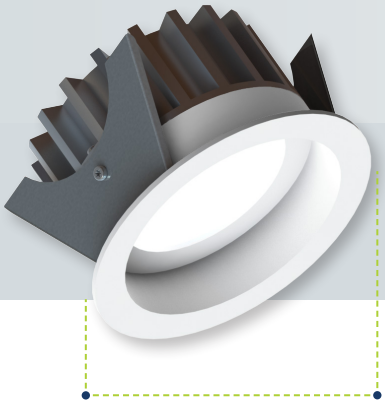
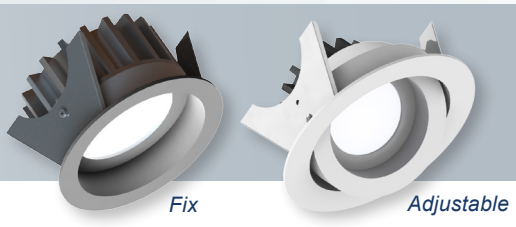
# ILLUXTRON®

# FLUXE 75/90
## HV-400/600 LM



Ø 90 mm

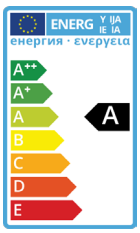


*Fix* *Adjustable*

## Specifications

| | FLUXE 75 HV fix | FLUXE 90 HV adj. |
|---|---|---|
| Color (XX) (choose white or grey) | MW = Matt white ral 9016 / GR = Matt grey ral 9006 | |
| Input voltage | 220-240V~ 50/60 Hz | |
| Lumen output | 400 Lm / 600 Lm | |
| Color Rendering Index (CRI) | 82 | |
| Beam angle | Fix = 60° | Adj. 400Lm = 24° / 600Lm = 60° |
| Material | Diecast aluminum | |
| Environment | Indoor, outdoor and cove lighting | |
| Protection against water | IP20/IP44 | No protection |
| Protection against shock | IK02 | |
| Powerfactor (Pf) | 400 Lm = 0,91 / 600 Lm = 0,98 | |
| Dimmable | Yes, see dimmer compatibility at page 18 | |
| Operating temperature | -20°C / +45°C | |
| Safety norms | EN60598 / EN62031 / EN62471 | |
| EMC norms | EN55015 | |
| Quantity single package | 1 pc | |
| Weight single package | Fix = 260 gr | Adj. = 283 gr |
| Dimensions single package | 105x105x61 mm | 105x105x105 mm |
| Quantity per carton | 42 pcs | 35 pcs |
| Dimensions carton | 400x300x380 mm (0.046 m³) | 600X400X400 mm (0.096m³) |
| Quantity per pallet | 1344 pcs | 560 pcs |
| Expected lifetime at 25°C (L70, B10) | 400 Lm = 49.000 hrs / 600 Lm = 50.000 hrs | |
| Warranty | 3 years | |

