASIC LP 2	3hrs	5	220-240	50/60

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## Section 3 (continued)

Article Number	Tridonic Model No.	Duration	Cells	Voltage (V)	Freq. (Hz)
89800039	EM 36 BASIC LP 2	3hrs	6	220-240	50/60
89800040	EM 14 BASIC LP 2	1hr	4	220-240	50/60
89800041	EM 15 BASIC LP 2	1hr	5	220-240	50/60
89800042	EM 16 BASIC LP 2	1hr	6	220-240	50/60
89800064	EM 34 PRO EZ-3 TX	3hrs	4	220-240	50/60
89800065	EM 35 PRO EZ-3 TX	3hrs	4	220-240	50/60
89800066	EM 36 PRO EZ-3 TX	3hrs	6	220-240	50/60
89899680	EM 34 ST	3hrs	4	220-240	50/60
89899681	EM 35 ST	3hrs	5	220-240	50/60
89899682	EM 36 ST	3hrs	6	220-240	50/60
89899683	EM 14 ST	1hr	4	220-240	50/60
89899684	EM 15 ST	1hr	5	220-240	50/60
89899685	EM 16 ST	1hr	6	220-240	50/60
89899686	EM 14 HO ST	1hr	4	220-240	50/60
89899687	EM 15 HO ST	1hr	5	220-240	50/60
89899688	EM 15 HO ST	1hr	6	220-240	50/60
89899734	EM 34 NiCd C IF	3hrs	4	220-240	50/60
89899735	EM 14 NiCd C IF	1hr	4	220-240	50/60
89899737	EM 35 NiCd C IF	3hrs	5	220-240	50/60

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# ENEC Certificate

No. ENEC 36210

## Section 3 (continued)

Article Number	Tridonic Model No.	Duration	Cells	Voltage (V)	Freq. (Hz)
89899738	EM 15 NiCd C IF	1hr	5	220-240	50/60
89899740	EM 36 NiCd C IF	3hrs	6	220-240	50/60
89899741	EM 16 NiCd C IF	1hr	6	220-240	50/60
89899761	EM 34 BASIC LP	3hrs	4	220-240	50/60
89899762	EM 35 BASIC LP	3hrs	5	220-240	50/60
89899763	EM 36 BASIC LP	3hrs	6	220-240	50/60
89899764	EM 14 BASIC LP	1hr	4	220-240	50/60
89899765	EM 15 BASIC LP	1hr	5	220-240	50/60
89899766	EM 16 BASIC LP	1hr	6	220-240	50/60
89899827	EM 34 PRO EZ	3hrs	4	220-240	50/60
89899828	EM 35 PRO EZ	3hrs	5	220-240	50/60
89899829	EM 36 PRO EZ	3hrs	6	220-240	50/60
89899830	EM 14 PRO EZ	1hr	4	220-240	50/60
89899831	EM 15 PRO EZ	1hr	5	220-240	50/60
89899832	EM 16 PRO EZ	1hr	6	220-240	50/60
89899833	EM 14 HO PRO EZ	1hr	4	220-240	50/60
89899834	EM 15 HO PRO EZ	1hr	5	220-240	50/60
89899835	EM 16 HO PRO EZ	1hr	6	220-240	50/60

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# ENEC Certificate

No. ENEC 36210

## Section 3 (continued)

Article Number	Tridonic Model No.	Duration	Cells	Voltage (V)	Freq. (Hz)
89899871	EM 34 PRO EZ TX	3hrs	4	220-240	50/60
89899872	EM 35 PRO EZ TX	3hrs	5	220-240	50/60
89899873	EM 36 PRO EZ TX	3hrs	6	220-240	50/60
89899960	EM 34 PRO EZ-2	1hr	6	220-240	50/60
89899961	EM 35 PRO EZ-2	1hr	4	220-240	50/60
89899962	EM 36 PRO EZ-2	1hr	5	220-240	50/60
89899963	EM 14 PRO EZ-2	1hr	4	220-240	50/60
89899964	EM 15 PRO EZ-2	1hr	5	220-240	50/60
89899965	EM 16 PRO EZ-2	1hr	6	220-240	50/60

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# ENEC Certificate

No. ENEC 36210

## Section 4

### Emergency Modules

EMBasic Emergency modules

BSI test report 2413/7843798 1 of 2 & 2413/7843798 2 of 2 Tc 75°C

Article Number	Tridonic Model No.	Duration	Cells	Voltage (V)	Freq. (Hz)
89895971	EM 13B BASIC	1hr	3	230 (220-240)	50/60
89899864	EM 13E BASIC	1hr	3	230 (220-240)	50/60
89818556	EM 33A BASIC	3hrs	3	230 (220-240)	50/60
89818655	EM 33B BASIC	3hrs	3	230 (220-240)	50/60
89800000	EM 33C BASIC	3hrs	3	230 (220-240)	50/60
89899611	EM 14B BASIC	1hr	4	230 (220-240)	50/60
89800118	EM 14C BASIC	1hr	4	230 (220-240)	50/60
89818557	EM 34A BASIC	3hrs	4	230 (220-240)	50/60
89818662	EM 34B BASIC	3hrs	4	230 (220-240)	50/60
89800107	EM 34C BASIC	3hrs	4	230 (220-240)	50/60
89800175	EM 34D BASIC	3hrs	4	230 (220-240)	50/60
89818581	EM 35A BASIC	3hrs	5	230 (220-240)	50/60
89818667	EM 35B BASIC	3hrs	5	230 (220-240)	50/60
89800001	EM 35C BASIC	3hrs	5	230 (220-240)	50/60
89899621	EM 35D BASIC	3hrs	5	230 (220-240)	50/60
89800119	EM 16C BASIC	1hr	6	230 (220-240)	50/60

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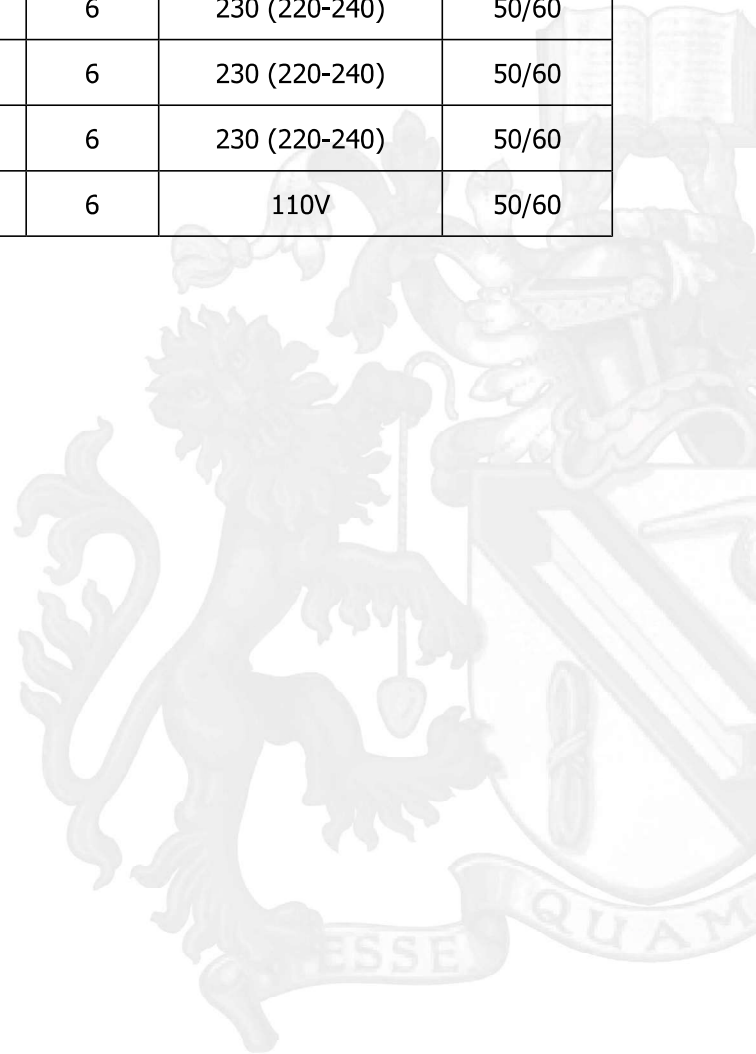


# ENEC Certificate

No. ENEC 36210

## Section 4 (continued)

Article Number	Tridonic Model No.	Duration	Cells	Voltage (V)	Freq. (Hz)
9800120	EM 16C HO BASIC	1hr	6	230 (220-240)	50/60
89808654	EM 36A BASIC	3hrs	6	230 (220-240)	50/60
89800108	EM 36C BASIC	3hrs	6	230 (220-240)	50/60
89800109	EM 36C HO BASIC	3hrs	6	230 (220-240)	50/60
89899821	EM 34B BASIC 110V	3hrs	6	110V	50/60



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# ENEC Certificate

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## Section 4 (continued)

