

## FEATURES

- High CRI LED optimized towards TM30
- ENEC approved drivers
- Warm dim version to 1800K available



## SPRINGS

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

LV  
24° /  
60°

LV  
80°

## COLOURS

Available colours:

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

# Fluxe 90 LV

Adjustable

## SPECIFICATIONS

|                            |   |
|----------------------------|---|
| Beam angle (FWHM)          | 24° / 60° / 80°   |
| Fixture material           | Housing: Die cast aluminium / Reflector glass: Polycarbonate  |
| Environment                | Indoor  |
| IK rate                    | IK03  |
| Operating temperature (Ta) | -20°C / +45°C <sup>1</sup>  |
| 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) |
| Safety class               | II  |
| Energy class               | These products contains a light source of energy efficiency class G (1800-3000K) / F (2700K/3000K) / E (4000K)                |

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

<sup>1</sup> In applications with a flat roof (f.i. car showrooms) the temperatures may exceed 45°C. Please ask our sales office for a special driver.

## CRI97 VARIATIONS

|                                     |        |
|-------------------------------------|--------|
| Fluxe 90 LV 2700K CRI97 1150LM      | page 3 |
| Fluxe 90 LV 3000K CRI97 1250LM      | page 4 |
| Fluxe 90 LV 4000K CRI97 1350LM      | page 5 |
| Fluxe 90 LV 1800-3000K CRI97 1250LM | page 6 |

## CRI97 CHOOSE YOUR LV LUMEN OUTPUT

|                 | mA  | W    | Lumen Output |       |       | Lumen / Watt |       |       | Driver types |        |            |        |         |
|-----------------|-----|------|--------------|-------|-------|--------------|-------|-------|--------------|--------|------------|--------|---------|
|                 |     |      | 2700K        | 3000K | 4000K | 2700K        | 3000K | 4000K | No dim       | Triac  | 1-10V&Push | Dali   | Casambi |
| Special request | 125 | 5,0  | 475          | 500   | 525   | 95           | 100   | 105   | 127570       | x      | x          | x      | x       |
| Special request | 150 | 6,1  | 550          | 575   | 625   | 91           | 95    | 103   | 127570       | x      | x          | x      | x       |
| Special request | 200 | 8,1  | 700          | 750   | 825   | 86           | 93    | 102   | 127570       | x      | x          | x      | x       |
| Special request | 250 | 9,8  | 850          | 900   | 1000  | 87           | 92    | 102   | 127570       | x      | x          | 127576 | 127630  |
| Special request | 300 | 12,0 | 1050         | 1100  | 1200  | 88           | 92    | 100   | 127570       | x      | 123400     | 127576 | 127630  |
| Standard        | 350 | 13,8 | 1150         | 1250  | 1350  | 83           | 91    | 98    | 127570       | 127030 | 123400     | 127576 | 127630  |

## CRI80 ON REQUEST

|                 | mA  | W    | Lumen Output |       |       | Lumen / Watt |       |       | Driver types |        |            |        |         |
|-----------------|-----|------|--------------|-------|-------|--------------|-------|-------|--------------|--------|------------|--------|---------|
|                 |     |      | 2700K        | 3000K | 4000K | 2700K        | 3000K | 4000K | No dim       | Triac  | 1-10V&Push | Dali   | Casambi |
| Special request | 125 | 5,0  | 575          | 625   | 650   | 115          | 125   | 130   | 127570       | x      | x          | x      | x       |
| Special request | 150 | 6,1  | 700          | 750   | 775   | 115          | 123   | 128   | 127570       | x      | x          | x      | x       |
| Special request | 200 | 8,1  | 925          | 975   | 1025  | 114          | 120   | 127   | 127570       | x      | x          | x      | x       |
| Special request | 250 | 9,8  | 1125         | 1175  | 1225  | 115          | 120   | 125   | 127570       | x      | x          | 127576 | 127630  |
| Special request | 300 | 12,0 | 1350         | 1425  | 1500  | 113          | 119   | 125   | 127570       | x      | 123400     | 127576 | 127630  |
| Standard        | 350 | 13,8 | 1550         | 1625  | 1700  | 112          | 118   | 123   | 127570       | 127030 | 123400     | 127576 | 127630  |

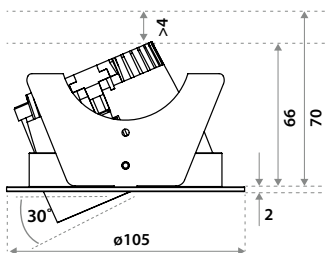
## FIRE RATING TUBE

| Description         | Item code    | Hole size | time    |
|---------------------|--------------|-----------|---------|
| Fire rating tube 90 | 009D03MW0000 | ø94x70mm  | 90 min. |



**⚠** Only in combination with WS (wire) springs versions.

## DIMENSIONS



## HOLE SIZE



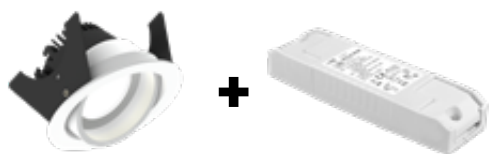
**Using CS springs:** Ø 90 mm.  
Thickness ceiling 5-70 mm  
& recess depth 70 mm.



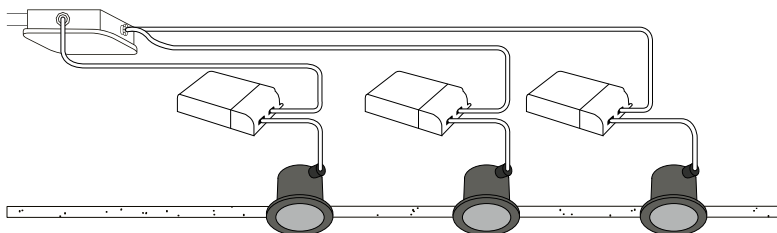
**Using WS springs:** Ø 92 mm.  
Thickness ceiling 1-50 mm  
& recess depth 70 mm.

