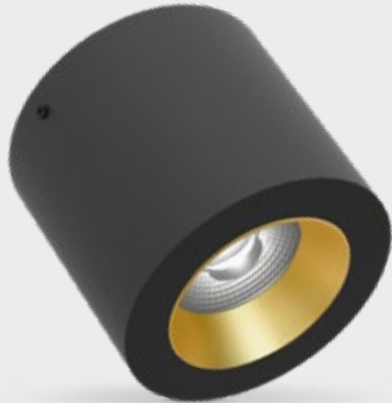
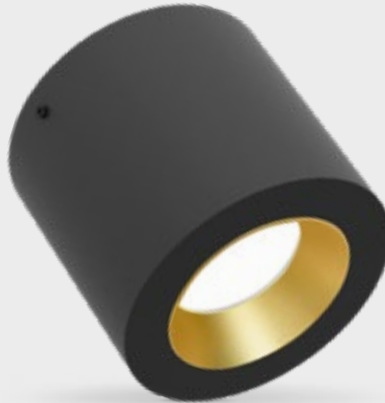


## FEATURES

- 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:



| Nr    | Housing    | Inside ring |
|-------|------------|-------------|
|       | RAL 9016   |             |
| XX=61 | Matt white | Gold        |
| XX=63 | Matt white | Silver      |
| XX=62 | Matt white | Black       |
| XX=65 | Matt white | White       |



| Nr    | Housing    | Inside ring |
|-------|------------|-------------|
|       | RAL 9005   |             |
| XX=71 | Matt black | Gold        |
| XX=74 | Matt black | Silver      |
| XX=72 | Matt black | Black       |
| XX=76 | Matt black | White       |

# Vector 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                                                                                                                 |
| 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

MADE IN  
HOLLAND

7 YEAR  
WARRANTY

ECO

IP20

VECTOR 100

220-240V



ITEM SPECIFICATIONS (PART A)

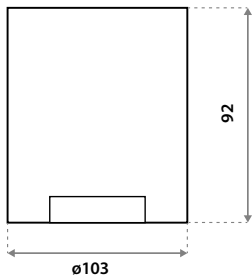
| Description                                      | Item code    | Input    | W    | Lm  | Lm/W | CRI (typ.) | UGR  | Pf   |
|--------------------------------------------------|--------------|----------|------|-----|------|------------|------|------|
| Vector 100 HV-FD 2700K 600 Lm 40° Triac dim      | 7B2A03XX5A02 | 220-240V | 10,5 | 600 | 57   | 93         | 14.7 | 0.99 |
| Vector 100 HV-FD 3000K 600 Lm 40° Triac dim      | 7B2A03XX5C02 | 220-240V | 10,3 | 600 | 58   | 93         | 14.7 | 0.99 |
| Vector 100 HV-FD 4000K 600 Lm 40° Triac dim      | 7B2A03XX5E02 | 220-240V | 10,1 | 600 | 59   | 93         | 14.7 | 0.99 |
| Vector 100 HV-FD 2200-3000K 600 Lm 40° Triac dim | 7B2A03XX5G02 | 220-240V | 10,3 | 600 | 58   | 93         | 14.7 | 0.99 |
| Vector 100 HV-FD 2700K 600 Lm 80° Triac dim      | 7B2A03XX5B02 | 220-240V | 10,5 | 600 | 57   | 93         | 25.9 | 0.99 |
| Vector 100 HV-FD 3000K 600 Lm 80° Triac dim      | 7B2A03XX5D02 | 220-240V | 10,3 | 600 | 58   | 93         | 25.9 | 0.99 |
| Vector 100 HV-FD 4000K 600 Lm 80° Triac dim      | 7B2A03XX5F02 | 220-240V | 10,1 | 600 | 59   | 93         | 25.9 | 0.99 |
| Vector 100 HV-FD 2200-3000K 600 Lm 80° Triac dim | 7B2A03XX5H02 | 220-240V | 10,3 | 600 | 58   | 93         | 25.9 | 0.99 |

ITEM SPECIFICATIONS (PART B)