EMBasic Emergency modules

BSI test report 2413/8024738 1 of 2 & 2413/8024738 2 of 2 Tc 70°C

Article No	Model number	Lamps	Duration	Cells
89800199	EM 03 Basic LP G2	*	1hr 3hrs	3 cells C's NiCd / NiMh 3 cells D NiCd
89800202	EM 04 Basic LP G2	*	1hr 3hrs	4 cells C's NiCd / NiMh 4 cells D NiCd
89800205	EM 05 Basic LP G2	*	1hr 3hrs	5 cells C's NiCd / NiMh 5 cells D NiCd
89800208	EM 06 Basic LP G2	*	1hr 3hrs	6 cells C's NiCd / NiMh 6 cells D NiCd
89800198	EM 03 ST G2	*	1hr 3hrs	3 cells C's NiCd / NiMh 3 cells D NiCd
89800201	EM 04 ST G2	*	1hr 3hrs	4 cells C's NiCd / NiMh 4 cells D NiCd
89800204	EM 05 ST G2	*	1hr 3hrs	5 cells C's NiCd / NiMh 5 cells D NiCd
89800207	EM 06 ST G2	*	1hr 3hrs	6 cells C's NiCd / NiMh 6 cells D NiCd
89800197	EM 03 PRO G2	*	1hr 3hrs	3 cells C's NiCd / NiMh 3 cells D NiCd
89800200	EM 04 PRO G2	*	1hr 3hrs	4 cells C's NiCd / NiMh 4 cells D NiCd
89800203	EM 05 PRO G2	*	1hr 3hrs	5 cells C's NiCd / NiMh 5 cells D NiCd
89800206	EM 06 PRO G2	*	1hr 3hrs	6 cells C's NiCd / NiMh 6 cells D NiCd

\*See data sheet for lamps per module type (Types listed T5, T8, TC-DEL / SEL / TEL, TC-F / -L, TC-DD, T5c

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# ENEC Certificate

No. ENEC 36210

## Section 4 (continued)

BSI test report 2413/8165795 1 of 2 & 2413/8165795 2 of 2  
Rating 220-240 50/60Hz tc +70°C ta + 60°C Classification for building in

Article No	Model number	Lamps	Duration	Cells
89800344	EM 03 Basic LP NiMh G2	*	1hr 3hrs	3 cells 2Ah NiMh 3 cells 4Ah NiMh
89800345	EM 04 Basic LP NiMh G2	*	1hr 3hrs	4 cells 2Ah NiMh 4 cells 4Ah NiMh
89800346	EM 05 Basic LP NiMh G2	*	1hr 3hrs	5 cells 2Ah NiMh 5 cells 4Ah NiMh
89800347	EM 06 Basic LP NiMh G2	*	1hr 3hrs	6 cells 2Ah NiMh 6 cells 4Ah NiMh
89800336	EM 03 ST NiMh G2	*	1hr 3hrs	3 cells 2Ah NiMh 3 cells 4Ah NiMh
89800337	EM 04 ST NiMh G2	*	1hr 3hrs	4 cells 2Ah NiMh 4 cells 4Ah NiMh
89800338	EM 05 ST NiMh G2	*	1hr 3hrs	5 cells 2Ah NiMh 5 cells 4Ah NiMh
89800339	EM 06 ST NiMh G2	*	1hr 3hrs	6 cells 2Ah NiMh 6 cells 4Ah NiMh
89800332	EM 03 PRO NiMh G2	*	1hr 3hrs	3 cells 2Ah NiMh 3 cells 4Ah NiMh
89800333	EM 04 PRO NiMh G2	*	1hr 3hrs	4 cells 2Ah NiMh 4 cells 4Ah NiMh
89800334	EM 05 PRO NiMh G2	*	1hr 3hrs	5 cells 2Ah NiMh 5 cells 4Ah NiMh
89800335	EM 06 PRO NiMh G2	*	1hr 3hrs	6 cells 2Ah NiMh 6 cells 4Ah NiMh

\*See data sheet for lamps per module type (Types listed T5, T8, TC-DEL / SEL / TEL, TC-F / -L, TC-DD, T5c

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# ENEC Certificate

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## Section 4 (continued)

BSI test report 2413/8153056 1 of 2 & 2413/8153056 2 of 2  
Rating 220-240 50/60Hz tc +70°C ta + 60°C Classification for building in

Article No	Model number	Lamps	Duration	Cells
89800229	EM 13 HO ST G2	*	1hr	3 cells D NiCd
89800232	EM 14 HO ST G2	*	1hr	4 cells D NiCd
89800235	EM 15 HO ST G2	*	1hr	5 cells D NiCd
89800238	EM 16 HO ST G2	*	1hr	6 cells D NiCd
89800228	EM 13 HO PRO G2	*	1hr	3 cells D NiCd
89800231	EM 14 HO PRO G2	*	1hr	4 cells D NiCd
89800234	EM 15 HO PRO G2	*	1hr	5 cells D NiCd
89800237	EM 16 HO PRO G2	*	1hr	6 cells D NiCd
89800240	EM 23 PRO G2	*	2hrs	3 cells D NiCd
89800242	EM 24 PRO G2	*	2hrs	4 cells D NiCd
89800244	EM 25 PRO G2	*	2hrs	5 cells D NiCd
89800246	EM 26 PRO G2	*	2hrs	6 cells D NiCd

BSI test report 2413/8183456 1 of 2 & 2413/8183456 2 of 2  
Rating 220-240 50/60Hz tc +70°C ta + 60°C Classification for building in

Article No	Model number	Lamps	Duration	Cells
89800340	EM 13 HO ST NiMH G2	*	1hr	3 cells NiMH
89800341	EM 14 HO ST NiMH G2	*	1hr	4 cells NiMH
89800343	EM 15 HO ST NiMH G2	*	1hr	6 cells NiMH
89800348	EM 23 PRO NiMH G2	*	2hrs	3 cells NiMH
89800349	EM 24 PRO NiMH G2	*	2hrs	4 cells NiMH
89800350	EM 25 PRO NiMH G2	*	2hrs	5 cells NiMH
89800351	EM 26 PRO NiMH G2	*	2hrs	6 cells NiMH

\*See data sheet for lamps per module type (Types listed T5, T8, TC-DEL / SEL / TEL, TC-F / -L, TC-DD, T5c)

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# ENEC Certificate

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## Section 4 (continued)

EM mini Basic Emergency modules  
BSI test report 247/7141666 Tc +60°C Classification for building in

Article No.	Tridonic Model No.	Duration	Cells	Voltage (V)	Freq. (Hz)
89899951	EM33A Lamp 28W 2D	3hrs	3	230 (220 – 240)	50/60
89899950	EM34A Lamps 18, 26W TC-D, 28W T5c, 36W TC-F	3hrs	4	230 (220 – 240)	50/60
89899952	EM34C Lamp 38W 2D	3hrs	4	230 (220 – 240)	50/60

BSI test report 247/4837226 Tc +70°C Classification for building in

Article number	Tridonic Model No.	Duration	Cells	Voltage (V)	Freq. (Hz)
89899822	EM 14/24-4 T5	3hrs	4	220-240	50/60
89899823	EM 21/28/49-5 T5	3hrs	5	220-240	50/60
89899824	EM 39-5 T5	3hrs	5	220-240	50/60
89899825	EM 35-6 T5	3hrs	6	220-240	50/60
89899826	EM 54/80-6 T5	3hrs	6	220-240	50/60

For use with T5 lamps 14W, 21W, 28W, 34W, 35W, 39W, 49W, 54W, 80W

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## Section 4 (continued)

EM mini Basic Emergency modules

BSI test report 2413/8316765 Tc +75°C Classification for building in

Article number	Tridonic Model No.	Duration	Cells	Voltage (V)	Freq. (Hz)
89800108	EM 36C BASIC	3hrs	6 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89800109	EM 36C HO BASIC	3hrs	6 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89818654	EM 36A BASIC	3hrs	6 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89899621	EM 35D BASIC	3hrs	5 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89800001	EM 35C BASIC	3hrs	5 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89818667	EM 35B BASIC	3hrs	5 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89800175	EM 34D BASIC	3hrs	4 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89818581	EM 35A BASIC	3hrs	5 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89818662	EM 34B BASIC	3hrs	4 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89800107	EM 34C BASIC	3hrs	4 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89818557	EM 34A BASIC	3hrs	4 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89818655	EM 33B BASIC	3hrs	3 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89818556	EM 33A BASIC	3hrs	3 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89899611	EM 14B BASIC	3hrs	4 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89899821	EM 34B BASIC 110V	3hrs	4 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89800120	EM 16C HO BASIC	3hrs	6 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60

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# ENEC Certificate

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## Section 4 (continued)

EM mini Basic Emergency modules

BSI test report 2413/8316765 continued

Article number	Tridonic Model No.	Duration	Cells	Voltage (V)	Freq. (Hz)
89800000	EM 33C BASIC	3hrs	3 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89800119	EM 16C BASIC	3hrs	6 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89899864	EM 13E BASIC	3hrs	3 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89800118	EM 14C BASIC	3hrs	4 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60
89895971	EM 13B BASIC	3hrs	3 cells 4Ah NiMh	230 (220 – 240) or 110V	50/60

BSI test report 2413/8318052

Article number	Tridonic Model No.	Duration	Cells	Voltage (V)	Freq. (Hz)
89899951	EM 33A MINI BASIC	3hrs	3 cells 4Ah NiCd	230 (220 – 240) or 110V	50/60
89899950	EM 34A MINI BASIC	3hrs	4 cells 4Ah NiCd	230 (220 – 240) or 110V	50/60
89899952	EM 34C MINI BASIC	3hrs	4 cells 4Ah NiCd	230 (220 – 240) or 110V	50/60

