

# 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:

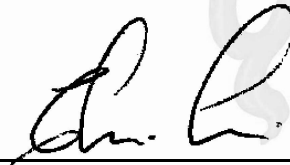
ENEC 36210

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

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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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## 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<br>3hrs | 4 cell NiCd or 4 cell NiMh<br>5 cell NiMh |
| 89899887       | PC 1x49-5 T5 Combo Ip | T5 1x49W | 1hr<br>3hrs | 5 cell NiCd or 5 cell NiMh                |
| 89899889       | PC 1x54-6 T5 Combo Ip | T5 1x54W | 1hr<br>3hrs | 6 cell NiCd or 6 cell NiMh                |
| 89899891       | PC 1x80-6 T5 Combo Ip | T5 1x80W | 1hr<br>3hrs | 6 cell NiCd or 6 cell NiMh                |
| 89899880       | PC 2x24-4 T5 Combo Ip | T5 2x24W | 1hr<br>3hrs | 4 cell NiCd or 4 cell NiMh                |
| 89899890       | PC 2x54-6 T5 Combo Ip | T5 2x54W | 1hr<br>3hrs | 6 cell NiCd or 6 cell NiMh                |

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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<br>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<br>1 x 18W TCT        | 3hrs     | 4 cells 4Ah NiCd / NiMH |
| 89899976    | PC 1x26-4 TC COMBO    | 1 x 26W TCD<br>1 x 26W TCT        | 3hrs     | 4 cells 4Ah NiCd / NiMH |
| 89899929    | PC 1x26/32-5 TC COMBO | 1 x 26W<br>TCD/TCT<br>1 x 32W TCT | 3hrs     | 5 cells 4Ah NiCd / NiMH |
| 89899928    | PC 2x18-4 TC COMBO    | 2 x 18W TCD<br>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<br>1x26W TCT               | 1hr / 3hrs | 3 cell 4Ah NiCd / NiMH<br>3 cell 1.5Ah NiCd<br>3 cell 2Ah NiMH |
| 89899982    | PC 2x18-3 TC COMBO          | 2x18W TCD<br>2x18W TCT               | 1hr / 3hrs | 3 cell 4Ah NiCd / NiMH<br>3 cell 1.5Ah NiCd<br>3 cell 2Ah NiMH |
| 89899931    | PC 1x26/32/42-6<br>TC COMBO | 1x26W<br>TCD/TCT<br>1x32W/42W<br>TCT | 1hr / 3hrs | 6 cell 4Ah NiCd / NiMH<br>6 cell 1.5Ah NiCd<br>6 cell 2Ah NiMH |
| 89899984    | PC 2x26-3 TC COMBO          | 2x26W TCD<br>2x26W TCT               | 1hr / 3hrs | 3 cell 4Ah NiCd / NiMH<br>3 cell 1.5Ah NiCd<br>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<br>1x18W TCT    | 1hr<br>1hr<br>3hrs | 3 cells 1.6Ah NiCd<br>3 cells 2Ah NiMH<br>3 cells 4Ah NiCd / NiMH |
| 89899989    | PC 2x26/32/42-6 TC COMBO | 2x26/32/42W<br>TCT        | 1hr<br>1hr<br>3hrs | 6 cells 1.6Ah NiCd<br>6 cells 2Ah NiMH<br>6 cells 4Ah NiCd / NiMH |
| 89899883    | PC 1x39-5 T5 Combo Ip    | T5 1x39W                  | 1hr<br>1hr<br>3hrs | 5 cells 1.6Ah NiCd<br>5 cells 2Ah NiMH<br>5 cells 4Ah NiCd        |
| 89899884    | PC 2x39-5 T5 Combo Ip    | T5 2x39W                  | 1hr<br>1hr<br>3hrs | 5 cells 1.6Ah NiCd<br>5 cells 2Ah NiMH<br>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<br>2x26/32W TCT | 1hr<br>1hr<br>3hrs | 5 cells 1.6Ah NiCd<br>5 cells 2Ah NiMH<br>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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# ENEC Certificate