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



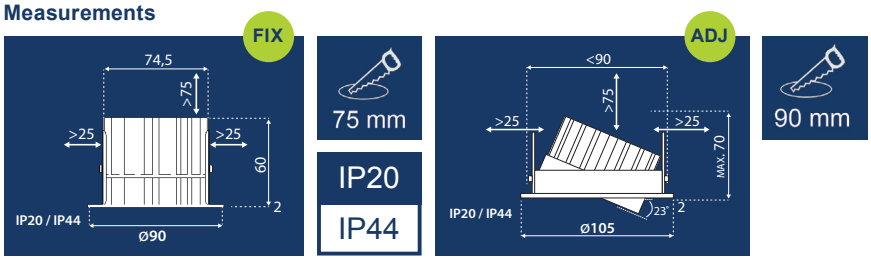

For more information see
Plug & Play installation at page 19

## Product variations

| Description | Article no. DIMMABLE | W | Efficacy |
|---|---|---|---|
| Fluxe 75 HV-400 Lm 3000K Fix 60° | 807003XX4902 | 9W | 45 Lm/W |
| Fluxe 90 HV-400 Lm 3000K Adj. 24° | 808403XX4902 | 9W | 45 Lm/W |
| Fluxe 75 HV-600 Lm 2700K Fix 60° | 807603XX4802 | 11W | 55 Lm/W |
| Fluxe 75 HV-600 Lm 3000K Fix 60° | 807603XX4902 | 11W | 55 Lm/W |
| Fluxe 75 HV-600 Lm 4000K Fix 60° | 807603XX5002 | 11W | 55 Lm/W |
| Fluxe 90 HV-600 Lm 2700K Adj. 60° | 808603XX4802 | 11W | 55 Lm/W |
| Fluxe 90 HV-600 Lm 3000K Adj. 60° | 808603XX4902 | 11W | 55 Lm/W |
| Fluxe 90 HV-600 Lm 4000K Adj. 60° | 808603XX5002 | 11W | 55 Lm/W |

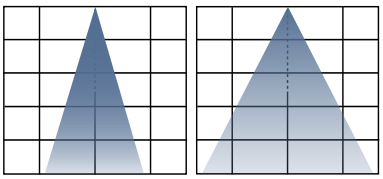
All values are measured at 230V (+/- 7%)

## Measurements




IP20/IP44: Only when the luminary is installed in a closed ceiling it can be exposed to splashing water from the front side.

## Photometrics



24° 60°

## Expected lifetime data

| Test information | Tj 220V | Expected Lifetime | Tj 230V | Expected Lifetime | Tj 240V | Expected Lifetime |
|---|---|---|---|---|---|---|
| Test data from LED supplier | 33°C | 50.000 Hrs | 33°C | 50.000 Hrs | 33°C | 50.000 Hrs |
| Test data from LED supplier | 83°C | 50.000 Hrs | 83°C | 50.000 Hrs | 83°C | 50.000 Hrs |
| Test data from LED supplier | 93°C | 42.000 Hrs | 93°C | 42.000 Hrs | 93°C | 42.000 Hrs |
| Fluxe 75 HV-400 Lm | 81°C | 50.000 Hrs | 85°C | 49.000 Hrs | 89°C | 45.000 Hrs |
| Fluxe 75 HV-600 Lm | 75°C | 50.000 Hrs | 77°C | 50.000 Hrs | 79°C | 50.000 Hrs |

• Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
• Expected lifetime measured at Ta 25°C (L70)



ILLUXTRON®
Voltaweg 11
4382 NG Vlissingen
The Netherlands
+31 (0) 113 769037
info@illuxtron.eu
www.illuxtron.eu

SEOUL SEMICONDUCTOR bhc TE connectivity

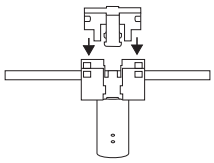
011214

Made in Holland

IP20 IP44 RoHS

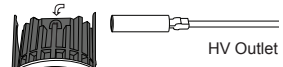
# PLUG & PLAY INSTALLATION
## HV - HIGH VOLTAGE

### HV Busbar

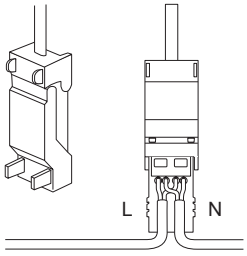


The HV Busbar is a customer friendly product that will give you an easy installation.
Just place the cable in the busbar holder and push the cap on!

### Plug & Play

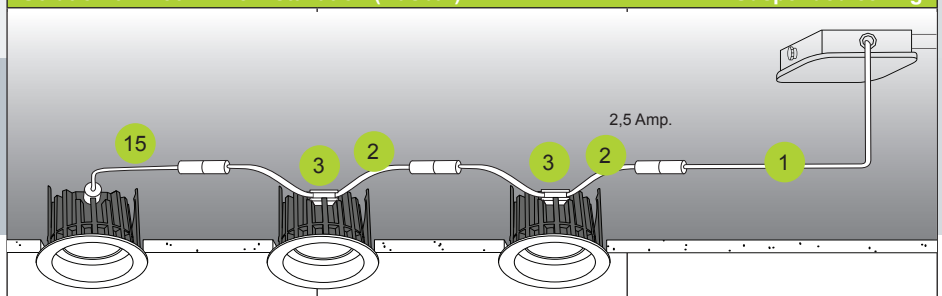


### Connectionbox




The Connection box is equipped with push-in contacts for a quick and easy installation. Also the wire grip is screwless by pressing the top cover downwards.

