

## FEATURES

- Reliable solution without power supply
- Smooth flicker-free dimming to 0,1%
- Practically no inrush current
- Warm dim version available



HV-FD 80°



HV-FD 40°

## COLOURS

Available colours:



| Housing    | Inside ring      |
|------------|------------------|
| RAL 9016   |                  |
| Matt white | / Gold (XX=61)   |
| Matt white | / Silver (XX=63) |
| Matt white | / Copper (XX=64) |
| Matt white | / Black (XX=62)  |



| Housing    | Inside ring      |
|------------|------------------|
| RAL 9005   |                  |
| Matt black | / Gold (XX=71)   |
| Matt black | / Silver (XX=74) |
| Matt black | / Copper (XX=75) |
| Matt black | / Black (XX=72)  |

# Topp 100 HV-FD

Surface mounted

## SPECIFICATIONS

|                                           |                                                                                                                               |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Input voltage                             | 220-240Vac                                                                                                                    |
| Beam angle (FWHM)                         | 40° / 80°                                                                                                                     |
| Fixture material                          | Housing: Die cast aluminium / Optic: PMMA                                                                                     |
| Environment                               | Indoor                                                                                                                        |
| IK rate                                   | IK03                                                                                                                          |
| Inrush current (peak / duration)          | <100mA / 0 µs (soft start)                                                                                                    |
| Max. quantity per type B 16A              | 360 pcs.                                                                                                                      |
| Mains surge capability (between L - N)    | 2 kV (differential mode (DM))                                                                                                 |
| Mains surge capability (between L/N - PE) | 4 kV (common mode (CM))                                                                                                       |
| % Flicker (Conform IEEE P1789 Standard)   | Typical 0,4%                                                                                                                  |
| Flicker index                             | <0,1                                                                                                                          |
| Dimming range                             | 100-1%                                                                                                                        |
| THD                                       | 15%                                                                                                                           |
| Operating temperature (Ta)                | -20°C / +45°C                                                                                                                 |
| Safety marks                              | EN60598 / EN62031 / EN62471                                                                                                   |
| EMC compliance                            | EN55015                                                                                                                       |
| Colour consistency (SDCM)                 | MacAdam step 3                                                                                                                |
| Warranty                                  | 7 years * (within the European Union and the countries of the Free Trade Association for products delivered after 1 May 2015) |
| Energy class                              | A                                                                                                                             |

This luminaire contains built-in LED lamps. There are no exchangeable parts inside the luminaire. EU 874/2012



IP20

## TOPP 100 220-240V



### ITEM SPECIFICATIONS (PART A)

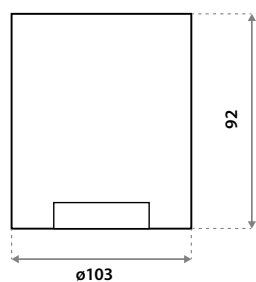
| Description                                    | Item code    | Input    | W    | Lm  | Lm/W | CRI (typ.) | UGR  | Pf   |
|------------------------------------------------|--------------|----------|------|-----|------|------------|------|------|
| Topp 100 HV-FD 2700K 600 Lm 40° Triac dim      | 7A2A03XX5A02 | 220-240V | 10,5 | 600 | 57   | 93         | 23.2 | 0.99 |
| Topp 100 HV-FD 3000K 600 Lm 40° Triac dim      | 7A2A03XX5C02 | 220-240V | 10,3 | 600 | 58   | 93         | 23.2 | 0.99 |
| Topp 100 HV-FD 4000K 600 Lm 40° Triac dim      | 7A2A03XX5E02 | 220-240V | 10,1 | 600 | 59   | 93         | 23.2 | 0.99 |
| Topp 100 HV-FD 2200-3000K 600 Lm 40° Triac dim | 7A2A03XX5G02 | 220-240V | 10,3 | 600 | 58   | 93         | 23.2 | 0.99 |
| Topp 100 HV-FD 2700K 600 Lm 80° Triac dim      | 7A2A03XX5B02 | 220-240V | 10,5 | 600 | 57   | 93         | 24.5 | 0.99 |
| Topp 100 HV-FD 3000K 600 Lm 80° Triac dim      | 7A2A03XX5D02 | 220-240V | 10,3 | 600 | 58   | 93         | 24.5 | 0.99 |
| Topp 100 HV-FD 4000K 600 Lm 80° Triac dim      | 7A2A03XX5F02 | 220-240V | 10,1 | 600 | 59   | 93         | 24.5 | 0.99 |
| Topp 100 HV-FD 2200-3000K 600 Lm 80° Triac dim | 7A2A03XX5H02 | 220-240V | 10,3 | 600 | 58   | 93         | 24.5 | 0.99 |