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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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## 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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## 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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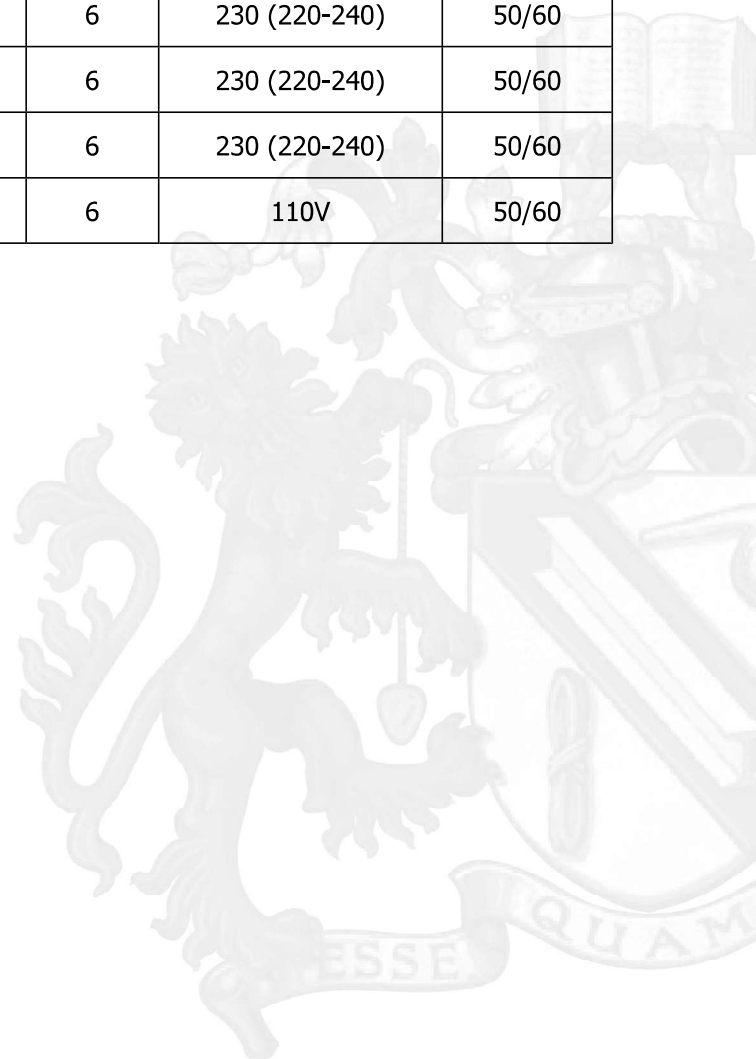