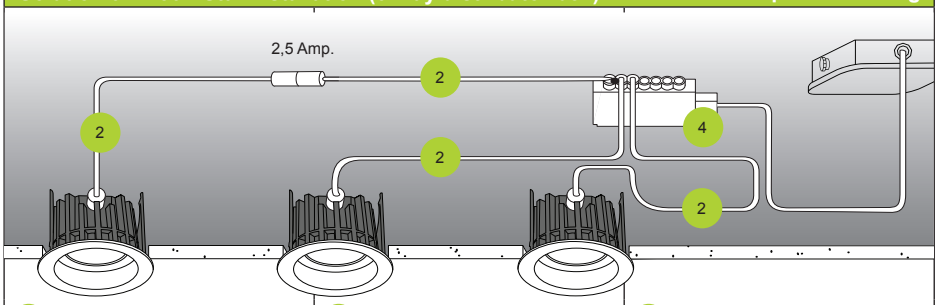
**Solution 01: 230V Line installation (Busbar)** — **Suspended ceiling**




| | | |
|---|---|---|
| 1 — 2.0 m | 1 — 0.5 m | 1 — 0.5 m |
| HV Outlet to Europlug<br>Art.no.: 595205BL0000 | HV Outlet to GST18 3P male<br>Art.no.: 605205BL0000 | HV Outlet to Connection box<br>Art.no.: 615205BL0000 |
| 2 — 3.0 m | 3 | 15 |
| HV Plug to Outlet (extension)<br>Art.no.: 545205BL1500 | HV Busbar<br>Art.no.: 009105BL0000 | HV Dimming cable 0,2 m*<br>Art.no.: 585205BL0000 |

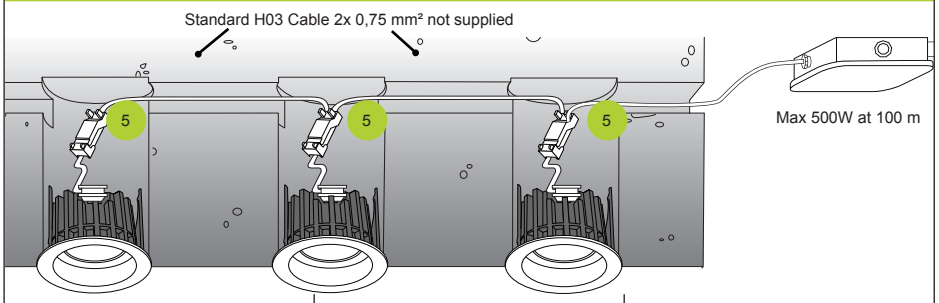
* Only one dimming cable per dimming circuit (any spot is ok)

**Solution 02: 230V Star installation (6 Way distributor box)** — **Suspended ceiling**




| | | |
|---|---|---|
| 4 — 1.8 m | 4 — 1.0 m | 4 — 1.0 m |
| 6 Way Distributor to Europlug<br>Art.no.: 599305BL0000 | 6 Way Distributor to GST18 3P male<br>Art.no.: 609305BL0000 | 6 Way Distributor to Connection box<br>Art.no.: 619305BL0000 |
| 2 — 3.0 m | | |
| HV Plug to Outlet (extension)<br>Art.no.: 545205BL1500 | HV GST18 3P female socket<br>Art.no.: P03-201048BL | |

**Solution 03: 230V Line installation (Connection box)** — **Concrete ceiling**




| | | |
|---|---|---|
| 5 — 0.2 m | | |
| HV Busbar to Connection box<br>Art.no.: 575205BL0000 | | |