### ITEM SPECIFICATIONS (PART B)

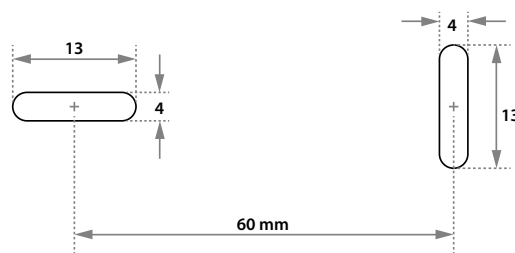
| Description                                    | Safety class | Energy class | Weight | Dimensions single carton | Quantity per carton | Expected lifespan (25°C) |             |             |
|------------------------------------------------|--------------|--------------|--------|--------------------------|---------------------|--------------------------|-------------|-------------|
|                                                |              |              |        |                          |                     | L70B50                   | L80B50      | L90B50      |
| Topp 100 HV-FD 2700 600 Lm K 40° Triac dim     | II           | A            | 415 gr | 105x105x105 mm           | 35 pcs              | >70.000 hrs              | >70.000 hrs | >54.000 hrs |
| Topp 100 HV-FD 3000K 600 Lm 40° Triac dim      | II           | A            | 415 gr | 105x105x105 mm           | 35 pcs              | >70.000 hrs              | >70.000 hrs | >54.000 hrs |
| Topp 100 HV-FD 4000K 600 Lm 40° Triac dim      | II           | A            | 415 gr | 105x105x105 mm           | 35 pcs              | >70.000 hrs              | >70.000 hrs | >54.000 hrs |
| Topp 100 HV-FD 2200-3000K 600 Lm 40° Triac dim | II           | A            | 415 gr | 105x105x105 mm           | 35 pcs              | >70.000 hrs              | >70.000 hrs | >54.000 hrs |
| Topp 100 HV-FD 2700K 600 Lm 80° Triac dim      | II           | A            | 415 gr | 105x105x105 mm           | 35 pcs              | >70.000 hrs              | >70.000 hrs | >54.000 hrs |
| Topp 100 HV-FD 3000K 600 Lm 80° Triac dim      | II           | A            | 415 gr | 105x105x105 mm           | 35 pcs              | >70.000 hrs              | >70.000 hrs | >54.000 hrs |
| Topp 100 HV-FD 4000K 600 Lm 80° Triac dim      | II           | A            | 415 gr | 105x105x105 mm           | 35 pcs              | >70.000 hrs              | >70.000 hrs | >54.000 hrs |
| Topp 100 HV-FD 2200-3000K 600 Lm 80° Triac dim | II           | A            | 415 gr | 105x105x105 mm           | 35 pcs              | >70.000 hrs              | >70.000 hrs | >54.000 hrs |

All values are measured at 230V (+/- 7%)