# ENEC Certificate

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## 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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## 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<br>3hrs | 3 cells C's NiCd / NiMh<br>3 cells D NiCd |
| 89800202   | EM 04 Basic LP G2 | *     | 1hr<br>3hrs | 4 cells C's NiCd / NiMh<br>4 cells D NiCd |
| 89800205   | EM 05 Basic LP G2 | *     | 1hr<br>3hrs | 5 cells C's NiCd / NiMh<br>5 cells D NiCd |
| 89800208   | EM 06 Basic LP G2 | *     | 1hr<br>3hrs | 6 cells C's NiCd / NiMh<br>6 cells D NiCd |
| 89800198   | EM 03 ST G2       | *     | 1hr<br>3hrs | 3 cells C's NiCd / NiMh<br>3 cells D NiCd |
| 89800201   | EM 04 ST G2       | *     | 1hr<br>3hrs | 4 cells C's NiCd / NiMh<br>4 cells D NiCd |
| 89800204   | EM 05 ST G2       | *     | 1hr<br>3hrs | 5 cells C's NiCd / NiMh<br>5 cells D NiCd |
| 89800207   | EM 06 ST G2       | *     | 1hr<br>3hrs | 6 cells C's NiCd / NiMh<br>6 cells D NiCd |
| 89800197   | EM 03 PRO G2      | *     | 1hr<br>3hrs | 3 cells C's NiCd / NiMh<br>3 cells D NiCd |
| 89800200   | EM 04 PRO G2      | *     | 1hr<br>3hrs | 4 cells C's NiCd / NiMh<br>4 cells D NiCd |
| 89800203   | EM 05 PRO G2      | *     | 1hr<br>3hrs | 5 cells C's NiCd / NiMh<br>5 cells D NiCd |
| 89800206   | EM 06 PRO G2      | *     | 1hr<br>3hrs | 6 cells C's NiCd / NiMh<br>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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## 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<br>3hrs | 3 cells 2Ah NiMh<br>3 cells 4Ah NiMh |
| 89800345   | EM 04 Basic LP NiMh G2 | *     | 1hr<br>3hrs | 4 cells 2Ah NiMh<br>4 cells 4Ah NiMh |
| 89800346   | EM 05 Basic LP NiMh G2 | *     | 1hr<br>3hrs | 5 cells 2Ah NiMh<br>5 cells 4Ah NiMh |
| 89800347   | EM 06 Basic LP NiMh G2 | *     | 1hr<br>3hrs | 6 cells 2Ah NiMh<br>6 cells 4Ah NiMh |
| 89800336   | EM 03 ST NiMh G2       | *     | 1hr<br>3hrs | 3 cells 2Ah NiMh<br>3 cells 4Ah NiMh |
| 89800337   | EM 04 ST NiMh G2       | *     | 1hr<br>3hrs | 4 cells 2Ah NiMh<br>4 cells 4Ah NiMh |
| 89800338   | EM 05 ST NiMh G2       | *     | 1hr<br>3hrs | 5 cells 2Ah NiMh<br>5 cells 4Ah NiMh |
| 89800339   | EM 06 ST NiMh G2       | *     | 1hr<br>3hrs | 6 cells 2Ah NiMh<br>6 cells 4Ah NiMh |
| 89800332   | EM 03 PRO NiMh G2      | *     | 1hr<br>3hrs | 3 cells 2Ah NiMh<br>3 cells 4Ah NiMh |
| 89800333   | EM 04 PRO NiMh G2      | *     | 1hr<br>3hrs | 4 cells 2Ah NiMh<br>4 cells 4Ah NiMh |
| 89800334   | EM 05 PRO NiMh G2      | *     | 1hr<br>3hrs | 5 cells 2Ah NiMh<br>5 cells 4Ah NiMh |
| 89800335   | EM 06 PRO NiMh G2      | *     | 1hr<br>3hrs | 6 cells 2Ah NiMh<br>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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## 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<br>Lamp 28W 2D                              | 3hrs     | 3     | 230<br>(220 – 240) | 50/60      |
| 89899950    | EM34A<br>Lamps 18, 26W TC-D, 28W<br>T5c, 36W TC-F | 3hrs     | 4     | 230<br>(220 – 240) | 50/60      |
| 89899952    | EM34C<br>Lamp 38W 2D                              | 3hrs     | 4     | 230<br>(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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## 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)<br>or 110V | 50/60      |
| 89800119       | EM 16C BASIC       | 3hrs     | 6 cells 4Ah NiMh | 230 (220 – 240)<br>or 110V | 50/60      |
| 89899864       | EM 13E BASIC       | 3hrs     | 3 cells 4Ah NiMh | 230 (220 – 240)<br>or 110V | 50/60      |
| 89800118       | EM 14C BASIC       | 3hrs     | 4 cells 4Ah NiMh | 230 (220 – 240)<br>or 110V | 50/60      |
| 89895971       | EM 13B BASIC       | 3hrs     | 3 cells 4Ah NiMh | 230 (220 – 240)<br>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)<br>or 110V | 50/60      |
| 89899950       | EM 34A MINI BASIC  | 3hrs     | 4 cells 4Ah NiCd | 230 (220 – 240)<br>or 110V | 50/60      |
| 89899952       | EM 34C MINI BASIC  | 3hrs     | 4 cells 4Ah NiCd | 230 (220 – 240)<br>or 110V | 50/60      |

