

## FEATURES

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

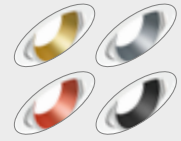
## SPRINGS

Standard with CS spring (concrete/gyproc). Also available as above with WS spring (gyproc/metal).



## 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)  |

# Strada 90 HV-FD

Adjustable

## 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. The lamps cannot be changed in the luminaire. EU 874/2012



IP20

## STRADA 90 220-240V



**Connection box 3P**  
82x43x26 mm  
Possibility for looping by 2 cables  
max. Ø 10mm (H03/H05).

### ITEM SPECIFICATIONS (PART A)

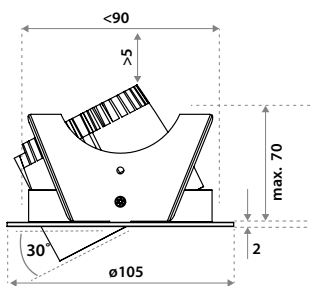
| Description                                     | Item code CS | Item code WS | Input    | W    | Lm  | Lm/W | CRI (typ.) | UGR  | Pf   |
|-------------------------------------------------|--------------|--------------|----------|------|-----|------|------------|------|------|
| Strada 90 HV-FD 2700K 600 Lm 40° Triac dim      | 852B03XX5A02 | 852B03XX8A02 | 220-240V | 10,5 | 600 | 57   | 93         | 23.2 | 0.99 |
| Strada 90 HV-FD 3000K 600 Lm 40° Triac dim      | 852B03XX5C02 | 852B03XX8C02 | 220-240V | 10,3 | 600 | 58   | 93         | 23.2 | 0.99 |
| Strada 90 HV-FD 4000K 600 Lm 40° Triac dim      | 852B03XX5E02 | 852B03XX8E02 | 220-240V | 10,1 | 600 | 59   | 93         | 23.2 | 0.99 |
| Strada 90 HV-FD 2200-3000K 600 Lm 40° Triac dim | 852B03XX5G02 | 852B03XX8G02 | 220-240V | 10,3 | 600 | 58   | 93         | 23.2 | 0.99 |
| Strada 90 HV-FD 2700K 600 Lm 80° Triac dim      | 852B03XX5B02 | 852B03XX8B02 | 220-240V | 10,5 | 600 | 57   | 93         | 24.5 | 0.99 |
| Strada 90 HV-FD 3000K 600 Lm 80° Triac dim      | 852B03XX5D02 | 852B03XX8D02 | 220-240V | 10,3 | 600 | 58   | 93         | 24.5 | 0.99 |
| Strada 90 HV-FD 4000K 600 Lm 80° Triac dim      | 852B03XX5F02 | 852B03XX8F02 | 220-240V | 10,1 | 600 | 59   | 93         | 24.5 | 0.99 |
| Strada 90 HV-FD 2200-3000K 600 Lm 80° Triac dim | 852B03XX5H02 | 852B03XX8H02 | 220-240V | 10,3 | 600 | 58   | 93         | 24.5 | 0.99 |

### ITEM SPECIFICATIONS (PART B)

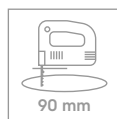
| Description                                     | Safety class | Energy class | Weight | Dimensions single carton | Quantity per carton | Expected lifespan (25°C) |             |             |
|-------------------------------------------------|--------------|--------------|--------|--------------------------|---------------------|--------------------------|-------------|-------------|
|                                                 |              |              |        |                          |                     | L70B50                   | L80B50      | L90B50      |
| Strada 90 HV-FD 2700 600 Lm K 40° Triac dim     | I            | A            | 390 gr | 105x105x61 mm            | 56 pcs              | >70.000 hrs              | >70.000 hrs | >54.000 hrs |
| Strada 90 HV-FD 3000K 600 Lm 40° Triac dim      | I            | A            | 390 gr | 105x105x61 mm            | 56 pcs              | >70.000 hrs              | >70.000 hrs | >54.000 hrs |
| Strada 90 HV-FD 4000K 600 Lm 40° Triac dim      | I            | A            | 390 gr | 105x105x61 mm            | 56 pcs              | >70.000 hrs              | >70.000 hrs | >54.000 hrs |
| Strada 90 HV-FD 2200-3000K 600 Lm 40° Triac dim | I            | A            | 390 gr | 105x105x61 mm            | 56 pcs              | >70.000 hrs              | >70.000 hrs | >54.000 hrs |
| Strada 90 HV-FD 2700K 600 Lm 80° Triac dim      | I            | A            | 390 gr | 105x105x61 mm            | 56 pcs              | >70.000 hrs              | >70.000 hrs | >54.000 hrs |
| Strada 90 HV-FD 3000K 600 Lm 80° Triac dim      | I            | A            | 390 gr | 105x105x61 mm            | 56 pcs              | >70.000 hrs              | >70.000 hrs | >54.000 hrs |
| Strada 90 HV-FD 4000K 600 Lm 80° Triac dim      | I            | A            | 390 gr | 105x105x61 mm            | 56 pcs              | >70.000 hrs              | >70.000 hrs | >54.000 hrs |
| Strada 90 HV-FD 2200-3000K 600 Lm 80° Triac dim | I            | A            | 390 gr | 105x105x61 mm            | 56 pcs              | >70.000 hrs              | >70.000 hrs | >54.000 hrs |

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

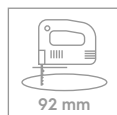
### DIMENSIONS



### HOLE SIZE



**CS springs (concrete/gyproc) for 5-60mm material thickness**  
CS springs (except Pointerseries) can be used in almost any type of ceiling. Support plates should definitely be used when mounting big downlights in soft mineral ceilings. The spring's slightly bent edge prevents the ceiling material from getting damaged. We recommend making the hole in the ceiling material 10 mm wider than the specified cutout diameter (assuming this doesn't exceed the maximum diameter).



**WS springs (gyproc/metal) for 1-40mm material thickness**  
WS springs are traditional springs that are eminently suited for soft ceiling tiles in combination with support plates (that cannot be taken out of the ceiling). WS springs are not suitable for concrete ceilings and soft ceiling tiles without support plates.

| 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 (Btfinico) | 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.