# HV DIMMER COMPATIBILITY

| Manufacturer | Model | Type | Load | HV-75/90 400 Lm | HV-75/90 400 Lm + Dimming cable | HV-75/90 600 Lm HV-185 1250/2000 Lm |
|---|---|---|---|---|---|---|
| Berker | 2830 10 | R | 60-400 W | ✗ | ✓ 10-100% | ✓ 20-100% |
| Berker | 2867 10 | RC | 20-360 W | ✗ | ✓ 10-100% | ✓ 40-100% |
| Berker | 2873 | RL | 20-500 W | ✗ 40-90% | ✓ 0-100% | ✓ 20-100% |
| Busch Jaeger | 6523U | RL | 2-100 W | ✓ 10-100% | ✓ 0-100% | ✓ 0-100% |
| Busch Jaeger | 2247U | RL | 20-250 W | ✓ 20-100% | ✓ 0-100% | ✓ 0-100% |
| Elimpo | ECODIM9XX | - | 3-80 W | ✓ 0-100% | ✓ 0-100% | ✓ 0-100% |
| Eltako | EUD61NPN-UC | RLC | 0-400 W | ✓ 0-100% | ✓ 0-100% | ✓ 20-100% |
| Feller | 40600.RL | RL | 40-600 W | ✗ 20-80% | ✓ 0-100% | ✓ 20-100% |
| Feller | 40300.RC | RC | 20-300 W | ✓ 10-100% | ✗ | ✓ 40-100% |
| Feller | 40420.RLC | RLC | 40-420 W | ✗ | ✗ | ✗ |
| Gira | 1184-00 | R | 60-400 W | ✗ | ✓ 10-100% | ✓ 20-100% |
| Gira | 1182-00 | RC | 20-360 W | ✗ | ✓ 10-100% | ✓ 40-100% |
| Gira | 2262-00 | RL | 20-500 W | ✗ 40-90% | ✓ 0-100% | ✓ 20-100% |
| Jung | 244 EX | R | 60-400 W | ✗ | ✓ 10-100% | ✓ 20-100% |
| Jung | 243 EX | RC | 20-360 W | ✗ | ✓ 10-100% | ✓ 40-100% |
| Jung | 225 NV DE | RL | 20-500 W | ✗ 40-90% | ✓ 0-100% | ✓ 20-100% |
| Legrand | 078406 | RLC | 8-300 W | ✓ 10-100% | ✓ 10-100% | ✓ 10-100% |
| Legrand | 067085 | RLC | 8-300 W | ✓ 10-100% | ✓ 10-100% | ✓ 10-100% |
| Niko | 310-0190X | RLC | 5-325 W | ✗ 20-80% | ✓ 10-100% | ✓ 20-100% |
| Niko | 330-00700 | RLC | 5-350 W | ✗ 20-80% | ✓ 10-100% | ✓ 30-100% |
| Norwegian | KED400 | R | 35-400 W | ✓ 10-100% | ✓ 10-100% | ✓ 10-100% |
| Norwegian | KED600 | R | 35-600 W | ✓ 10-100% | ✓ 10-100% | ✓ 10-100% |
| Peha | 433 HAB | RC | 20-315 W | ✗ 40-90% | ✓ 10-100% | ✗ |
| Peha | 434 0A | R | 60-400 W | ✗ 60-80% | ✓ 10-100% | ✗ |
| Peha | 492 AB | RC | 60-525 W | ✗ | ✗ | ✗ |
| Peha | 492 AN | RL | 60-600 W | ✗ | ✗ | ✗ |
| Schneider (Merten) | MTN5131 | R | 40-400 W | ✗ 20-80% | ✓ 0-100% | ✓ 20-100% |
| Schneider (Merten) | MTN5133 | RL | 40-600 W | ✗ 20-80% | ✓ 0-100% | ✓ 20-100% |
| Schneider (Merten) | MTN5136 | RC | 20-315 W | ✗ | ✗ | ✓ 40-100% |
| Schneider (Merten) | MTN5138 | RLC | 20-420 W | ✗ | ✗ | ✗ |
| Schneider (Merten) | MTN5139 | RLC | 20-600 W | ✗ 20-80% | ✗ | ✓ 30-100% |
| Schneider (Merten) | MTN577099 | RLC | 25-420 W | ✗ | ✗ | ✗ |
| Schneider (Merten) | MTN577899 | RC | 20-315 W | ✗ | ✓ 20-100% | ✓ 40-100% |
| Schneider (Merten) | MEG5170 | RLC | 10-200 W | ✗ | ✗ 40-80% | ✗ 40-80% |