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## Section 5

### Combined Emergency Modules and Electronic Ballasts for LEDs

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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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## 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<br>Basic CLE NiMh | 3hrs     | 3 - 2Ah         | 230V (220 – 240) | 50/60 Hz |
| 89800176       | EMpowerLED 15W<br>Basic CLE NiCd | 3hrs     | 3<br>-1.5/1.6Ah | 230V (220 – 240) | 50/60 Hz |
| 89800177       | EMpowerLED 15W<br>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<br>hrs | 5 – 4Ah<br>5 – 2Ah | 220-240V    | 50/60 Hz |
| 89800125    | EMpowerLED 4W PRO EZ-3 | 1 / 2 / 3<br>hrs | 5 – 4Ah<br>5 – 2Ah | 220-240V    | 50/60 Hz |
| 89800124    | EMpowerLED 4W ST       | 1 / 2 / 3<br>hrs | 5 – 4Ah<br>5 – 2Ah | 220-240V    | 50/60 Hz |
| 89800123    | EMpowerLED 4W ST       | 1 / 2 / 3<br>hrs | 5 – 4Ah<br>5 – 2Ah | 220-240V    | 50/60 Hz |
| 89800122    | EMpowerLED 4W BASIC    | 1 / 2 / 3<br>hrs | 5 – 4Ah<br>5 – 2Ah | 220-240V    | 50/60 Hz |
| 89800121    | EMpowerLED 4W BASIC    | 1 / 2 / 3<br>hrs | 5 – 4Ah<br>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<br>1hr  | 3 cells 2Ah NiMh<br>2 cells 2Ah NiMh                     | 220 – 240   | 50/60 Hz |
| 89899867    | EMpowerLED 1W ST       | 2hrs & 3hrs<br>1hr  | 3 cells 2Ah NiMh<br>2 cells 2Ah NiMh                     | 220 – 240   | 50/60 Hz |
| 89899858    | EMpowerLED 1W BASIC    | 2hrs & 3hrs<br>1hr  | 3 cells 2Ah NiMh<br>2 cells 2Ah NiMh                     | 220 – 240   | 50/60 Hz |
| 89899860    | EMpowerLED 1W ST       | 2hrs & 3hrs<br>1hr  | 3 cells 2Ah NiMh<br>2 cells 2Ah NiMh                     | 220 – 240   | 50/60 Hz |
| 89800031    | EMpowerLED 1W PRO EZ-3 | 2hrs & 3hrs<br>1hr  | 3 cells 2Ah NiMh<br>2 cells 2Ah NiMh                     | 220 – 240   | 50/60 Hz |
| 89800029    | EMpowerLED 1W PRO EZ-3 | 2hrs & 3hrs<br>1hr  | 3 cells 2Ah NiMh<br>2 cells 2Ah NiMh                     | 220 – 240   | 50/60 Hz |
| 89899866    | EMpowerLED 2W BASIC    | 2hrs & 3hrs<br>1hr  | 3 cells 2Ah NiMh<br>2 cells 2Ah NiMh                     | 220 – 240   | 50/60 Hz |
| 89899859    | EMpowerLED 2W BASIC    | 3hrs<br>2hrs<br>1hr | 5 cells 2Ah NiMh<br>4 cells 2Ah NiMh<br>3 cells 2Ah NiMh | 220 – 240   | 50/60 Hz |
| 89899868    | EMpowerLED 2W ST       | 3hrs<br>2hrs<br>1hr | 5 cells 2Ah NiMh<br>4 cells 2Ah NiMh<br>3 cells 2Ah NiMh | 220 – 240   | 50/60 Hz |
| 89899861    | EMpowerLED 2W ST       | 3hrs<br>2hrs<br>1hr | 5 cells 2Ah NiMh<br>4 cells 2Ah NiMh<br>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<br>2hrs<br>1hr | 5 cells 2Ah NiMh<br>4 cells 2Ah NiMh<br>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<br>1hr   | 5 cells 4Ah NiCd<br>5 cells 1.6Ah NiCd                   | 220 – 240   | 50/60 Hz |
| 89800123       | EMpowerLED 4W ST               | 2hrs, 3hrs<br>1hr   | 5 cells 4Ah NiCd<br>5 cells 1.6Ah NiCd                   | 220 – 240   | 50/60 Hz |
| 89800124       | EMpowerLED 4W ST               | 2hrs, 3hrs<br>1hr   | 5 cells 4Ah NiCd<br>5 cells 1.6Ah NiCd                   | 220 – 240   | 50/60 Hz |
| 89800125       | EMpowerLED 4W PRO EZ-3         | 2hrs, 3hrs<br>1hr   | 5 cells 4Ah NiCd<br>5 cells 1.6Ah NiCd                   | 220 – 240   | 50/60 Hz |
| 89800126       | EMpowerLED 4W PRO EZ-3         | 2hrs, 3hrs<br>1hr   | 5 cells 4Ah NiCd<br>5 cells 1.6Ah NiCd                   | 220 – 240   | 50/60 Hz |
| 89800444       | EMpowerLED 4W BASIC<br>NiMh    | 2hrs, 3hrs<br>1hr   | 5 cells 4Ah NiMh<br>5 cells 2Ah NiMh                     | 220 – 240   | 50/60 Hz |
| 89800445       | EMpowerLED 4W ST NiMh          | 2hrs, 3hrs<br>1hr   | 5 cells 4Ah NiMh<br>5 cells 2Ah NiMh                     | 220 – 240   | 50/60 Hz |
| 89800446       | EMpowerLED 4W PRO EZ-3<br>NiMh | 2hrs, 3hrs<br>1hr   | 5 cells 4Ah NiMh<br>5 cells 2Ah NiMh                     | 220 – 240   | 50/60 Hz |
| 89800112       | EMpowerLED NM 1W 3H<br>BASIC   | Non<br>maintained   | 3 cells 2Ah NiMh or<br>3 cells 1.5/1.6Ah<br>NiCd         | 220 – 240   | 50/60 Hz |
| 89800111       | EMpowerLED NM 1W 3H<br>BASIC   | Non<br>maintained   | 3 cells 2Ah NiMh or<br>3 cells 1.5/1.6Ah<br>NiCd         | 220 – 240   | 50/60 Hz |