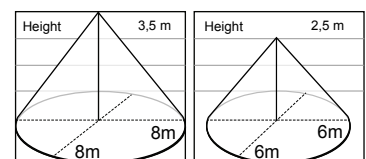
### DIMENSIONS



### FIXATION DIMENSIONS



### DETECTION AREA



| Manufacturer       | Product ID        | Type | Power  | Wires* | Dimming range |       |       |       |
|--------------------|-------------------|------|--------|--------|---------------|-------|-------|-------|
|                    |                   |      |        |        | HV-IC         |       | HV-FD |       |
|                    |                   |      |        |        | min %         | max % | min % | max % |
| ABB                | 6523U             | RL   | 2-100  | 2      | x             | x     | ✓ 1,0 | ✓ 97  |
| Busch&Jaeger       | 2247U             | RL   | 60-500 | 2      | x             | x     | ✓ 0,0 | ✓ 98  |
| Busch&Jaeger       | 2250U             | R    | 60-600 | 2      | 2,0           | 63    | ✓ 0,3 | ✓ 100 |
| Busch&Jaeger       | 6514 UJ-5         | RC   | 20-420 | 3      | 7,0           | ✓ 97  | 10,0  | ✓ 100 |
| Casambi            | CBU-TED Bluetooth | RC   | 1-100  | 3      | ✓ 0,1         | ✓ 100 | ✓ 0,1 | ✓ 100 |
| CTM Lyng           | MDimLed           | LED  | 1-200  | 3      | ✓ 0,6         | ✓ 100 | ✓ 0,0 | ✓ 100 |
| Dimmax (Trump)     | 420SL             | RLC  | 1-200  | 3      | 4,0           | ✓ 100 | 2,1   | ✓ 98  |
| Drespa             | 814               | R    | 60-400 | 2      | x             | x     | x     | x     |
| Eaton LED          | CDAU-01/04        | RLC  | 0-250  | 3      | 2,0           | ✓ 100 | 2,0   | ✓ 100 |
| Elko               | 315GLE            | RC   | 20-315 | 2      | 1,5           | ✓ 95  | ✓ 0,2 | ✓ 96  |
| Elko               | 400GLI            | RL   | 40-400 | 2      | x             | x     | ✓ 0,0 | ✓ 98  |
| Eltako             | EUD61NPN-UC       | RLC  | 400    | 3      | 5,5           | ✓ 100 | 2,9   | ✓ 95  |
| Feller             | 40420             | RLC  | 20-420 | 2      | x             | x     | ✓ 0,8 | ✓ 100 |
| Feller             | 402001 LED        | RLC  | 4-200  | 2      | 12,0          | 90    | 18,0  | ✓ 100 |
| Feller             | 40300 RC          | RC   | 20-300 | 2      | 6,0           | ✓ 100 | 6,8   | ✓ 95  |
| Feller             | 40600 RL          | RL   | 20-300 | 2      | ✓ 0,1         | 89    | ✓ 0,0 | ✓ 96  |
| Feller Zepitron    | 3306              | UNI  | 25-420 | 3      | 11,0          | 91    | 14,0  | ✓ 100 |
| Gira               | 1184 00/101       | R    | 60-200 | 2      | x             | x     | ✓ 0,2 | ✓ 97  |
| IPAS               | 9240016           | RC   | 35-400 | 2      | 3,0           | 79    | 4,0   | ✓ 100 |
| Ipas               | HD300             | LED  | 10-300 | 2      | 6,8           | 64    | 4,7   | 81    |
| Legrand            | 0 02671           | LED  | 3-75   | 3      | 7,4           | ✓ 96  | 6,3   | ✓ 96  |
| Legrand (Bfinico)  | L-N-NT4411N       | LED  | 3-75   | 2      | 5,2           | 92    | 3,4   | ✓ 95  |
| Lumiko / Klemko    | D-PAF-200-LED     | RC   | 1-200  | 2      | ✓ 0,1         | 93    | ✓ 0,0 | ✓ 98  |
