

FEATURES

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



HV-FD 40°



HV-FD 80°

COLOURS

Available colours:



Matt white RAL 9016 (XX=MW)
Matt black RAL 9005 (XX=BL)

Cylinder 100 HV-FD

Surface mounted

DRIVERLESS

Can be connected
directly to
220-240V

SPECIFICATIONS

| | |
|---|---|
| Input voltage | 220-240Vac |
| Beam angle (FWHM) | 40° / 80° |
| Fixture material | Housing: Die cast aluminium / Reflector glass: Polycarbonate |
| 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 ¹ |
| 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 | These products contains a light source of energy efficiency class G |

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

¹ In applications with a flat roof (fi. car showrooms) the temperatures may exceed 45°C. Please ask our sales office for a special driver.



IP20

CYLINDER 100 220-240V



ITEM SPECIFICATIONS (PART A)

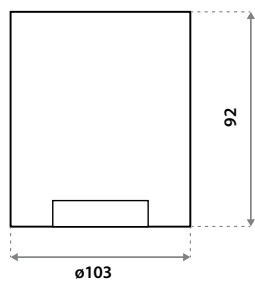
| Description | Item code | Input | W | Lm | Lm/W | CRI (typ.) | UGR | Pf |
|--|--------------|----------|------|-----|------|------------|------|------|
| Cylinder 100 HV-FD 2700K 800 Lm 40° Triac dim | 752A03XX5A02 | 220-240V | 10,5 | 800 | 76 | 93 | 15.7 | 0.99 |
| Cylinder 100 HV-FD 3000K 800 Lm 40° Triac dim | 752A03XX5C02 | 220-240V | 10,3 | 800 | 78 | 93 | 15.7 | 0.99 |
| Cylinder 100 HV-FD 4000K 600 Lm 40° Triac dim | 752A03XX5E02 | 220-240V | 10,1 | 600 | 59 | 93 | 14.7 | 0.99 |
| Cylinder 100 HV-FD 2200-3000K 600 Lm 40° Triac dim | 752A03XX5G02 | 220-240V | 10,3 | 600 | 58 | 93 | 14.7 | 0.99 |
| Cylinder 100 HV-FD 2700K 800 Lm 80° Triac dim | 752A03XX5B02 | 220-240V | 10,5 | 800 | 76 | 93 | 26.9 | 0.99 |
| Cylinder 100 HV-FD 3000K 800 Lm 80° Triac dim | 752A03XX5D02 | 220-240V | 10,3 | 800 | 78 | 93 | 26.9 | 0.99 |
| Cylinder 100 HV-FD 4000K 600 Lm 80° Triac dim | 752A03XX5F02 | 220-240V | 10,1 | 600 | 59 | 93 | 25.9 | 0.99 |
| Cylinder 100 HV-FD 2200-3000K 600 Lm 80° Triac dim | 752A03XX5H02 | 220-240V | 10,3 | 600 | 58 | 93 | 25.9 | 0.99 |

ITEM SPECIFICATIONS (PART B)

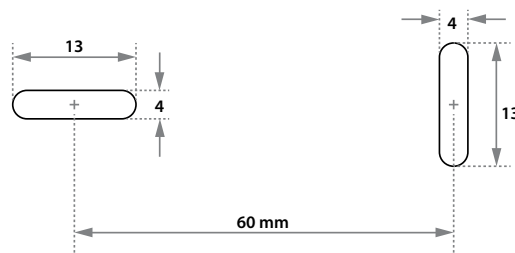
| Description | Safety class | Energy class | Weight | Dimensions single carton | Quantity per carton | Expected lifespan (25°C) | | |
|--|--------------|--------------|--------|--------------------------|---------------------|--------------------------|-------------|-------------|
| | | | | | | L70B50 | L80B50 | L90B50 |
| Cylinder 100 HV-FD 2700K 800 Lm K 40° Triac dim | II | G | 410 gr | 105x105x105 mm | 35 pcs | >70.000 hrs | >70.000 hrs | >54.000 hrs |
| Cylinder 100 HV-FD 3000K 800 Lm 40° Triac dim | II | G | 410 gr | 105x105x105 mm | 35 pcs | >70.000 hrs | >70.000 hrs | >54.000 hrs |
| Cylinder 100 HV-FD 4000K 600 Lm 40° Triac dim | II | G | 410 gr | 105x105x105 mm | 35 pcs | >70.000 hrs | >70.000 hrs | >54.000 hrs |
| Cylinder 100 HV-FD 2200-3000K 600 Lm 40° Triac dim | II | G | 410 gr | 105x105x105 mm | 35 pcs | >70.000 hrs | >70.000 hrs | >54.000 hrs |
| Cylinder 100 HV-FD 2700K 800 Lm 80° Triac dim | II | G | 410 gr | 105x105x105 mm | 35 pcs | >70.000 hrs | >70.000 hrs | >54.000 hrs |
| Cylinder 100 HV-FD 3000K 800 Lm 80° Triac dim | II | G | 410 gr | 105x105x105 mm | 35 pcs | >70.000 hrs | >70.000 hrs | >54.000 hrs |
| Cylinder 100 HV-FD 4000K 600 Lm 80° Triac dim | II | G | 410 gr | 105x105x105 mm | 35 pcs | >70.000 hrs | >70.000 hrs | >54.000 hrs |
| Cylinder 100 HV-FD 2200-3000K 600 Lm 80° Triac dim | II | G | 410 gr | 105x105x105 mm | 35 pcs | >70.000 hrs | >70.000 hrs | >54.000 hrs |