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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<br>104 SR 50W 50V | 3hrs<br>1hr | 4 cells 4Ah NiCd/NiMh<br>4 cells 1.6/2.0Ah<br>NiCd/NiMh | 220 – 240   | 50/60 Hz |
| 89800430    | EMpowerLED BASIC FX<br>103 SR 50W 50V | 3hrs<br>1hr | 3 cells 4Ah NiCd/NiMh<br>3 cells 1.6/2.0Ah<br>NiCd/NiMh | 220 – 240   | 50/60 Hz |
| 89800411    | EMpowerLED BASIC FX<br>104 C 50W 50V  | 3hrs<br>1hr | 4 cells 4Ah NiCd/NiMh<br>4 cells 1.6/2.0Ah<br>NiCd/NiMh | 220 – 240   | 50/60 Hz |
| 89800429    | EMpowerLED BASIC FX<br>103 C50W 50V   | 3hrs<br>1hr | 3 cells 4Ah NiCd/NiMh<br>3 cells 1.6/2.0Ah<br>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<br>2 / 3 hrs | 1.6Ah NiCd<br>4.0Ah NiCd |
| 89800433    | EMpowerLED PRO DIM 103 C NiCd 45W 50V  | 1hr<br>2 / 3 hrs | 1.6Ah NiCd<br>4.0Ah NiCd |
| 89800502    | EMpowerLED ST FX 103 C NiMH 45W 50V    | 1hr<br>2 / 3 hrs | 2.0Ah NiMH<br>4.0Ah NiMH |
| 89800504    | EMpowerLED PRO DIM 103 C NiMH 45W 50V  | 1hr<br>2 / 3 hrs | 2.0Ah NiMH<br>4.0Ah NiMH |
| 89800413    | EMpowerLED ST FX 104 C NiCd 45W 50V    | 1hr<br>2 / 3 hrs | 1.6Ah NiCd<br>4.0Ah NiCd |
| 89800415    | EMpowerLED PRO DIM 104 C NiCd 45W 50V  | 1hr<br>2 / 3 hrs | 1.6Ah NiCd<br>4.0Ah NiCd |
| 89800506    | EMpowerLED ST FX 104 C NiMH 45W 50V    | 1hr<br>2 / 3 hrs | 2.0Ah NiMH<br>4.0Ah NiMH |
| 89800508    | EMpowerLED PRO DIM 104 C NiMH 45W 50V  | 1hr<br>2 / 3 hrs | 2.0Ah NiMH<br>4.0Ah NiMH |
| 89800432    | EMpowerLED ST FX 103 SR NiCd 45W 50V   | 1hr<br>2 / 3 hrs | 1.6Ah NiCd<br>4.0Ah NiCd |
| 89800434    | EMpowerLED PRO DIM 103 SR NiCd 45W 50V | 1hr<br>2 / 3 hrs | 1.6Ah NiCd<br>4.0Ah NiCd |
| 89800503    | EMpowerLED ST FX 103 SR NiMH 45W 50V   | 1hr<br>2 / 3 hrs | 2.0Ah NiMH<br>4.0Ah NiMH |
| 89800505    | EMpowerLED PRO DIM 103 SR NiMH 45W 50V | 1hr<br>2 / 3 hrs | 2.0Ah NiMH<br>4.0Ah NiMH |
| 89800414    | EMpowerLED ST FX 104 SR NiCd 45W 50V   | 1hr<br>2 / 3 hrs | 1.6Ah NiCd<br>4.0Ah NiCd |
| 89800416    | EMpowerLED PRO DIM 104 SR NiCd 45W 50V | 1hr<br>2 / 3 hrs | 1.6Ah NiCd<br>4.0Ah NiCd |
| 89800507    | EMpowerLED ST FX 104 SR NiMH 45W 50V   | 1hr<br>2 / 3 hrs | 2.0Ah NiMH<br>4.0Ah NiMH |
| 89800509    | EMpowerLED PRO DIM 104 SR NiMH 45W 50V | 1hr<br>2 / 3 hrs | 2.0Ah NiMH<br>4.0Ah NiMH |