✓ = ok ✗ = not advised



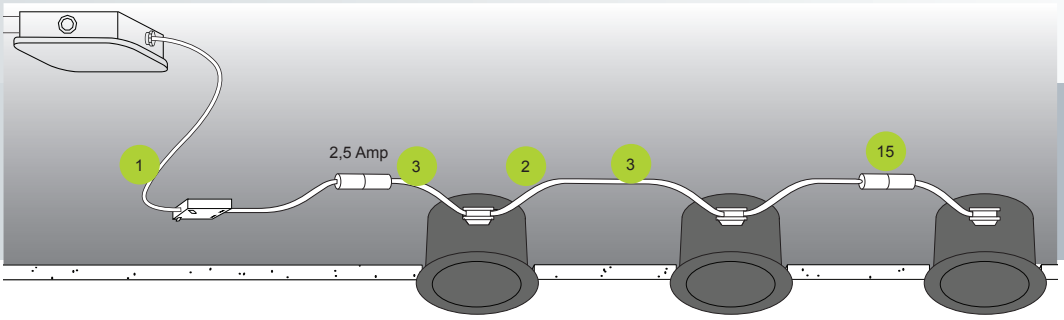
ILLUXTRON®
Voltaweg 11
4382 NG Vlissingen
The Netherlands
+31 (0) 113 769037
info@illuxtron.eu
www.illuxtron.eu

011214

Made in Holland

## 220-240V Line installation (Busbar)

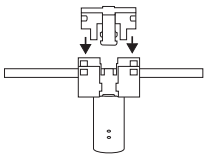
**Suspended ceiling**




| | 1 | 1 | 1 |
|---|---|---|---|
| Article number | 595205BL0000 | 605205BL0000 | 615205BL0000 |
| Description | HV Outlet to Europlug 2.0 m | HV Outlet to GST18 3P male 0,5 m | HV Outlet to Connection box 0,5 m |
| Protection against water | IP20 | IP20 | IP20 |
| Voltage | 220-240V~ | 220-240V~ | 220-240V~ |
| Warranty | 3 years | 3 years | 3 years |
| Safety norms | EN60320 | EN60320 | EN60320 |
| Quantity single package | 1 pc | 1 pc | 1 pc |
| Weight single package | 92 gr | 38 gr | 48 gr |
| Package type | Plastic bag | Plastic bag | Plastic bag |
| Quantity per carton | 160 pcs | 160 pcs | 160 pcs |
| Dimensions carton | 400x300x380 mm (0.046 m³) | 400x300x380 mm (0.046 m³) | 400x300x380 mm (0.046 m³) |
| Quantity per pallet | 5120 pcs | 5120 pcs | 5120 pcs |

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

## HV Busbar



The HV Busbar is a customer friendly product that will give you an easy installation.

Just place the cable in the busbar holder and push the cap on!

| | 2 | 3 | 15 |
|---|---|---|---|
| Article number | 545205BL1500 | 009105BL0000 | 585205BL0000 |
| Description | HV Plug to Outlet 3,0 m | HV Busbar | HV Dimming cable 0,2 m |
| Protection against water | IP20 | IP20 | IP20 |
| Voltage | 220-240V~ | 220-240V~ | 220-240V~ |
| Warranty | 3 years | 3 years | 3 years |
| Safety norms | EN60320 | EN60320 | EN60320 |
| Quantity single package | 1 pc | 10 pcs | 1 pc |
| Weight single package | 106 gr | 30 gr | 20 gr |
| Package type | Plastic bag | Plastic bag | Plastic bag |
| Quantity per carton | 120 pcs | 3.200 pcs | 160 pcs |
| Dimensions carton | 400x300x380 mm (0.046 m³) | 400x300x380 mm (0.046 m³) | 400x300x380 mm (0.046 m³) |
| Quantity per pallet | 3840 pcs | 102.400 pcs | 5120 pcs |