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# ENEC Certificate

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## Section 5

### Combined Emergency Modules and Electronic Ballasts for LEDs

BSI Test Report 2413/7843800/ 1 of 2 & 2413/7843800 2 of 2  
Ta +70°C Classification for building in

Article Number	Tridonic Model Number	Duration	Cells	Voltage (V)	Freq
89800029	EMpowerLED 1 W PRO EZ-3	1/2/3 hrs	2/3	220 – 240	50/60 Hz
89800031	EMpowerLED 1 W PRO EZ-3	1/2/3 hrs	2/3	220 – 240	50/60 Hz
89800030	EMpowerLED 2 W PRO EZ-3	1/2/3 hrs	3/4/5	220 – 240	50/60 Hz
89800032	EMpowerLED 2 W PRO EZ-3	1/2/3 hrs	3/4/5	220 – 240	50/60 Hz
89800034	EMpowerLED 1 W ST	1/2/3 hrs	2/3	220 – 240 V	50/60 Hz
89800035	EMpowerLED 1 W BASIC	1/2/3 hrs	2/3	220 – 240 V	50/60 Hz
89800111	EMpowerLED 1 W 3H BASIC	3hrs	3	220 – 240 V	50/60 Hz
89800112	EMpowerLED 1 W 3H BASIC	3hrs	3	220 – 240 V	50/60 Hz
89899971	EMpowerLED 1 W PRO-2	1/2/3 hrs	2/3	220 – 240	50/60 Hz
89899973	EMpowerLED 1 W PRO-2	1/2/3 hrs	2/3	220 – 240	50/60 Hz
89899972	EMpowerLED 2 W PRO-2	1/2/3 hrs	3/4/5	220 – 240	50/60 Hz

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## Section 5 (continued)

Article Number	Tridonic Model Number	Duration	Cells	Voltage (V)	Freq
89899974	EMpowerLED 2 W PRO-2	1/2/3 hrs	3/4/5	220 – 240	50/60 Hz
89899862	EMpowerLED 1 W PRO	1/2/3 hrs	2/3	220 – 240	50/60 Hz
89899869	EMpowerLED 1 W PRO	1/2/3 hrs	3/4/5	220 – 240	50/60 Hz
89899863	EMpowerLED 2 W PRO	1/2/3 hrs	3/4/5	220 – 240	50/60 Hz
89899870	EMpowerLED 2 W PRO	1/2/3 hrs	3/4/5	220 – 240	50/60 Hz
89899860	EMpowerLED 1 W ST	1/2/3 hrs	2/3	220 – 240	50/60 Hz
89899867	EMpowerLED 1 W ST	1/2/3 hrs	2/3	220 – 240	50/60 Hz
89899861	EMpowerLED 2 W ST	1/2/3 hrs	3/4/5	220 – 240	50/60 Hz
89899868	EMpowerLED 2 W ST	1/2/3 hrs	3/4/5	220 – 240	50/60 Hz
89899858	EMpowerLED 1 W BASIC	1/2/3 hrs	2/3	220 – 240	50/60 Hz
89899865	EMpowerLED 1 W BASIC	1/2/3 hrs	2/3	220 – 240	50/60 Hz
89899859	EMpowerLED 2 W BASIC	1/2/3 hrs	3/4/5	220 – 240	50/60 Hz
89899866	EMpowerLED 2 W BASIC	1/2/3 hrs	3/4/5	220 – 240	50/60 Hz

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# ENEC Certificate

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## Section 5 (continued)

BSI Test Report 2413/7870508/1 of 2 & 2413/7870508/2 of 2 Ta +75°C Classification for building in

Article Number	Tridonic Model Number	Duration	Cells	Voltage (V)	Freq
89800174	EMpowerLED 15W Basic CLE NiMh	3hrs	3 - 2Ah	230V (220 – 240)	50/60 Hz
89800176	EMpowerLED 15W Basic CLE NiCd	3hrs	3 -1.5/1.6Ah	230V (220 – 240)	50/60 Hz
89800177	EMpowerLED 15W Basic CPS	N/A	N/A	230V (220 – 240)	50/60 Hz

BSI Test Report 2413/7914198/ 1 of 2 & 2413/7914198/ 2 of 2 Ta +70°C Classification for building in

Article No.	Tridonic Model No.	Duration	Cells	Voltage (V)	Freq
89800126	EMpowerLED 4W PRO EZ-3	1 / 2 / 3 hrs	5 – 4Ah 5 – 2Ah	220-240V	50/60 Hz
89800125	EMpowerLED 4W PRO EZ-3	1 / 2 / 3 hrs	5 – 4Ah 5 – 2Ah	220-240V	50/60 Hz
89800124	EMpowerLED 4W ST	1 / 2 / 3 hrs	5 – 4Ah 5 – 2Ah	220-240V	50/60 Hz
89800123	EMpowerLED 4W ST	1 / 2 / 3 hrs	5 – 4Ah 5 – 2Ah	220-240V	50/60 Hz
89800122	EMpowerLED 4W BASIC	1 / 2 / 3 hrs	5 – 4Ah 5 – 2Ah	220-240V	50/60 Hz
89800121	EMpowerLED 4W BASIC	1 / 2 / 3 hrs	5 – 4Ah 5 – 2Ah	220-240V	50/60 Hz

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## Section 5 (continued)

BSI Test Report 2413/8254406/1 of 2 & 2413/8254406/2 of 2 Ta +70°C Classification for building in

Article No.	Tridonic Model Number	Duration	Cells	Voltage (V)	Freq
89899865	EMpowerLED 1W BASIC	2hrs & 3hrs 1hr	3 cells 2Ah NiMh 2 cells 2Ah NiMh	220 – 240	50/60 Hz
89899867	EMpowerLED 1W ST	2hrs & 3hrs 1hr	3 cells 2Ah NiMh 2 cells 2Ah NiMh	220 – 240	50/60 Hz
89899858	EMpowerLED 1W BASIC	2hrs & 3hrs 1hr	3 cells 2Ah NiMh 2 cells 2Ah NiMh	220 – 240	50/60 Hz
89899860	EMpowerLED 1W ST	2hrs & 3hrs 1hr	3 cells 2Ah NiMh 2 cells 2Ah NiMh	220 – 240	50/60 Hz
89800031	EMpowerLED 1W PRO EZ-3	2hrs & 3hrs 1hr	3 cells 2Ah NiMh 2 cells 2Ah NiMh	220 – 240	50/60 Hz
89800029	EMpowerLED 1W PRO EZ-3	2hrs & 3hrs 1hr	3 cells 2Ah NiMh 2 cells 2Ah NiMh	220 – 240	50/60 Hz
89899866	EMpowerLED 2W BASIC	2hrs & 3hrs 1hr	3 cells 2Ah NiMh 2 cells 2Ah NiMh	220 – 240	50/60 Hz
89899859	EMpowerLED 2W BASIC	3hrs 2hrs 1hr	5 cells 2Ah NiMh 4 cells 2Ah NiMh 3 cells 2Ah NiMh	220 – 240	50/60 Hz
89899868	EMpowerLED 2W ST	3hrs 2hrs 1hr	5 cells 2Ah NiMh 4 cells 2Ah NiMh 3 cells 2Ah NiMh	220 – 240	50/60 Hz
89899861	EMpowerLED 2W ST	3hrs 2hrs 1hr	5 cells 2Ah NiMh 4 cells 2Ah NiMh 3 cells 2Ah NiMh	220 – 240	50/60 Hz

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## Section 5 (continued)

Article Number	Tridonic Model Number	Duration	Cells	Voltage (V)	Freq
89800032	EMpowerLED 2W PRO EZ-3	3hrs 2hrs 1hr	5 cells 2Ah NiMh 4 cells 2Ah NiMh 3 cells 2Ah NiMh	220 – 240	50/60 Hz
89800121	EMpowerLED 4W BASIC	1hr, 2hrs, 3hrs	5 cells 4Ah NiCd	220 – 240	50/60 Hz
89800122	EMpowerLED 4W basic	2hrs, 3hrs 1hr	5 cells 4Ah NiCd 5 cells 1.6Ah NiCd	220 – 240	50/60 Hz
89800123	EMpowerLED 4W ST	2hrs, 3hrs 1hr	5 cells 4Ah NiCd 5 cells 1.6Ah NiCd	220 – 240	50/60 Hz
89800124	EMpowerLED 4W ST	2hrs, 3hrs 1hr	5 cells 4Ah NiCd 5 cells 1.6Ah NiCd	220 – 240	50/60 Hz
89800125	EMpowerLED 4W PRO EZ-3	2hrs, 3hrs 1hr	5 cells 4Ah NiCd 5 cells 1.6Ah NiCd	220 – 240	50/60 Hz
89800126	EMpowerLED 4W PRO EZ-3	2hrs, 3hrs 1hr	5 cells 4Ah NiCd 5 cells 1.6Ah NiCd	220 – 240	50/60 Hz
89800444	EMpowerLED 4W BASIC NiMh	2hrs, 3hrs 1hr	5 cells 4Ah NiMh 5 cells 2Ah NiMh	220 – 240	50/60 Hz
89800445	EMpowerLED 4W ST NiMh	2hrs, 3hrs 1hr	5 cells 4Ah NiMh 5 cells 2Ah NiMh	220 – 240	50/60 Hz
89800446	EMpowerLED 4W PRO EZ-3 NiMh	2hrs, 3hrs 1hr	5 cells 4Ah NiMh 5 cells 2Ah NiMh	220 – 240	50/60 Hz
89800112	EMpowerLED NM 1W 3H BASIC	Non maintained	3 cells 2Ah NiMh or 3 cells 1.5/1.6Ah NiCd	220 – 240	50/60 Hz
89800111	EMpowerLED NM 1W 3H BASIC	Non maintained	3 cells 2Ah NiMh or 3 cells 1.5/1.6Ah NiCd	220 – 240	50/60 Hz