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# ENEC Certificate

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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<br>AUTO TEST EMERGENCY UNIT       | 1 Hr<br>2 Hrs<br>3 Hrs | 3 Cell 2Ah NiMH<br>4 Cells 2Ah NiMH<br>5 Cells 2Ah NiMH |
| 89899866    | EMpowerLED 2W BASIC<br>EMERGENCY UNIT              | 1 Hr<br>2 Hrs<br>3 Hrs | 3 Cell 2Ah NiMH<br>4 Cells 2Ah NiMH<br>5 Cells 2Ah NiMH |
| 89899868    | EMpowerLED 2W ST<br>AUTO TEST EMERGENCY UNIT       | 1 Hr<br>2 Hrs<br>3 Hrs | 3 Cell 2Ah NiMH<br>4 Cells 2Ah NiMH<br>5 Cells 2Ah NiMH |
| 89800032    | EMpowerLED 2W PRO EZ-3<br>AUTO TEST EMERGENCY UNIT | 1 Hr<br>2 Hrs<br>3 Hrs | 3 Cell 2Ah NiMH<br>4 Cells 2Ah NiMH<br>5 Cells 2Ah NiMH |
| 89800030    | EMpowerLED 2W PRO EZ-3<br>AUTO TEST EMERGENCY UNIT | 1 Hr<br>2 Hrs<br>3 Hrs | 3 Cell 2Ah NiMH<br>4 Cells 2Ah NiMH<br>5 Cells 2Ah NiMH |
| 89899859    | EMpowerLED 2W BASIC<br>EMERGENCY UNIT              | 1 Hr<br>2 Hrs<br>3 Hrs | 3 Cell 2Ah NiMH<br>4 Cells 2Ah NiMH<br>5 Cells 2Ah NiMH |
| 89800031    | EMpowerLED 1W PRO EZ-3<br>AUTO TEST EMERGENCY UNIT | 1 Hr<br>2 Hrs<br>3 Hrs | 2 Cell 2Ah NiMH<br>3 Cells 2Ah NiMH<br>3 Cells 2Ah NiMH |
| 89800029    | EMpowerLED 1W PRO EZ-3<br>AUTO TEST EMERGENCY UNIT | 1 Hr<br>2 Hrs<br>3 Hrs | 2 Cell 2Ah NiMH<br>3 Cells 2Ah NiMH<br>3 Cells 2Ah NiMH |
| 89899860    | EMpowerLED 1W ST<br>AUTO TEST EMERGENCY UNIT       | 1 Hr<br>2 Hrs<br>3 Hrs | 2 Cell 2Ah NiMH<br>3 Cells 2Ah NiMH<br>3 Cells 2Ah NiMH |
| 89899858    | EMpowerLED 1W BASIC<br>EMERGENCY UNIT              | 1 Hr<br>2 Hrs<br>3 Hrs | 2 Cell 2Ah NiMH<br>3 Cells 2Ah NiMH<br>3 Cells 2Ah NiMH |
| 89899865    | EMpowerLED 1W BASIC<br>EMERGENCY UNIT              | 1 Hr<br>2 Hrs<br>3 Hrs | 2 Cell 2Ah NiMH<br>3 Cells 2Ah NiMH<br>3 Cells 2Ah NiMH |
| 89899867    | EMpowerLED 1W ST<br>AUTO TEST EMERGENCY UNIT       | 1 Hr<br>2 Hrs<br>3 Hrs | 2 Cell 2Ah NiMH<br>3 Cells 2Ah NiMH<br>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<br>2.4 to 7.2V<br>1.5 to 6 Ah<br>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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## 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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## 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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## 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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## 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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## 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<br>2 & 3 Hrs | 3 Cell 2Ah NiMh<br>3 Cell 4Ah NiMh |
| 89800549       | EM converterLED PRO 104 50V TX  | 1 Hr<br>2 & 3 Hrs | 4 Cell 2Ah NiMh<br>4 Cell 4Ah NiMh |
| 89800550       | EM converterLED PRO 104 200V TX | 1 Hr<br>2 & 3 Hrs | 4 Cell 2Ah NiMh<br>4 Cell 4Ah NiMh |
| 89800551       | EM converterLED PRO 105 200V TX | 1 Hr<br>2 & 3 Hrs | 5 Cell 2Ah NiMh<br>5 Cell 4Ah NiMh |