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


ILLUXTRON®
Voltaweg 11
4382 NG Vlissingen
The Netherlands
+31 (0) 113 769037
info@illuxtron.eu
www.illuxtron.eu

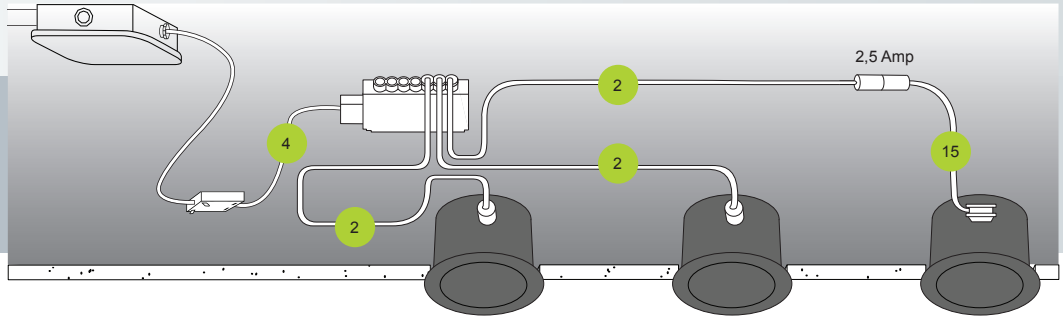


Made in Holland

# PLUG & PLAY
## HV SOLUTION 02

### 220-240V Star installation (6 Way distributor box)

**Suspended ceiling**




| | 4 | 4 | 4 |
|---|---|---|---|
| Article number | 599305BL0000 | 609305BL0000 | 619305BL0000 |
| Description | 6 Way Distributor to Europlug 1,8 m | 6 Way Distrib. to GST18 3P male 1,0 m | 6 Way Distributor to Conn. box 1,0 m |
| Protection against water | IP20 | IP20 | IP20 |
| Voltage | 220-240V~ | 220-240V~ | 220-240V~ |
| Warranty | 3 years | 3 years | 3 years |
| Safety norms | EN60320 | EN60320 | EN60320 |
| Quantity single package | 1 pc | 1 pc | 1 pc |
| Weight single package | 108 gr | 76 gr | 88 gr |
| Package type | Plastic bag | Plastic bag | Plastic bag |
| Quantity per carton | 120 pcs | 120 pcs | 120 pcs |
| Dimensions carton | 400x300x380 mm (0.046 $m^3$) | 400x300x380 mm (0.046 $m^3$) | 400x300x380 mm (0.046 $m^3$) |
| Quantity per pallet | 3840 pcs | 3840 pcs | 3840 pcs |

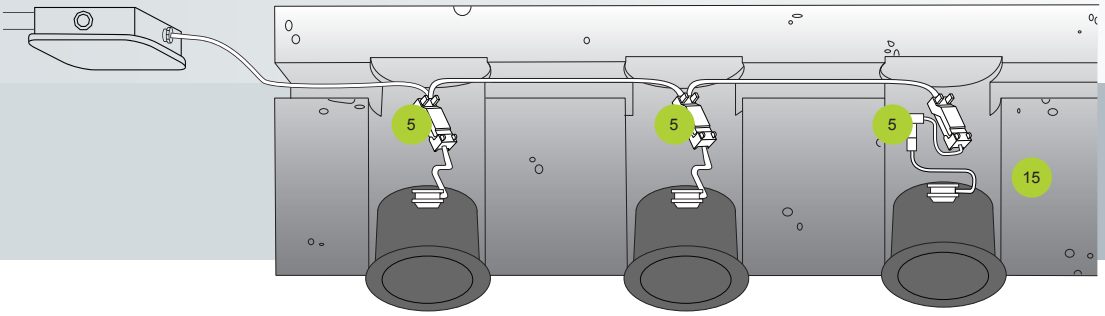
All values are measured at 230V (+/- 7%)