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# ENEC Certificate

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## Section 5 (continued)

BSI Test Report 2413/8254529/ 1 of 4 to 4 of 4 For Built in and Independent Installation

Article No.	Tridonic Model Number	Duration	Cells	Voltage (V)	Freq
89800412	EMpowerLED BASIC FX 104 SR 50W 50V	3hrs 1hr	4 cells 4Ah NiCd/NiMh 4 cells 1.6/2.0Ah NiCd/NiMh	220 – 240	50/60 Hz
89800430	EMpowerLED BASIC FX 103 SR 50W 50V	3hrs 1hr	3 cells 4Ah NiCd/NiMh 3 cells 1.6/2.0Ah NiCd/NiMh	220 – 240	50/60 Hz
89800411	EMpowerLED BASIC FX 104 C 50W 50V	3hrs 1hr	4 cells 4Ah NiCd/NiMh 4 cells 1.6/2.0Ah NiCd/NiMh	220 – 240	50/60 Hz
89800429	EMpowerLED BASIC FX 103 C50W 50V	3hrs 1hr	3 cells 4Ah NiCd/NiMh 3 cells 1.6/2.0Ah NiCd/NiMh	220 – 240	50/60 Hz

BSI Test Report 2413/8422813/ 1 of 2 & 2 of 2 For Building in

Article No.	Tridonic Model Number	Duration	Cells	Voltage (V)	Freq
89800492	EMpowerLED 3W PRO TX	3hrs	4 cells 4Ah NiMh	220 – 240	50/60 Hz
89800510	EMpowerLED 3W PRO TX	3hrs	4 cells 4Ah NiMh	220 – 240	50/60 Hz

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## Section 5 (continued)

BSI Test Report 2413/8488254/1 of 4 to 4 of 4 For Built in and Independent Installation  
Category tc 75°C ta +50°C Pout <40W or ta +45°C Pout >40W. Rated 220 – 240 (V) 50/60 Hz

Article No.	Tridonic Model Number	Duration	Cells
89800431	EMpowerLED ST FX 103 C NiCd 45W 50V	1hr 2 / 3 hrs	1.6Ah NiCd 4.0Ah NiCd
89800433	EMpowerLED PRO DIM 103 C NiCd 45W 50V	1hr 2 / 3 hrs	1.6Ah NiCd 4.0Ah NiCd
89800502	EMpowerLED ST FX 103 C NiMH 45W 50V	1hr 2 / 3 hrs	2.0Ah NiMH 4.0Ah NiMH
89800504	EMpowerLED PRO DIM 103 C NiMH 45W 50V	1hr 2 / 3 hrs	2.0Ah NiMH 4.0Ah NiMH
89800413	EMpowerLED ST FX 104 C NiCd 45W 50V	1hr 2 / 3 hrs	1.6Ah NiCd 4.0Ah NiCd
89800415	EMpowerLED PRO DIM 104 C NiCd 45W 50V	1hr 2 / 3 hrs	1.6Ah NiCd 4.0Ah NiCd
89800506	EMpowerLED ST FX 104 C NiMH 45W 50V	1hr 2 / 3 hrs	2.0Ah NiMH 4.0Ah NiMH
89800508	EMpowerLED PRO DIM 104 C NiMH 45W 50V	1hr 2 / 3 hrs	2.0Ah NiMH 4.0Ah NiMH
89800432	EMpowerLED ST FX 103 SR NiCd 45W 50V	1hr 2 / 3 hrs	1.6Ah NiCd 4.0Ah NiCd
89800434	EMpowerLED PRO DIM 103 SR NiCd 45W 50V	1hr 2 / 3 hrs	1.6Ah NiCd 4.0Ah NiCd
89800503	EMpowerLED ST FX 103 SR NiMH 45W 50V	1hr 2 / 3 hrs	2.0Ah NiMH 4.0Ah NiMH
89800505	EMpowerLED PRO DIM 103 SR NiMH 45W 50V	1hr 2 / 3 hrs	2.0Ah NiMH 4.0Ah NiMH
89800414	EMpowerLED ST FX 104 SR NiCd 45W 50V	1hr 2 / 3 hrs	1.6Ah NiCd 4.0Ah NiCd
89800416	EMpowerLED PRO DIM 104 SR NiCd 45W 50V	1hr 2 / 3 hrs	1.6Ah NiCd 4.0Ah NiCd
89800507	EMpowerLED ST FX 104 SR NiMH 45W 50V	1hr 2 / 3 hrs	2.0Ah NiMH 4.0Ah NiMH
89800509	EMpowerLED PRO DIM 104 SR NiMH 45W 50V	1hr 2 / 3 hrs	2.0Ah NiMH 4.0Ah NiMH

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## Section 5 (continued)

BSI Test Report 2413/8578235/1 of 2 to 2 of 2 For Built in, Rated 220-240V 50/60Hz tc 70°C ta +50°C

Article No.	Tridonic Model Number	Duration	Cells
89899861	EMpowerLED 2W ST AUTO TEST EMERGENCY UNIT	1 Hr 2 Hrs 3 Hrs	3 Cell 2Ah NiMH 4 Cells 2Ah NiMH 5 Cells 2Ah NiMH
89899866	EMpowerLED 2W BASIC EMERGENCY UNIT	1 Hr 2 Hrs 3 Hrs	3 Cell 2Ah NiMH 4 Cells 2Ah NiMH 5 Cells 2Ah NiMH
89899868	EMpowerLED 2W ST AUTO TEST EMERGENCY UNIT	1 Hr 2 Hrs 3 Hrs	3 Cell 2Ah NiMH 4 Cells 2Ah NiMH 5 Cells 2Ah NiMH
89800032	EMpowerLED 2W PRO EZ-3 AUTO TEST EMERGENCY UNIT	1 Hr 2 Hrs 3 Hrs	3 Cell 2Ah NiMH 4 Cells 2Ah NiMH 5 Cells 2Ah NiMH
89800030	EMpowerLED 2W PRO EZ-3 AUTO TEST EMERGENCY UNIT	1 Hr 2 Hrs 3 Hrs	3 Cell 2Ah NiMH 4 Cells 2Ah NiMH 5 Cells 2Ah NiMH
89899859	EMpowerLED 2W BASIC EMERGENCY UNIT	1 Hr 2 Hrs 3 Hrs	3 Cell 2Ah NiMH 4 Cells 2Ah NiMH 5 Cells 2Ah NiMH
89800031	EMpowerLED 1W PRO EZ-3 AUTO TEST EMERGENCY UNIT	1 Hr 2 Hrs 3 Hrs	2 Cell 2Ah NiMH 3 Cells 2Ah NiMH 3 Cells 2Ah NiMH
89800029	EMpowerLED 1W PRO EZ-3 AUTO TEST EMERGENCY UNIT	1 Hr 2 Hrs 3 Hrs	2 Cell 2Ah NiMH 3 Cells 2Ah NiMH 3 Cells 2Ah NiMH
89899860	EMpowerLED 1W ST AUTO TEST EMERGENCY UNIT	1 Hr 2 Hrs 3 Hrs	2 Cell 2Ah NiMH 3 Cells 2Ah NiMH 3 Cells 2Ah NiMH
89899858	EMpowerLED 1W BASIC EMERGENCY UNIT	1 Hr 2 Hrs 3 Hrs	2 Cell 2Ah NiMH 3 Cells 2Ah NiMH 3 Cells 2Ah NiMH
89899865	EMpowerLED 1W BASIC EMERGENCY UNIT	1 Hr 2 Hrs 3 Hrs	2 Cell 2Ah NiMH 3 Cells 2Ah NiMH 3 Cells 2Ah NiMH
89899867	EMpowerLED 1W ST AUTO TEST EMERGENCY UNIT	1 Hr 2 Hrs 3 Hrs	2 Cell 2Ah NiMH 3 Cells 2Ah NiMH 3 Cells 2Ah NiMH

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## Section 5 (continued)

BSI Test Report 2413/8623730/1 of 2 to 2 of 2 For Building in,

Rated 230V (220-240) 50/60Hz or 50/60/0Hz, tc 75°C ta +55°C

Article No.	Description	Duration	Battery
89800525	EMpowerLED 12W Basic CLE NiCd	3 Hrs	3 Cell 1.6Ah NiCd
89800526	EMpowerLED 12W Basic CLE NiMh	3 Hrs	3 Cell 2.0Ah NiMH
89800527	EMpowerLED 12W Basic CLE CPS	N/A	LED Driver
89800176	EMpowerLED 15W Basic CLE NiCd	3 Hrs	3 Cell 1.6Ah NiCd
89800174	EMpowerLED 15W Basic CLE NiMh	3 Hrs	3 Cell 2.0Ah NiMH
89800177	EMpowerLED 15W Basic CLE CPS	N/A	LED Driver