| Lutron             | QSNE 4 AD         | RC   | 0-800  | 3      | 0,0           | 0     | 0,0   | 0     |
| Merten             | MTN577899         | RC   | 20-315 | 2      | 12,0          | 81    | 16,0  | ✓ 100 |
| MK elements        | K34100            | LED  | 6-150  | 3      | x             | x     | x     | x     |
| MK elements        | K34103            | LED  | 35-500 | 3      | x             | x     | x     | x     |
| Niko               | 310-014XX         | R    | 5-200  | 2      | x             | x     | x     | x     |
| Niko               | 310-016           | RL   | 50-400 | 2      | 6,0           | ✓ 96  | 2,0   | ✓ 99  |
| Niko               | 310-017XX         | RC   | 20-250 | 2      | 16,0          | 78    | 22,4  | ✓ 95  |
| Niko               | 310-0190X         | Uni  | 5-325  | 3      | ✓ 0,7         | ✓ 100 | ✓ 0,0 | ✓ 98  |
| Niko               | 310-0260          | RL   | 40-550 | 2      | 5,9           | 86    | 6,3   | ✓ 99  |
| Niko               | 310-02701         | LED  | 40-300 | 2      | 8,0           | 74    | 10,4  | ✓ 96  |
| Niko               | 310-0280X         | LED  | 2-100  | 3      | 2,2           | ✓ 100 | 4,7   | ✓ 96  |
| Niko               | 310-0390X         | Uni  | 3-200  | 2      | 1,5           | 92    | ✓ 0,0 | ✓ 95  |
| Niko               | 330-0700          | LED  | 5-350  | 3      | ✓ 0,7         | ✓ 100 | ✓ 0,1 | ✓ 100 |
| Peha               | 433               | R    | 20-250 | 2      | ✓ 0,1         | 92    | ✓ 0,0 | 94    |
| Qbus               | Dim02SA/500       | uni  | 2-500  | 3      | 2,0           | ✓ 100 | ✓ 0,1 | ✓ 100 |
| RAKO               | RMT-500           | RC   | 1-500  | 3      | ✓ 0,1         | ✓ 100 | ✓ 0,0 | ✓ 100 |
| RAKO               | RMT-PILL          | RC   | 1-250  | 3      | ✓ 0,6         | ✓ 97  | ✓ 0,1 | ✓ 98  |
| Schneider (Merten) | SBD315RC          | RC   | 20-315 | 2      | 12,0          | ✓ 99  | 15,6  | ✓ 96  |
| Schneider (Merten) | SBD400R-1/MTN5131 | R    | 40-400 | 2      | x             | x     | 2,5   | ✓ 98  |
| Schneider (Merten) | SBD600 RL         | RL   | 40-600 | 2      | x             | x     | ✓ 0,0 | ✓ 96  |
| Schneider (Merten) | SBD600RCRL        | RLC  | 20-600 | 2      | 1,3           | 92    | ✓ 0,5 | ✓ 98  |
| Schneider/Merten   | MTN5171           | RLC  | 10-420 | 2      | 5,8           | 80    | 8,0   | ✓ 99  |
| Schneider/Merten   | SBD200/MEG 5134   | RLC  | 4-400  | 2      | 12,0          | 85    | 18,0  | ✓ 100 |
| Simon Electric     | DS9T2             |      | 5-315  | 3      | ✓ 0,2         | ✓ 97  | ✓ 0,1 | ✓ 100 |
| Unilamp            | KDT-500E          | LED  | 5-500  | 2      | 8,0           | 85    | 13,0  | 94    |
| Unilamp            | KDT-500E2         | LED  | 5-500  | 3      | 3,6           | 65    | 1,6   | 89    |
| Unilamp/Luzense    | KTD-500 E4        | LED  | 5-500  | 2      | 1,6           | 82    | ✓ 0,4 | ✓ 100 |

✓ = Recommended    x = Not recommended    Please check our website for the latest information.

\* 2 = No neutral required; 3 = Neutral required.