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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<br>Clip fix    | 3Hrs     | 3 Cell 2Ah NiMh<br>3 Cell 1.5/1.6Ah NiCd |
| 89800112       | EMpowerLED NM 1W 3H BASIC<br>Screw fix   | 3Hrs     | 3 Cell 2Ah NiMh<br>3 Cell 1.5/1.6Ah NiCd |
| 89800553       | EMpowerLED BASIC NM 2W NiCd<br>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 &<br>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 &<br>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<br>BASIC 202 NiCd 50V | 1 Hr<br>3 Hrs | 2 cells 1.6Ah NiCd<br>2 cells 4Ah NiCd |
| 89800559       | EMconverterLED<br>BASIC 203 NiCd 50V | 1 Hr<br>3 Hrs | 3 cells 1.6Ah NiCd<br>3 cells 4Ah NiCd |
| 89800560       | EMconverterLED<br>BASIC 204 NiCd 50V | 1 Hr<br>3 Hrs | 4 cells 1.6Ah NiCd<br>4 cells 4Ah NiCd |
| 89800561       | EMconverterLED<br>BASIC 203 NiCd 90V | 1 Hr<br>3 Hrs | 3 cells 1.6Ah NiCd<br>3 cells 4Ah NiCd |
| 89800562       | EMconverterLED<br>BASIC 204 NiCd 90V | 1 Hr<br>3 Hrs | 4 cells 1.6Ah NiCd<br>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<br>3 Hrs | 3 Cells 1.6Ah NiCd / 2.2Ah NiMH<br>3 Cells 4Ah NiCd / 2.2Ah NiMH |
| 89800563       | EMconverterLED BASIC 204 NiCd / NiMH | 1 Hr<br>3 Hrs | 4 Cells 1.6Ah NiCd / 2.2Ah NiMH<br>4 Cells 4Ah NiCd / 2.2Ah NiMH |
| 89800564       | EMconverterLED BASIC 205 NiCd / NiMH | 1 Hr<br>3 Hrs | 4 Cells 1.6Ah NiCd / 2.2Ah NiMH<br>4 Cells 4Ah NiCd / 2.2Ah NiMH |

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## Section 6 (continued)

| Article number | Description                      | Duration        | Battery                                                  |
|----------------|----------------------------------|-----------------|----------------------------------------------------------|
| 89800182       | EM converterLED ST 104 50V       | 1 Hr<br>3 Hrs   | 4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>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<br>2/3 Hrs | 4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>4 Cell 4Ah Ni-Cd/NiMh |
| 89800191       | EM converterLED ST 105 90V       | 1 Hr<br>3 Hrs   | 5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>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<br>3 Hrs   | 4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>4 Cell 4Ah Ni-Cd/NiMh |
| 89800311       | EM converterLED ST 105 200V      | 1 Hr<br>3 Hrs   | 5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>5 Cell 4Ah Ni-Cd/NiMh |
| 89800184       | EM converterLED PRO 103 50V      | 1 Hr<br>2/3 Hrs | 3 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>3 Cell 4Ah Ni-Cd/NiMh |
| 89800185       | EM converterLED PRO 104 50V      | 1 Hr<br>2/3 Hrs | 4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>4 Cell 4Ah Ni-Cd/NiMh |
| 89800186       | EM converterLED PRO 134 NiCd 50V | 1 Hr<br>3 Hrs   | 4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>4 Cell 4Ah Ni-Cd/NiMh |
| 89800193       | EM converterLED PRO 104 90V      | 1 Hr<br>2/3 Hrs | 4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>4 Cell 4Ah Ni-Cd/NiMh |
| 89800194       | EM converterLED PRO 105 90V      | 1 Hr<br>2/3 Hrs | 5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>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<br>2/3 Hrs | 4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>4 Cell 4Ah Ni-Cd/NiMh |
| 89800313       | EM converterLED PRO 105 200V     | 1 Hr<br>2/3 Hrs | 5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>5 Cell 4Ah Ni-Cd/NiMh |

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## Section 6 (continued)