BSI Test Report 2413/8794065/1 of 2 to 2 of 2 For Building in,

Input 220-240V 50/60 Hz, tc + 80°C, ta -30°C - +55°C, for building in

Article number	Description	Duration	Batteries
89800524	EM powerLED NTx 102 DIM 5W ZUM	1 - 8 Hrs	1 – 6 cell 2.4 to 7.2V 1.5 to 6 Ah NiMH or Li-Ion

This product is configurable with regards to Channel 1 / 2, Output current 5 – 700 mA, Output voltage 2.5 – 30V  
See test reports for full details

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# ENEC Certificate

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## Section 6

### Emergency LED Driver Modules

EM Power LED drivers, Classification Integral, Input 220-240V AC/DC 0/50/60 Hz, tc 70°C ta +55°C

Tridonic Article Number / Description	Zumtobel Article Number / Description
89800047 - Empower1 LED DALI HO 140	59004073 - EM POWER1 CT LED DALI 1/650mA 140x30x21
89800048 - EMpower1 LED DALI HO	59004071 - EM POWER1 CT LED DALI 2x6/210mA
	59004072 - EM POWER1 CT LED DALI 1x6/270mA
	59004082 - EM POWER1 CT LED DALI 1/650mA
	59004084 - EM POWER1 CT LED DALI 2x6/330mA
89800055 - EMpower2 LED DALI 2xHO	59004076 - EM POWER2 CT LED DALI 1/350mA 2x6/212mA
	59004077 - EM POWER2 CT LED DALI 2x2x6/212mA
89800149 - EMpower2 LED DALI 2xHO 140	59004527 - EM POWER2 CT LED DALI 2x2x6/212mA 140x30x21
89800072 - EMpower1 LED DALI LO	59004070 - EM POWER1 CT LED DALI 2x6/150mA
	59004086 - EM POWER1 B CT LED DALI 1x6/43mA
	59004087 - EM POWER1 B CT LED DALI 1x6/58mA
	59004088 - EM POWER1 B CT LED DALI 1x6/100mA
89800075 - EMpower2 LED DALI 1xHO / 1xLO	59004098 - EM POWER2 B CT LED DALI 1/350mA 1x6/100mA
89800076 - EMpower2 LED DALI 2xLO	59004099 - EM POWER2 B CT LED DALI 2x1x6/100mA
89800135 - EMpower1 LED DALI H1 140	59004324 - EM POWER1 CT LED DALI 4x6/206mA 140x30x21
89800143 - EMpower1 LED DALI H1	59004695 - EM POWER1 CT LED DALI 4x6/206mA

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# ENEC Certificate

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## Section 6 (continued)

Tridonic Article Number / Description	Zumtobel Article Number / Description
89800139 - EMpower2 LED DALI 1xL1/1xH1 140	59004329 - EM POWER2 CT LED DALI 2/150mA 4x6/206mA 140x30x21
89800147 - EMpower2 LED DALI 1xL1/1xH1	59004696 - EM POWER2 CT LED DALI 2/150mA 4x6/206mA
89800161 - EMpower1 LED DALI L1 140	59004334 - EM POWER1 CT LED DALI 3x6/150mA 140x30x21
89800169 - EMpower1 LED DALI L1	59004626 - EM POWER1 CT LED DALI 3x6/150mA
89800162 - EMpower2 LED DALI 2xL1 140	59004339 - EM POWER2 CT LED DALI 2/150mA 3x6/150mA 140x30x21
89800170 - EMpower2 LED DALI 2xL1	59004631 - EM POWER2 CT LED DALI 2/150mA 3x6/150mA
89800363 - EMpower1 LED DALI H2	59005194 – EM POWER1 CT LED DALI 2/400mA
89800049 - EMpower1 LED NSI HO 140	59004069 - EM POWER1 CT LED NSI 1/650mA 140x30x21
89800050 - EMpower1 LED NSI HO	59004067 - EM POWER1 CT LED NSI 2x6/210mA
	59004068 - EM POWER1 CT LED NSI 1x6/270mA
	59004081 - EM POWER1 CT LED NSI 1/650mA 160x30x21
	59004085 - EM POWER1 CT LED NSI 2x6/330mA
89800056 - EMpower2 LED NSI 2xHO	59004074 - EM POWER2 CT LED NSI 1/350mA 2x6/212mA
	59004075 - EM POWER2 CT LED NSI 2x2x6/212mA

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## Section 6 (continued)

Tridonic Article Number / Description	Zumtobel Article Number / Description
89800150 - EMpower2 LED NSI 2xHO 140	59004528 - EM POWER2 CT LED NSI 2x2x6/212mA 140x30x21
89800073 - EMpower1 LED NSI LO	59004066 - EM POWER1 CT LED NSI 2x6/150mA
	59004089 - EM POWER1 B CT LED NSI 1x6/43mA
	59004090 - EM POWER1 B CT LED NSI 1x6/58mA
	59004091 - EM POWER1 B CT LED NSI 1x6/100mA
89800077 - EMpower2 LED NSI 1xHO / 1xLO	59004100 - EM POWER2 B CT LED NSI 1/350mA 1x6/100mA
89800078 - EMpower2 LED NSI 2xLO	59004101 - EM POWER2 B CT LED NSI 2x1x6/100mA
89800134 - EMpower1 LED NSI H1 140	59004323 - EM POWER1 CT NSI 4x6/206mA 140x30x21
89800142 - EMpower1 LED NSI H1	59004693 - EM POWER1 CT NSI 4x6/206mA
89800138 - EMpower2 LED NSI 1xL1/1xH1 140	59004328 - EM POWER2 CT NSI 2/150mA 4x6/206mA 140x30x21
89800146 - EMpower2 LED NSI 1xL1/1xH1	59004694 - EM POWER2 CT NSI 2/150mA 4x6/206mA
89800159 - EMpower1 LED NSI L1 140	59004333 - EM POWER1 CT NSI 3x6/150mA 140x30x21
89800167 - EMpower1 LED NSI L1	59004625 - EM POWER1 CT NSI 3x6/150mA
89800160 - EMpower2 LED NSI 2xL1 140	59004338 - EM POWER2 CT NSI 2/150mA 3x6/150mA 140x30x21
89800168 - EMpower2 LED NSI 2xL1	59004630 - EM POWER2 CT NSI 2/150mA 3x6/150mA

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## Section 6 (continued)

Tridonic Article Number / Description	Zumtobel Article Number / Description
89800365 – EMpower1 LED NSI H2	59005198 - EM POWER1 CT LED NSI 2/400 mA
89800053 - EMpower1 LED NPS HO 140	59004108 - EM POWER1 CT LED NPS 1x6/270mA 140x30x21
	59004109 - EM POWER1 CT LED NPS 1/650mA 140x30x21
89800054 - EMpower1 LED NPS HO	59004107 - EM POWER1 CT LED NPS 1/650mA
89800058 - EMpower2 LED NPS 2xHO	59004113 - EM POWER2 CT LED NPS 2x2x6/212mA
89800152 - EMpower2 LED NPS 2xHO 140	59004531 - EM POWER2 CT LED NPS 2x2x6/212mA 140x30x21
89800081 - EMpower2 LED NPS 2xLO	59004114 - EM POWER2 B CT LED NPS 2x1x6/100mA
89800082 - EMpower1 LED NPS LO	59004110 - EM POWER1 B CT LED NPS 1x6/43mA
	59004111 - EM POWER1 B CT LED NPS 1x6/58mA
	59004112 - EM POWER1 B CT LED NPS 1x6/100mA
89800083 - EMpower2 LED NPS 2xLO	59004115 - EM POWER2 B CT LED NPS 1/350mA 1x6/100mA
89800136 - EMpower1 LED NPS H1 140	59004325 - EM POWER1 CT NPS 4x6/206mA 140x30x21
89800144 - EMpower1 LED NPS H1	59004691 - EM POWER1 CT NPS 4x6/206mA
89800140 - EMpower2 LED NPS 1xL1/1xH1 140	59004330 - EM POWER2 CT NPS 2/150mA 4x6/206mA 140x30x21
89800148 - EMpower2 LED NPS 1xL1/1xH1	59004692 - EM POWER2 CT NPS 2/150mA 4x6/206mA
89800163 - EMpower1 LED NPS L1 140	59004335 - EM POWER1 CT NPS 3x6/150mA 140x30x21

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# ENEC Certificate

No. ENEC 36210

## Section 6 (continued)

Tridonic Article Number / Description	Zumtobel Article Number / Description
89800171 - EMpower1 LED NPS L1	59004627 - EM POWER1 CT NPS 3x6/150mA
89800172 - EMpower2 LED NPS 2xL1 140	59004340 - EM POWER2 CT NPS 2/150mA 3x6/150mA 140x30x21
89800173 - EMpower2 LED NPS 2xL1	59004632 - EM POWER2 CT NPS 2/150mA 3x6/150mA
89800364 - EMpower1 LED NPS H2	59005196 - EM POWER1 CT LED NPS 2/400mA
89800051 - EMpower1 LED NTx HO 500 140	59004064 - EM POWER1 CT LED NT1 1/500mA 140x30x21
	59004065 - EM POWER1 CT LED NT3 1/480mA 140x30x21
89800481 - EMpower1 LED NTx HO 500 140	59004046 - EM POWER1 CT LED NT1 1/500mA 140X30X21
	59007234 - EM POWER1 CT LED NT3 1/420mA 140X30X21
	59007267 - EM POWER1 CT LED E3TX 1/420mA 140X30X21
89800052 - EMpower1 LED NTx HO	59004056 - EM POWER1 CT LED NT1 2x6/330mA
	59004057 - EM POWER1 CT LED NT3 2x6/330mA
	59004060 - EM POWER1 CT LED NT1 2x6/210mA
	59004061 - EM POWER1 CT LED NT3 2x6/210mA
	59004062 - EM POWER1 CT LED NT1 1x6/270mA
	59004063 - EM POWER1 CT LED NT3 1x6/270mA
89800482 - EMpower1 LED NTx HO 500	59004079 - EM POWER1 CT LED NT1 1/500mA
	59007235 - EM POWER1 CT LED NT3 1/420mA
	59007268 - EM POWER1 CT LED E3TX 1/420mA
89800101 - EMpower1 LED NTx HO 500	59004079 - EM POWER1 CT LED NT1 1/500mA 160x30x21
	59004080 - EM POWER1 CT LED E3TX 1/480mA 160x30x21