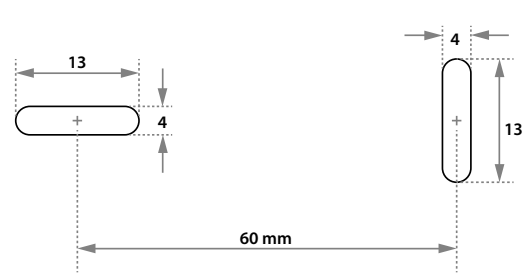
| Description                                      | Safety class | Energy class | Weight | Dimensions single carton | Quantity per carton | Expected lifespan (25°C) |             |             |
|--------------------------------------------------|--------------|--------------|--------|--------------------------|---------------------|--------------------------|-------------|-------------|
|                                                  |              |              |        |                          |                     | L70B50                   | L80B50      | L90B50      |
| Vector 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 |
| Vector 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 |
| Vector 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 |
| Vector 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 |
| Vector 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 |
| Vector 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 |
| Vector 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 |
| Vector 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%)

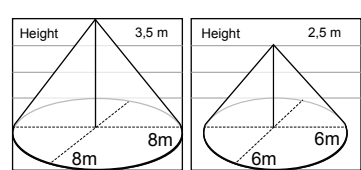
DIMENSIONS



FIXATION DIMENSIONS



DETECTION AREA



| Manufacturer            | Product ID          | Type | Power   | Wires* | Dimming range |       |       |       | RCS   |    |
|-------------------------|---------------------|------|---------|--------|---------------|-------|-------|-------|-------|----|
|                         |                     |      |         |        | HV-IC         |       | HV-FD |       |       |    |
|                         |                     |      |         |        | min %         | max % | min % | max % |       |    |
| ABB-Busch&Jaeger        | 2250U               | R    | 60-600  | 2      |               | 2,0   | 63    | ✓ 0,3 | ✓ 100 | x  |
| ABB-Busch&Jaeger        | 6523 UR 103         | RLC  | 2-400   | 2      |               | 1,4   | 88    | ✓ 0,2 | ✓ 100 | x  |
| ABB-Busch&Jaeger        | 6523U               | RL   | 2-100   | 2      | x             |       | x     | ✓ 1,0 | ✓ 97  | x  |
| Casambi                 | CBU-TED Bluetooth   | RC   | 1-100   | 3      | ✓             | 0,1   | ✓ 100 | ✓ 0,1 | ✓ 100 | x  |
| CTM Lyng                | MDimLed             | LED  | 1-200   | 3      | ✓             | 0,6   | ✓ 100 | ✓ 0,0 | ✓ 100 | x  |
| Dimmax (Trump)          | 420SL               | RLC  | 1-200   | 3      |               | 4,0   | ✓ 100 | 2,1   | ✓ 98  | x  |
| Eaton LED               | CDAU-01/04          | RLC  | 0-250   | 3      |               | 2,0   | ✓ 100 | 2,0   | ✓ 100 | x  |
| Elko                    | 315GLE              | RC   | 20-315  | 2      |               | 1,5   | ✓ 95  | ✓ 0,2 | ✓ 96  | x  |
| Elko                    | 400GLI              | RL   | 40-400  | 2      | x             |       | x     | ✓ 0,0 | ✓ 98  | x  |
| Eltako                  | EUD61NPN-UC         | RLC  | 400     | 3      |               | 5,5   | ✓ 100 | 2,9   | ✓ 95  | x  |
| Gira Berker Jung        | 2819                | R    | 50-400  | 2      | x             |       | x     | ✓ 0,7 | ✓ 99  | x  |
| Gira Berker Jung        | 286610              | RL   | 20-500  | 2      |               | 13,0  | ✓ 100 | 21,0  | ✓ 100 | OK |
| Gira Berker Jung        | 1183 00/I01         | RL   | 20-500  | 2      |               | 1,3   | 90    | ✓ 0,0 | ✓ 99  |    |
| Gira Berker Jung        | 1184 00/I01         | R    | 60-200  | 2      | x             |       | x     | ✓ 0,2 | ✓ 97  | x  |