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

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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<br>2/3 Hrs | 3 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>3 Cell 4Ah Ni-Cd/NiMh |
| 89800185    | EM converterLED PRO 104 50V      | 1 Hr<br>2/3 Hrs | 4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>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<br>2/3 Hrs | 4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>4 Cell 4Ah Ni-Cd/NiMh |
| 89800194    | EM converterLED PRO 105 90V      | 1 Hr<br>2/3 Hrs | 5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>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<br>3 Hrs   | 4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>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<br>2/3 Hrs | 4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>4 Cell 4Ah Ni-Cd/NiMh |
| 89800191    | EM converterLED ST 105 90V       | 1 Hr<br>3 Hrs   | 5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>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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## 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<br>2/3 Hrs | 3 Cell 2Ah NiMh<br>3 Cell 4Ah NiMh |
| 89800317       | EM converterLED ST 104 NiMH 50V     | 1 Hr<br>2/3 Hrs | 4 Cell 2Ah NiMh<br>4 Cell 4Ah NiMh |
| 89800322       | EM converterLED ST 104 NiMH 90V     | 1 Hr<br>3 Hrs   | 4 Cell 2Ah NiMh<br>4 Cell 4Ah NiMh |
| 89800323       | EM converterLED ST 105 NiMH 90V     | 1 Hr<br>2/3 Hrs | 5 Cell 2Ah NiMh<br>5 Cell 4Ah NiMh |
| 89800328       | EM converterLED ST 104 NiMH 200V    | 1 Hr<br>2/3 Hrs | 4 Cell 2Ah NiMh<br>4 Cell 4Ah NiMh |
| 89800329       | EM converterLED ST 105 NiMH 200V    | 1 Hr<br>2/3 Hrs | 5 Cell 2Ah NiMh<br>5 Cell 4Ah NiMh |
| 89800318       | EM converterLED PRO 103 NiMH 50V    | 1 Hr<br>2/3 Hrs | 3 Cell 2Ah NiMh<br>3 Cell 4Ah NiMh |
| 89800319       | EM converterLED PRO 104 NiMH 50V    | 1 Hr<br>2/3 Hrs | 4 Cell 2Ah NiMh<br>4 Cell 4Ah NiMh |
| 89800324       | EM converterLED PRO 104 NiMH 90V    | 1 Hr<br>3 Hrs   | 4 Cell 2Ah NiMh<br>4 Cell 4Ah NiMh |
| 89800325       | EM converterLED PRO 105 NiMH 90V    | 1 Hr<br>2/3 Hrs | 5 Cell 2Ah NiMh<br>5 Cell 4Ah NiMh |
| 89800330       | EM converterLED PRO 104 NiMH 200V   | 1 Hr<br>2/3 Hrs | 4 Cell 2Ah NiMh<br>4 Cell 4Ah NiMh |
| 89800331       | EM converterLED PRO 105 NiMH 200V   | 1 Hr<br>2/3 Hrs | 5 Cell 2Ah NiMh<br>5 Cell 4Ah NiMh |
| 89800532       | EM converterLED PRO PT 103 NiMH 50V | 1 Hr<br>2/3 Hrs | 4 Cell 2Ah NiMh<br>4 Cell 4Ah NiMh |

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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                                                    |
|-------------|------------------------------|-----------------|----------------------------------------------------------|
| 89800310    | EM converterLED ST 104 200V  | 1 Hr<br>3 Hrs   | 4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>4 Cell 4Ah Ni-Cd/NiMh |
| 89800311    | EM converterLED ST 105 200V  | 1 Hr<br>3 Hrs   | 5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>5 Cell 4Ah Ni-Cd/NiMh |
| 89800312    | EM converterLED PRO 104 200V | 1 Hr<br>2/3 Hrs | 4 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>4 Cell 4Ah Ni-Cd/NiMh |
| 89800313    | EM converterLED PRO 105 200V | 1 Hr<br>2/3 Hrs | 5 Cell 1.6Ah Ni-Cd / 2.0Ah NiMh<br>5 Cell 4Ah Ni-Cd/NiMh |

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# ENEC Certificate

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## Section 7

### LED driver modules

| Report Number | Article No. | Description |
|---------------|-------------|-------------|
|---------------|-------------|-------------|

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

|              |          |                                   |
|--------------|----------|-----------------------------------|
| 2413/8093422 | 89800307 | LCBI 25W 700mA BASIC PHASE-CUT SR |
|--------------|----------|-----------------------------------|

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

|              |          |                                 |
|--------------|----------|---------------------------------|
| 2413/8083079 | 89800290 | LCBU 25W 12V BASIC phase-cut sr |
|--------------|----------|---------------------------------|

Input voltage 220-240V ~ 0/50/60 Hz ta +55°C

|              |          |                          |
|--------------|----------|--------------------------|
| 2413/8225859 | 89800435 | EMpowerLED CPS FX LP 80W |
|--------------|----------|--------------------------|

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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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 7 (continued)

| Report Number | Article No. | Description |
|---------------|-------------|-------------|
|---------------|-------------|-------------|

Tridonic Input voltage 220/240V ~ 50/60 Hz ta +60°C

|              |          |                                  |
|--------------|----------|----------------------------------|
| 2413/8111981 | 89800394 | LCBI 8W 350mA BASIC PHASE-CUT SR |
|--------------|----------|----------------------------------|

Tridonic Input voltage 220/240V ~ 50/60 Hz ta +55°C

|              |          |                             |
|--------------|----------|-----------------------------|
| 2413/8112140 | 89800400 | LCBI 15W 350mA BASIC LP THO |
|--------------|----------|-----------------------------|

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

|              |          |                                 |
|--------------|----------|---------------------------------|
| 2413/8063669 | 89800289 | LCBU 10W 12V BASIC PHASE-CUT SR |
|--------------|----------|---------------------------------|

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<br>-5°C to + 50°C Pout > 45W |
| 89800437    | EMpowerLED CPS FX SR 50W 50V | + 80°C | -5°C to + 50°C Pout <= 40W<br>-5°C to + 40°C Pout > 40W |

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