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# ENEC Certificate

No. ENEC 36210

## Section 6 (continued)

Tridonic Article Number / Description	Zumtobel Article Number / Description
89800057 - EMpower2 LED NTx 2xHO	59004052 - EM POWER2 CT LED NT1 1/350mA 2x6/212mA
	59004053 - EM POWER2 CT LED NT3 1/350mA 2x6/212mA
	59004054 - EM POWER2 CT LED NT1 2x2x6/212mA
	59004055 - EM POWER2 CT LED NT3 2x2x6/212mA
89800151 - EMpower2 LED NTx 2xHO 140	59004529 - EM POWER2 CT LED NT1 2x2x6/212mA 140x30x21
	59004530 - EM POWER2 CT LED NT3 2x2x6/212mA 140x30x21
89800074 - EMpower1 LED NTx LO	59004058 - EM POWER1 CT LED NT1 2x6/150mA
	59004059 - EM POWER1 CT LED NT3 2x6/150mA
	59004092 - EM POWER1 B CT LED NT1 1x6/43mA
	59004093 - EM POWER1 B CT LED NT3 1x6/43mA
	59004094 - EM POWER1 B CT LED NT1 1x6/58mA
	59004095 - EM POWER1 B CT LED NT3 1x6/58mA
	59004096 - EM POWER1 B CT LED NT1 1x6/100mA
	59004097 - EM POWER1 B CT LED NT3 1x6/100mA
89800079 - EMpower2 LED NTx 1xHO / 1xLO	59004102 - EM POWER2 B CT LED NT1 1/350mA 1x6/100mA
	59004103 - EM POWER2 B CT LED NT3 1/350mA 1x6/100mA

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# ENEC Certificate

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## Section 6 (continued)

Tridonic Article Number / Description	Zumtobel Article Number / Description
89800080 - EMpower2 LED NTx 2xLO	59004104 - EM POWER2 B CT LED NT1 2x1x6/100mA
	59004105 - EM POWER2 B CT LED NT3 2x1x6/100mA BB
	59004106 - EM POWER2 B CT LED NT3 2x1x6/100mA
89800133 - EMpower1 LED NTx H1 140	59004321 - EM POWER1 CT NT1 4x6/206mA 140x30x21
	59004322 - EM POWER1 CT NT3 4x6/206mA 140x30x21
89800141 - EMpower1 LED NTx H1	59004697 - EM POWER1 CT NT1 4x6/206mA
	59004698 - EM POWER1 CT NT3 4x6/206mA
89800483 - Empower2 LED NTx 1xL1/1xH1 140	59007269 - EM POWER2 CT NT1 2/150mA 4x6/206mA 140x30x21
	59007236 - EM POWER2 CT NT3 2/150mA 4x6/206mA 140x30x21
89800137 - EMpower2 LED NTx 1xL1/1xH1 140	59004326 - EM POWER2 CT NT1 2/150mA 4x6/206mA 140x30x21
	59004327 - EM POWER2 CT NT3 2/150mA 4x6/206mA 140x30x21
89800145 - EMpower2 LED NTx 1xL1/1xH1	59004699 - EM POWER2 CT NT1 2/150mA 4x6/206mA
	59004700 - EM POWER2 CT NT3 2/150mA 4x6/206mA
89800157 - EMpower1 LED NTx L1 140	59004331 - EM POWER1 CT NT1 3x6/150mA 140x30x21
	59004332 - EM POWER1 CT NT3 3x6/150mA 140x30x21
89800165 - EMpower1 LED NTx L1	59004623 - EM POWER1 CT NT1 3x6/150mA
	59004624 - EM POWER1 CT NT3 3x6/150mA

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# ENEC Certificate

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## Section 6 (continued)

Tridonic Article Number / Description	Zumtobel Article Number / Description
89800484 – Empower 2 LED NTx 2xL1 140	59007270 - EM POWER2 CT NT1 3x6/150mA 2/150mA 140x30x21
	59007237 - EM POWER2 CT NT3 3x6/150mA 2/150mA 140x30x21
89800485 – Empower 2 LED NTx 2xL1	59007271 - EM POWER2 CT NT1 3x6/150mA 2/150mA
	59007238 - EM POWER2 CT NT3 3x6/150mA 2/150mA
89800158 - EMpower2 LED NTx 2xL1 140	59004336 - EM POWER2 CT NT1 3x6/150mA 2/150mA 140x30x21
	59004337 - EM POWER2 CT NT3 3x6/150mA 2/150mA 140x30x21
89800166 - EMpower2 LED NTx 2xL1	59004628 - EM POWER2 CT NT1 3x6/150mA 2/150mA
	59004629 - EM POWER2 CT NT3 3x6/150mA 2/150mA
89800467 – Empower1 LED NSI HO IT 140	59005943 EM POWER1 CT LED NSI 2/650mA 140x30x21
89800468 – Empower1 LED DALI HO IT 140	59005944 EM POWER1 CT LED NDA 2/650mA 140x30x21
89800466 – Empower1 LED NTx HO IT 140	59005940 EM POWER1 CT LED NT1 2/500mA 140x30x21
	59005941 EM POWER1 CT LED NS3 2/500mA 140x30x21
89800469 – Empower1 LED NSI HO IT 140	59005942 EM POWER1 CT LED NPS 2/650mA 140x30x21

The applicable reports are as follows 2413/8207358, 2413/7719739, 2413/7757486, 2413/7843792, 2413/7858477, 2413/7858478, 2413/8077885, 2413/8207358, 2413/8244832, 2413/8254485 and 2413/8293460 for the above drivers

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# ENEC Certificate

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## Section 6 (continued)

BSI Test Report 2413/8080058 Ta +50°C Classification for building in

Input voltage 220-240V ~ 50/60 Hz

Article No.	Tridonic Model No.	Duration	Cells
89800291	EMpowerLED BASIC 103 4x300mA	1 / 3 hrs	3
89800292	EMpowerLED BASIC 104 4x300mA	1 / 3 hrs	4
89800293	EMpowerLED BASIC 134 NiCd 4x300mA	3hrs	4
89800260	EMpowerLED BASIC 103 4x350mA	1 / 3 hrs	3
89800261	EMpowerLED BASIC 104 4x350mA	1 / 3 hrs	4
89800262	EMpowerLED BASIC 134 NiCd 4x350mA	3hrs	4
89800294	EMpowerLED CPS 4x300mA	-	-
89800295	EMpowerLED CPS 4x350mA	-	-

BSI Test Report 2413/8163413 Ta +55°C Classification for building in

Input voltage 220-240V ~ 50/60 Hz

Article No.	Tridonic Model No.	Duration	Cells
89800393	EM powerLED BASIC FX 104 LP 80W 200V	1 / 3 hrs	4

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# ENEC Certificate

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## Section 6 (continued)

BSI Test Report 2413/8314640 Ta +55°C Classification for building in

Input voltage 220-240V ~ 50/60 Hz

Article No.	Tridonic Model No.	Duration	Cells
89800486	EM converterLED BASIC PT 103 50V	1 / 3 hrs	3
89800487	EM converterLED BASIC PT 104 50V	1 / 3 hrs	4
89800488	EM converterLED ST PT 103 50V	1 / 3 hrs	3
89800489	EM converterLED ST PT 104 50V	1 / 3 hrs	4
89800490	EM converterLED PRO PT 103 50V	1 / 2 / 3 hrs	3
89800491	EM converterLED PRO PT 104 50V	1 / 2 / 3 hrs	4

BSI Test Report 2413/8712385/ 1 of 2 & 2 of 2 Ta +55°C Tc 75°C Classification for building in

Input voltage 220-240V 50/60 Hz

Article number	Description	Duration	Battery
89800548	EM converterLED PRO 103 50V TX	1 Hr 2 & 3 Hrs	3 Cell 2Ah NiMh 3 Cell 4Ah NiMh
89800549	EM converterLED PRO 104 50V TX	1 Hr 2 & 3 Hrs	4 Cell 2Ah NiMh 4 Cell 4Ah NiMh
89800550	EM converterLED PRO 104 200V TX	1 Hr 2 & 3 Hrs	4 Cell 2Ah NiMh 4 Cell 4Ah NiMh
89800551	EM converterLED PRO 105 200V TX	1 Hr 2 & 3 Hrs	5 Cell 2Ah NiMh 5 Cell 4Ah NiMh