| L&K                     | SD 600 nr 531556    | RL   | 10- 500 | 2      | ✓             | 0,1   | 87    | ✓ 0,1 | ✓ 100 | x  |
| Legrand                 | 0 02671             | LED  | 3-75    | 3      |               | 7,4   | ✓ 96  | 6,3   | ✓ 96  |    |
| Legrand (Btinico)       | 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  | x  |
| Lutron                  | RRK-R25NE-240       | LED  | 1-250   | 3      |               | 2,0   | ✓ 96  | ✓ 0,1 | ✓ 98  | x  |
| Niko                    | 310-016             | RL   | 50-400  | 2      |               | 6,0   | ✓ 96  | 2,0   | ✓ 99  | x  |
| Niko                    | 310-017XX           | RC   | 20-250  | 2      |               | 16,0  | 78    | 22,4  | ✓ 95  | OK |
| Niko                    | 310-0190X           | Uni  | 5-325   | 3      | ✓             | 0,7   | ✓ 100 | ✓ 0,0 | ✓ 98  | OK |
| Niko                    | 310-0260            | RL   | 40-550  | 2      |               | 5,9   | 86    | 6,3   | ✓ 99  | x  |
| Niko                    | 310-02701           | LED  | 40-300  | 2      |               | 8,0   | 74    | 10,4  | ✓ 96  | OK |
| Niko                    | 310-0280X           | LED  | 2-100   | 3      |               | 2,2   | ✓ 100 | 4,7   | ✓ 96  | OK |
| Niko                    | 310-0290X           | LED  | 3-300   | 2      | ✓             | 1,0   | 82    | ✓ 0,1 | ✓ 99  | OK |
| Niko                    | 310-0390X           | Uni  | 3-200   | 2      |               | 1,5   | 92    | ✓ 0,0 | ✓ 95  | OK |
| Niko                    | 310-0490X           | LED  | 4-200   | 2      | ✓             | 0,8   | 83    | ✓ 0,0 | ✓ 100 | x  |
| Niko                    | 330-0700(=330-0701) | LED  | 5-350   | 3      | ✓             | 0,7   | ✓ 100 | ✓ 0,1 | ✓ 100 | OK |
| Peha                    | 433                 | R    | 20-250  | 2      | ✓             | 0,1   | 92    | ✓ 0,0 | 94    | x  |
| Qbus                    | Dim02SA/500         | uni  | 2-500   | 3      |               | 2,0   | ✓ 100 | ✓ 0,1 | ✓ 100 | OK |
| RAKO                    | RMT-500             | RC   | 1-500   | 3      | ✓             | 0,1   | ✓ 100 | ✓ 0,0 | ✓ 100 | OK |
| RAKO                    | RMT-PILL            | RC   | 1-250   | 3      | ✓             | 0,6   | ✓ 97  | ✓ 0,1 | ✓ 98  | OK |
| Schneider Merten Feller | 40420               | RLC  | 20-420  | 2      | x             |       | x     | ✓ 0,8 | ✓ 100 | x  |
| Schneider Merten Feller | 40600 RL            | RL   | 20-300  | 2      | ✓             | 0,1   | 89    | ✓ 0,0 | ✓ 96  | x  |
| Schneider Merten Feller | SBD SPL             | RL   | 9-100   | 2      | ✓             | 0,2   | ✓ 100 | ✓ 0,2 | ✓ 100 |    |
| Schneider Merten Feller | SBD600 RL           | RL   | 40-600  | 2      | x             |       | x     | ✓ 0,0 | ✓ 96  | x  |
| Schneider Merten Feller | SBD600RCRL          | RLC  | 20-600  | 2      |               | 1,3   | 92    | ✓ 0,5 | ✓ 98  | x  |
| Simon Electric          | DS9T2               |      | 5-315   | 3      | ✓             | 0,2   | ✓ 97  | ✓ 0,1 | ✓ 100 | x  |
| Unilamp/Belid           | KDT 250 E-1         | LED  | 5-250   | 2      |               | 1,5   | 70    | ✓ 0,7 | ✓ 98  |    |
| Unilamp/Luzense         | KTD-500 E4          | LED  | 5-500   | 2      |               | 1,6   | 82    | ✓ 0,4 | ✓ 100 | x  |

✓ = Recommended (min <1% / max >95%)    x = Absolutely not recommended    Please check our website for the latest information.

**RCS** = Sensitive to Ripple control signals    x = Not OK

**\* Wires:**

2 = No neutral required; 3 = Neutral required.

**Brand combinations:**

ABB - Busch & Jaeger

Gira - Berker - Jung

Schneider - Merten- Lauritz Knutzen - Feller