| | 2 | 15 | |
|---|---|---|---|
| Article number | 545205BL1500 | 585205BL0000 | |
| Description | HV Plug to Outlet 3,0 m | HV Dimming cable 0,2 m | |
| Protection against water | IP20 | IP20 | |
| Voltage | 220-240V~ | 220-240V~ | |
| Warranty | 3 years | 3 years | |
| Safety norms | EN60320 | EN60320 | |
| Quantity single package | 1 pc | 1 pc | |
| Weight single package | 106 gr | 20 gr | |
| Package type | Plastic bag | Plastic bag | |
| Quantity per carton | 120 pcs | 160 pcs | |
| Dimensions carton | 400x300x380 mm (0.046 $m^3$) | 400x300x380 mm (0.046 $m^3$) | |
| Quantity per pallet | 3840 pcs | 5120 pcs | |

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

## 220-240V Line installation (Connection box)

Concrete ceiling




| | 5 | 15 | |
|---|---|---|---|
| Article number | 575205BL0000 | 585205BL0000 | |
| Description | HV Busbar to Connection box 0,2 m | HV Dimming cable 0,2 m | |
| Protection against water | IP20 | IP20 | |
| Voltage | 220-240V~ | 220-240V~ | |
| Warranty | 3 years | 3 years | |
| Safety norms | EN60320 | EN60320 | |
| Quantity single package | 1 pc | 1 pc | |
| Weight single package | 38 gr | 20 gr | |
| Package type | Plastic bag | Plastic bag | |
| Quantity per carton | 160 pcs | 160 pcs | |
| Dimensions carton | 400x300x380 mm (0.046 $m^3$) | 400x300x380 mm (0.046 $m^3$) | |
| Quantity per pallet | 5120 pcs | 5120 pcs | |

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


ILLUXTRON®
Voltaweg 11
4382 NG Vlissingen
The Netherlands
+31 (0) 113 769037
info@illuxtron.eu
www.illuxtron.eu



Made in Holland

# HV DOWNLIGHTS

## BENEFITS

- Revolutionary AC LED technology
- Can be connected directly to 220-240V outlets (no converter needed), which ensures high reliability
- Integrated NECTOR S plug system for Plug & Play installation (NECTOR is an official TE Connectivity Trademark)

## FEATURES

- Dimmable with most dimmers
- Fits in standard ceiling apertures
- Low recess depth
- Suitable for concrete and false ceilings
- Powered by high quality Energy Star LED type
- Consistent color between each downlight
- Homogeneous light beam
- Antiglare protection
- No heat and UV radiation
- Waterproof front
- Comply with the latest Powerfactor norms (0.90)
- EMC test report available
- CE/ CB test report by Dekra Netherlands available
- Dutch origin according to EEC No: 1207/2001

## ANNUAL SAVINGS 75 HV

Burning hours: 10 hrs x 300 days = 3000 hrs per year

**Electricity savings 400 Lm:**
50W - 9W = 41W x 3000 hrs = 123 kWh x € 0,25 = € 30,75
Maintenance cost: 2 lamps x 0,25 hr x € 35 = € 15
Lamp replacement cost: € 4,95 x 2 = € 9,90
Total annual savings: € 60,77 per lamp unit.

**Electricity savings 600 Lm:**
50W - 11W = 39W x 3000 hrs = 117 kWh x € 0,25 = €29,25
Maintenance cost: 1 lamp x 0,25 hr x €35 = €8.75
Lamp replacement cost: €11,00
Total annual savings: €49,00 per lamp unit.

## ANNUAL SAVINGS 185 HV

Burning hours: 10 hrs x 300 days = 3000 hrs per year

**Electricity savings 1250 Lm:**
36W - 22W = 14W x 3000 hrs = 42 kWh x €0,25 = €13,-
Maintenance cost: 1 lamps x 0,25 hr x €35 = €8,75
Lamp replacement cost: 1 x €4,- = €4,-
Total annual savings: €25,75 per lamp unit.

**Electricity savings 2000 Lm:**
52W - 22W = 30W x 3000 hrs = 90 kWh x €0,25 = €22,50
Maintenance cost: 1 lamp x 0,25hr x €35 = €8.75
Lamp replacement cost: 1 x €4,- = €4,-
Total annual savings: €35,25 per lamp unit.