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# ENEC Certificate

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## Section 6 (continued)

BSI Test Report 2413/8715284/1 of 2 & 2 of 2 Ta +60°C, Tc +70°C, non-maintained Classification for building in

Input voltage 220-240V ~ 50/60 Hz

Article number	Description	Duration	Battery
89800111	EMpowerLED NM 1W 3H BASIC Clip fix	3Hrs	3 Cell 2Ah NiMh 3 Cell 1.5/1.6Ah NiCd
89800112	EMpowerLED NM 1W 3H BASIC Screw fix	3Hrs	3 Cell 2Ah NiMh 3 Cell 1.5/1.6Ah NiCd
89800553	EMpowerLED BASIC NM 2W NiCd Screw fix	3Hrs	3 Cell 2.5Ah NiCd

BSI Test Report 2413/8713879/1 of 2 & 2 of 2, tc non-maintained 60°C, tc maintained 85°C, ta +30°C  
Classification for integral use

Input voltage 220-240V ~ 50/60 Hz

Tridonic reference	Hardware	Device configuration
R2A BASIC NM & R2A BASIC NM SB	A	EM R2A BASIC NM 131 1W
		EM R2A BASIC NM 111 2W
		EM R2A BASIC NM 132 2W
R2A PRO/ST/B-M & R2A PRO/ST/B-M SB	B	EM R2A BASIC M 111 2W
		EM R2A BASIC M 132 2W
		EM R2A ST NM 111 2W
		EM R2A ST M 111 2W
		EM R2A ST NM 132 2W
		EM R2A ST M 132 2W
		EM R2A PRO NM 111 2W
		EM R2A PRO M 111 2W
		EM R2A PRO NM 132 2W
		EM R2A PRO M 132 2W
		EM R2A PRO NM 122 2W
		EM R2A PRO M 122 2W

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## Section 6 (continued)

BSI Test Report 2413/8787375/1 of 2 & 2 of 2 Ta -5°C - +55°C, Tc +75°C, non-maintained  
Classification for building in

Input voltage 220-240V ~ 50/60 Hz

Article number	Description	Duration	Battery
89800558	EMconverterLED	1 Hr	2 cells 1.6Ah NiCd
	BASIC 202 NiCd 50V	3 Hrs	2 cells 4Ah NiCd
89800559	EMconverterLED	1 Hr	3 cells 1.6Ah NiCd
	BASIC 203 NiCd 50V	3 Hrs	3 cells 4Ah NiCd
89800560	EMconverterLED	1 Hr	4 cells 1.6Ah NiCd
	BASIC 204 NiCd 50V	3 Hrs	4 cells 4Ah NiCd
89800561	EMconverterLED	1 Hr	3 cells 1.6Ah NiCd
	BASIC 203 NiCd 90V	3 Hrs	3 cells 4Ah NiCd
89800562	EMconverterLED	1 Hr	4 cells 1.6Ah NiCd
	BASIC 204 NiCd 90V	3 Hrs	4 cells 4Ah NiCd

BSI Test Report 2413/8867918/1 of 2 & 2 of 2 Ta -5°C - +55°C, Tc +75°C, non-maintained  
Classification for building in

Input voltage 220-240V ~ 50/60 Hz

Article number	Description	Duration	Battery
89800574	EMconverterLED BASIC 203 NiCd / NiMH	1 Hr	3 Cells 1.6Ah NiCd / 2.2Ah NiMH
		3 Hrs	3 Cells 4Ah NiCd / 2.2Ah NiMH
89800563	EMconverterLED BASIC 204 NiCd / NiMH	1 Hr	4 Cells 1.6Ah NiCd / 2.2Ah NiMH
		3 Hrs	4 Cells 4Ah NiCd / 2.2Ah NiMH
89800564	EMconverterLED BASIC 205 NiCd / NiMH	1 Hr	4 Cells 1.6Ah NiCd / 2.2Ah NiMH
		3 Hrs	4 Cells 4Ah NiCd / 2.2Ah NiMH

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# ENEC Certificate

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## Section 6 (continued)

Article number	Description	Duration	Battery
89800182	EM converterLED ST 104 50V	1 Hr 3 Hrs	4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 4 Cell 4Ah Ni-Cd/NiMh
89800183	EM converterLED ST 134 NiCd 50V	3 Hrs	4 Cell 4Ah Ni-Cd
89800190	EM converterLED ST 104 90V	1 Hr 2/3 Hrs	4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 4 Cell 4Ah Ni-Cd/NiMh
89800191	EM converterLED ST 105 90V	1 Hr 3 Hrs	5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 5 Cell 4Ah Ni-Cd/NiMh
89800192	EM converterLED ST 135 NiCd 90V	3 Hrs	5 Cell 4Ah Ni-Cd
89800310	EM converterLED ST 104 200V	1 Hr 3 Hrs	4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 4 Cell 4Ah Ni-Cd/NiMh
89800311	EM converterLED ST 105 200V	1 Hr 3 Hrs	5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 5 Cell 4Ah Ni-Cd/NiMh
89800184	EM converterLED PRO 103 50V	1 Hr 2/3 Hrs	3 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 3 Cell 4Ah Ni-Cd/NiMh
89800185	EM converterLED PRO 104 50V	1 Hr 2/3 Hrs	4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 4 Cell 4Ah Ni-Cd/NiMh
89800186	EM converterLED PRO 134 NiCd 50V	1 Hr 3 Hrs	4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 4 Cell 4Ah Ni-Cd/NiMh
89800193	EM converterLED PRO 104 90V	1 Hr 2/3 Hrs	4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 4 Cell 4Ah Ni-Cd/NiMh
89800194	EM converterLED PRO 105 90V	1 Hr 2/3 Hrs	5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 5 Cell 4Ah Ni-Cd/NiMh
89800195	EM converterLED PRO 135 NiCd 90V	2/3 Hrs	5 Cell 4Ah Ni-Cd
89800312	EM converterLED PRO 104 200V	1 Hr 2/3 Hrs	4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 4 Cell 4Ah Ni-Cd/NiMh
89800313	EM converterLED PRO 105 200V	1 Hr 2/3 Hrs	5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 5 Cell 4Ah Ni-Cd/NiMh

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## Section 6 (continued)

BSI Test Report 8861802-1/1 of 2 & 2 of 2

tc + 70°C (BASIC), tc +75°C (ST & PRO), ta -5°C - +55°C (BASIC) ta -25°C - +55°C non-maintained

Classification for building in, Input voltage 220-240V ~ 50/60 Hz

Article number	Description	Duration	Battery
89800178	EMconverterLED BASIC 103 50V	1 Hr 3 Hrs	3 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 3 Cell 4Ah Ni-Cd/NiMh
89800179	EMconverterLED BASIC 104 50V	1 Hr 3 Hrs	4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 4 Cell 4Ah Ni-Cd/NiMh
89800187	EMconverterLED BASIC 104 90V	1 Hr 3 Hrs	4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 4 Cell 4Ah Ni-Cd/NiMh
89800188	EMconverterLED BASIC 105 90V	1 Hr 3 Hrs	5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 5 Cell 4Ah Ni-Cd/NiMh
89800308	EMconverterLED BASIC 104 200V	1 Hr 3 Hrs	4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 4 Cell 4Ah Ni-Cd/NiMh
89800309	EMconverterLED BASIC 105 200V	1 Hr 3 Hrs	5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 5 Cell 4Ah Ni-Cd/NiMh
89800314	EMconverterLED BASIC 103 NiMH 50V	1 Hr 3 Hrs	3 Cell 2.0Ah NiMh 3 Cell 4Ah NiMh
89800315	EMconverterLED BASIC 104 NiMH 50V	1 Hr 3 Hrs	4 Cell 2.0Ah NiMh 4 Cell 4Ah NiMh
89800320	EMconverterLED BASIC 104 NiMH 90V	1 Hr 3 Hrs	4 Cell 2.0Ah NiMh 4 Cell 4Ah NiMh
89800321	EMconverterLED BASIC 105 NiMH 90V	1 Hr 3 Hrs	5 Cell 2.0Ah NiMh 5 Cell 4Ah NiMh
89800326	EMconverterLED BASIC 104 NiMH 200V	1 Hr 3 Hrs	4 Cell 2.0Ah NiMh 4 Cell 4Ah NiMh
89800327	EMconverterLED BASIC 105 NiMH 200V	1 Hr 3 Hrs	5 Cell 2.0Ah NiMh 5 Cell 4Ah NiMh
89800181	EM converterLED ST 103 50V	1 Hr 3 Hrs	3 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 3 Cell 4Ah Ni-Cd/NiMh

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# ENEC Certificate

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## Section 6 (continued)