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

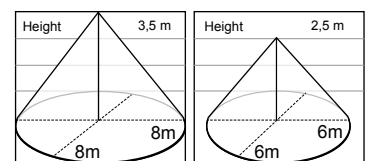
DIMENSIONS



FIXATION DIMENSIONS



DETECTION AREA



RECOMMENDED DIMMER LIST ILLUXTRON HV-FD DOWNLIGHTS

| | Manufacturer | Product ID | Type | Power | Neutral | RCS | Range | |
|---|-------------------|---------------------|------|--------|-----------|-----------|------------|------------|
| | | | | | 1) | 2) | min | max |
| Flush mounted dimmers | | | | | 1) | 2) | min | max |
| 1 | ABB-Busch&Jaeger | 6523 UR 103 | RLC | 2-400 | X | x | 0,2 | 100 |
| 2 | CTM Lyng | MDimLed | LED | 1-200 | Y | x | 0,0 | 100 |
| 3 | Gira Berker Jung | 1183 00/101 | RL | 20-500 | X | ? | 0,0 | 99 |
| 4 | Gira Berker Jung | 1184 00/101 | R | 60-200 | X | x | 0,2 | 97 |
| 5 | Legrand | 0 02671 | LED | 3-75 | Y | ? | 6,3 | 96 |
| 6 | Legrand (Btinico) | L-N-NT4411N | LED | 3-75 | X | ? | 3,4 | 95 |
| 7 | Lumiko /Klemko | D-PAF-200-LED | RC | 1-200 | X | x | 0,0 | 98 |
| 8 | Lutron | RRK-R25NE-240 | LED | 1-250 | Y | x | 0,1 | 98 |
| 9 | Niko | 310-0190X | Uni | 5-325 | Y | ✓ | 0,0 | 98 |
| 10 | Niko | 310-0290X | LED | 3-300 | X | ✓ | 0,1 | 99 |
| 11 | Niko | 310-0390X | Uni | 3-200 | X | ✓ | 0,0 | 95 |
| 14 | Feller | 40600 RL | RL | 20-300 | X | x | 0,0 | 96 |
| 15 | Merten | SBD SPL | RL | 9-100 | X | ? | 0,2 | 100 |
| 16 | Merten | SBD600 RL | RL | 40-600 | X | x | 0,0 | 96 |
| 17 | Simon Electric | DS9T2 | | 5-315 | Y | x | 0,1 | 100 |
| 18 | Unilamp/Belid | KDT 250 E-1 | LED | 5-250 | X | ? | 0,7 | 98 |
| 19 | Unilamp/Luzense | KTD-500 E4 | LED | 5-500 | X | x | 0,4 | 100 |
| Wireless remote controlled dimmers (Bluetooth, Zigbee, RF) | | | | | 1) | 2) | min | max |
| 20 | Casambi | CBU-TED Bluetooth | RC | 1-100 | Y | x | 0,1 | 100 |
| 21 | Dimmax (Trump) | 420BLE | RLC | 1-380 | Y | | | |
| 22 | Eaton LED | CDAU-01/04 | RLC | 0-250 | Y | x | 2,0 | 100 |
| 23 | RAKO | RMT-500 | RC | 1-500 | Y | ✓ | 0,0 | 100 |
| 24 | RAKO | RMT-PILL | RC | 1-250 | Y | ✓ | 0,1 | 98 |
| Wired remote control dimmers (pulse, Din-rail etc) | | | | | 1) | 2) | min | max |
| 25 | Dimmax (Trump) | 420SL | RLC | 1-200 | Y | x | 2,1 | 98 |
| 26 | Eltako | EUD61NPN-UC | RLC | 400 | Y | x | 2,9 | 95 |
| 27 | Niko | 330-0700(=330-0701) | LED | 5-350 | Y | ✓ | 0,1 | 100 |
| 28 | Qbus | Dim02SA/500 | uni | 2-500 | Y | ✓ | 0,1 | 100 |

1) **Y** = neutral required; **X** = no neutral required

2) **x** = sensitive to RCS signals e.g. flicker; **✓** = not sensitive to RCS

This list is based on measurements in a lab environment with nominal voltage, a different voltage may result in a different dimming range. Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performance of LED products. Illuxtron cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers. Disclaimer: Illuxtron will not accept claims for any damage caused by implementing the recommendations in this document.