

# Strada 75



HV-FD Plug & Play  
Revolutionary  
HV technology



## COLOURS



**Matt black**  
RAL 9005



**Matt white**  
RAL 9016

## SPRINGS



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

## EASY INSTALLATION PLUG & PLAY

- Max. 16 Amp
- No Inrush currents
- Max. 100 spots per string possible
- Dimmable to 0,1% with Casambi dimmer (CBU-TED, max 10 pcs per group)



## FLICKERFREE NO STROBOSCOPIC EFFECTS

Surveys have linked light flicker to health problems. Even though flicker at these frequencies may not be visible to the naked eye, there is evidence that the human brain can detect light flicker at frequencies up to 200Hz. Potential problems can include headaches, eye strain, impaired visual performance, or in extreme cases, epileptic seizures. Where the best quality power supplies have a flicker percentage of 1-3%, the High Voltage technology has a flicker percentage of only 0,4%.

## FLICKERFREE PATENTED DIMMING TO 0,1%

The dimlevel is dependent on the quality of the dimmer. With a good quality dimmer is it possible to reach a dimming range of 0,1 - 100%. Even at the lowest levels of dimming, our technology always stays under 2,4%.



## LOW INRUSH CURRENTS

Where most power supplies have a high inrush current (e.g. >5 Amps), the high voltage solution has a maximum of 100 mA (incl. soft start). With this low (nearly negligible) inrush current, the number of luminaires per group, or per dimmer, is no longer determined by the inrush current but rather by the VA rating of that group or dimmer. E.g. a group protected by a B16 circuit breaker has an acceptable VA value of 3600VA. So this group can handle  $3600/10 = 360$  luminaires.

## 4KV SURGE PROTECTION

It is often necessary to protect the electronic components against high voltage spikes (surges) from the mains. These can be caused by switching inductive loads near the luminaires or by atmospheric discharges such as lightning strikes.

## WARM DIM VERSION AVAILABLE

100% brightness	3000K
50% brightness	2900K
25% brightness	2700K
10% brightness	2200K

When dimming the light down, the light becomes warmer just like an incandescent lamp.

## HV-FD 600 LM (2200-3000K)

- IC to reduce flicker
- Flicker control circuit
- Multi junction LEDs
- 220-240V input
- Highly reliable because there are mainly passive electronic parts in the circuit.
- Protection circuit against voltage peaks (4000V)



## FLICKERFREE RCS PROOF

Our past experience has shown that control signals over an electricity net (e.g. load switching on a day/night tariff) can cause an annoying flickering of the High Voltage downlights. The new patented Flicker free dimming technology is not recommended for these kinds of data signals. Placing it next to it is also not recommended as it can cause disturbance of the sinus curve by other electronic equipment (car chargers, industrial equipment, magnetrons, etc.)

## FLICKERFREE PERFECT FOR VIDEO SHOOTS

It's important to consider flicker effects when recording video, where the images are cut with several black lines and it is not possible to properly shoot.

HV-FD



Lens  
HV-FD: 40°

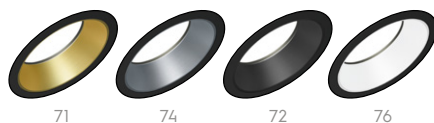


Diffuser  
HV-FD: 80°



### Housing/Reflector ring Item code

White/Gold	XX=61
White/Silver	XX=63
White/Black	XX=62
White/White	XX=65



### Housing/Reflector ring Item code

Black/Gold	XX=71
Black/Silver	XX=74
Black/Black	XX=72
Black/White	XX=76



All products are developed by our own people and then assembled in various workshops by people with a disadvantage on the labor market. The range is aimed at the higher market segment and guarantees the use of high quality materials, resulting in a warranty of 7 years. 7 years warranty can be guaranteed.

MADE IN  
HOLLAND

7 YEAR  
WARRANTY



Check out our website for  
more information and inspiration.  
Scan the QR code or go to  
[illuxtron.com](http://illuxtron.com)!



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