BSI Test Report 8861802-1/1 of 2 & 2 of 2 continued

Article No.	Tridonic Model No.	Duration	Cells
89800184	EM converterLED PRO 103 50V	1 Hr 2/3 Hrs	3 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 3 Cell 4Ah Ni-Cd/NiMh
89800185	EM converterLED PRO 104 50V	1 Hr 2/3 Hrs	4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 4 Cell 4Ah Ni-Cd/NiMh
89800186	EM converterLED PRO 134 NiCd 50V	3 Hrs	4 Cell 1.6Ah Ni-Cd
89800193	EM converterLED PRO 104 90V	1 Hr 2/3 Hrs	4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 4 Cell 4Ah Ni-Cd/NiMh
89800194	EM converterLED PRO 105 90V	1 Hr 2/3 Hrs	5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 5 Cell 4Ah Ni-Cd/NiMh
89800195	EM converterLED PRO 135 NiCd 90V	3 Hrs	5 Cell 1.6Ah Ni-Cd
89800182	EM converterLED ST 104 50V	1 Hr 3 Hrs	4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 4 Cell 4Ah Ni-Cd/NiMh
89800183	EM converterLED ST 134 NiCd 50V	3 Hrs	4 Cell 1.6Ah Ni-Cd
89800190	EM converterLED ST 104 90V	1 Hr 2/3 Hrs	4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 4 Cell 4Ah Ni-Cd/NiMh
89800191	EM converterLED ST 105 90V	1 Hr 3 Hrs	5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 5 Cell 4Ah Ni-Cd/NiMh
89800192	EM converterLED ST 135 NiCd 90V	3 Hrs	5 Cell 1.6Ah Ni-Cd

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# ENEC Certificate

No. ENEC 36210

## Section 6 (continued)

BSI Test Report 8861802-1/1 of 2 & 2 of 2 continued

Article number	Description	Duration	Battery
89800316	EM converterLED ST 103 NiMH 50V	1 Hr 2/3 Hrs	3 Cell 2Ah NiMh 3 Cell 4Ah NiMh
89800317	EM converterLED ST 104 NiMH 50V	1 Hr 2/3 Hrs	4 Cell 2Ah NiMh 4 Cell 4Ah NiMh
89800322	EM converterLED ST 104 NiMH 90V	1 Hr 3 Hrs	4 Cell 2Ah NiMh 4 Cell 4Ah NiMh
89800323	EM converterLED ST 105 NiMH 90V	1 Hr 2/3 Hrs	5 Cell 2Ah NiMh 5 Cell 4Ah NiMh
89800328	EM converterLED ST 104 NiMH 200V	1 Hr 2/3 Hrs	4 Cell 2Ah NiMh 4 Cell 4Ah NiMh
89800329	EM converterLED ST 105 NiMH 200V	1 Hr 2/3 Hrs	5 Cell 2Ah NiMh 5 Cell 4Ah NiMh
89800318	EM converterLED PRO 103 NiMH 50V	1 Hr 2/3 Hrs	3 Cell 2Ah NiMh 3 Cell 4Ah NiMh
89800319	EM converterLED PRO 104 NiMH 50V	1 Hr 2/3 Hrs	4 Cell 2Ah NiMh 4 Cell 4Ah NiMh
89800324	EM converterLED PRO 104 NiMH 90V	1 Hr 3 Hrs	4 Cell 2Ah NiMh 4 Cell 4Ah NiMh
89800325	EM converterLED PRO 105 NiMH 90V	1 Hr 2/3 Hrs	5 Cell 2Ah NiMh 5 Cell 4Ah NiMh
89800330	EM converterLED PRO 104 NiMH 200V	1 Hr 2/3 Hrs	4 Cell 2Ah NiMh 4 Cell 4Ah NiMh
89800331	EM converterLED PRO 105 NiMH 200V	1 Hr 2/3 Hrs	5 Cell 2Ah NiMh 5 Cell 4Ah NiMh
89800532	EM converterLED PRO PT 103 NiMH 50V	1 Hr 2/3 Hrs	4 Cell 2Ah NiMh 4 Cell 4Ah NiMh

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Latest Issue: 2017-12-13

Effective Date: 2017-12-13

Expiry Date: 2020-12-12

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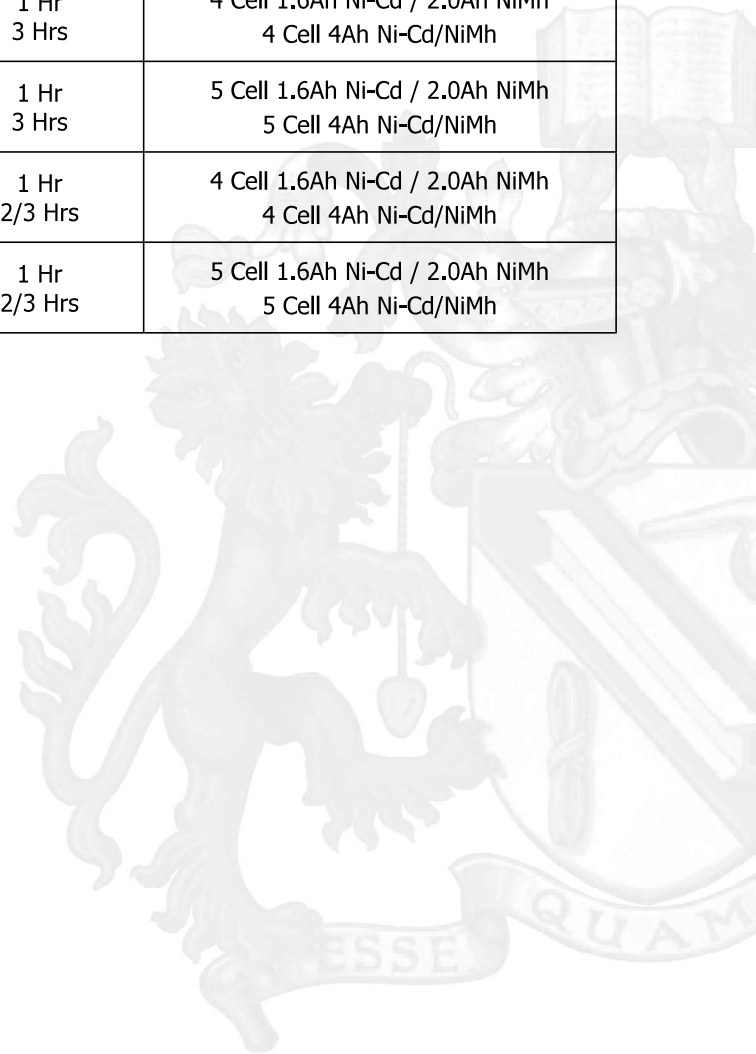
# ENEC Certificate

No. ENEC 36210

## Section 6 (continued)

BSI Test Report 8861802-1/1 of 2 & 2 of 2 continued

Article No.	Tridonic Model No.	Duration	Cells
89800310	EM converterLED ST 104 200V	1 Hr 3 Hrs	4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 4 Cell 4Ah Ni-Cd/NiMh
89800311	EM converterLED ST 105 200V	1 Hr 3 Hrs	5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 5 Cell 4Ah Ni-Cd/NiMh
89800312	EM converterLED PRO 104 200V	1 Hr 2/3 Hrs	4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 4 Cell 4Ah Ni-Cd/NiMh
89800313	EM converterLED PRO 105 200V	1 Hr 2/3 Hrs	5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh 5 Cell 4Ah Ni-Cd/NiMh



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# ENEC Certificate

No. ENEC 36210

## Section 7

### LED driver modules

Report Number	Article No.	Description
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Input voltage 220-240V 50/60Hz tc +75°C

2413/8093422	89800307	LCBI 25W 700mA BASIC PHASE-CUT SR
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Input voltage 220-240V 50/60Hz tc +75°C

2413/8083079	89800290	LCBU 25W 12V BASIC phase-cut sr
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Input voltage 220-240V ~ 0/50/60 Hz ta +55°C

2413/8225859	89800435	EMpowerLED CPS FX LP 80W
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Input voltage 220-240V ~ 0/50/60 Hz ta +55°C

2413/7943260	89800255	LCBI 15W 350mA BASIC PHASE_CUT LP
	89800256	LCBI 15W 500mA BASIC PHASE_CUT LP
	89800257	LCBI 15W 700mA BASIC PHASE_CUT LP

Input voltage 220-240V 50/60Hz tc +75°C

2413/8025994	89800266	LCBI 15W 350mA BASIC PHASE-CUT SR
	89800267	LCBI 15W 500mA BASIC PHASE-CUT SR
	89800268	LCBI 14W 700mA BASIC PHASE-CUT SR

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# ENEC Certificate

No. ENEC 36210

## Section 7 (continued)

Report Number	Article No.	Description
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Tridonic Input voltage 220/240V ~ 50/60 Hz ta +60°C

2413/8111981	89800394	LCBI 8W 350mA BASIC PHASE-CUT SR
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Tridonic Input voltage 220/240V ~ 50/60 Hz ta +55°C

2413/8112140	89800400	LCBI 15W 350mA BASIC LP THO
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Tridonic Input voltage 220-240V 50/60Hz tc +75°C

2413/8063669	89800289	LCBU 10W 12V BASIC PHASE-CUT SR
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Tridonic Input voltage 220-240V 50/60Hz tc +85°C / +90°C

2413/8024733	89800277	LCI 15W 350mA stepDim LP
	89800278	LCI 15W 500mA stepDim LP
	89800279	LCI 15W 700mA stepDim LP

Test report 2413/8296557/ 1 of 4 to 4 of 4

Article No.	Description	tc	ta
89800436	EMpowerLED CPS FX C 50W 50V	+ 85°C	-5°C to + 55°C Pout <= 45W -5°C to + 50°C Pout > 45W
89800437	EMpowerLED CPS FX SR 50W 50V	+ 80°C	-5°C to + 50°C Pout <= 40W -5°C to + 40°C Pout > 40W

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