## FLUXE 90 LV

Downlight incl. PSU



2700K CRI97 1150LM



### ITEM SPECIFICATIONS (PART A)

| Description                                     | Item code CS | Item code WS | Extra     | Input    | W    | Lm   | Lm/W | CRI (typ.) |
|---|--------------|--------------|-----------|----------|------|------|------|------------|
| Fluxe 90 LV 2700K 1150Lm CRI97 24° No dim       | 805C03XX4K02 | 805C03XX9K02 | incl. PSU | 220-240V | 13,8 | 1150 | 83   | 97         |
| Fluxe 90 LV 2700K 1150Lm CRI97 24° Triac        | 805C03XX4A02 | 805C03XX9A02 | incl. PSU | 220-240V | 13,8 | 1150 | 83   | 97         |
| Fluxe 90 LV 2700K 1150Lm CRI97 24° 1-10V & Push | 805C03XX4T02 | 805C03XX9T02 | incl. PSU | 220-240V | 13,8 | 1150 | 83   | 97         |
| Fluxe 90 LV 2700K 1150Lm CRI97 24° Dali         | 805C03XX4B02 | 805C03XX9B02 | incl. PSU | 220-240V | 13,8 | 1150 | 83   | 97         |
| Fluxe 90 LV 2700K 1150Lm CRI97 24° Casambi      | 805C03XX4C02 | 805C03XX9C02 | incl. PSU | 220-240V | 13,8 | 1150 | 83   | 97         |
| Fluxe 90 LV 2700K 1150Lm CRI97 60° No dim       | 805C03XX4L02 | 805C03XX9L02 | incl. PSU | 220-240V | 13,8 | 1150 | 83   | 97         |
| Fluxe 90 LV 2700K 1150Lm CRI97 60° Triac        | 805C03XX4D02 | 805C03XX9D02 | incl. PSU | 220-240V | 13,8 | 1150 | 83   | 97         |
| Fluxe 90 LV 2700K 1150Lm CRI97 60° 1-10V & Push | 805C03XX4U02 | 805C03XX9U02 | incl. PSU | 220-240V | 13,8 | 1150 | 83   | 97         |
| Fluxe 90 LV 2700K 1150Lm CRI97 60° Dali         | 805C03XX4E02 | 805C03XX9E02 | incl. PSU | 220-240V | 13,8 | 1150 | 83   | 97         |
| Fluxe 90 LV 2700K 1150Lm CRI97 60° Casambi      | 805C03XX4F02 | 805C03XX9F02 | incl. PSU | 220-240V | 13,8 | 1150 | 83   | 97         |
| Fluxe 90 LV 2700K 1150Lm CRI97 80° No dim       | 805C03XX4M02 | 805C03XX9M02 | incl. PSU | 220-240V | 13,8 | 1150 | 83   | 97         |
| Fluxe 90 LV 2700K 1150Lm CRI97 80° Triac        | 805C03XX4G02 | 805C03XX9G02 | incl. PSU | 220-240V | 13,8 | 1150 | 83   | 97         |
| Fluxe 90 LV 2700K 1150Lm CRI97 80° 1-10V & Push | 805C03XX4V02 | 805C03XX9V02 | incl. PSU | 220-240V | 13,8 | 1150 | 83   | 97         |
| Fluxe 90 LV 2700K 1150Lm CRI97 80° Dali         | 805C03XX4H02 | 805C03XX9H02 | incl. PSU | 220-240V | 13,8 | 1150 | 83   | 97         |
| Fluxe 90 LV 2700K 1150Lm CRI97 80° Casambi      | 805C03XX4J02 | 805C03XX9J02 | incl. PSU | 220-240V | 13,8 | 1150 | 83   | 97         |

### ITEM SPECIFICATIONS (PART B)

| Description                                     | R9 | Rf | Rg  | R15 | UGR  | Pf   | Ripple | Inrush  | B16A   |
|---|----|----|-----|-----|------|------|--------|---------|--------|
| Fluxe 90 LV 2700K 1150Lm CRI97 24° No dim       | 93 | 96 | 103 | 99  | 22.8 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 2700K 1150Lm CRI97 24° Triac        | 93 | 96 | 103 | 99  | 22.8 | 0.95 | <3%    | 2A 50µS | 50 pcs |
| Fluxe 90 LV 2700K 1150Lm CRI97 24° 1-10V & Push | 93 | 96 | 103 | 99  | 22.8 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 2700K 1150Lm CRI97 24° Dali         | 93 | 96 | 103 | 99  | 22.8 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 2700K 1150Lm CRI97 24° Casambi      | 93 | 96 | 103 | 99  | 22.8 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 2700K 1150Lm CRI97 60° No dim       | 93 | 96 | 103 | 99  | 23.7 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 2700K 1150Lm CRI97 60° Triac        | 93 | 96 | 103 | 99  | 23.7 | 0.95 | <3%    | 2A 50µS | 50 pcs |
| Fluxe 90 LV 2700K 1150Lm CRI97 60° 1-10V & Push | 93 | 96 | 103 | 99  | 23.7 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 2700K 1150Lm CRI97 60° Dali         | 93 | 96 | 103 | 99  | 23.7 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 2700K 1150Lm CRI97 60° Casambi      | 93 | 96 | 103 | 99  | 23.7 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 2700K 1150Lm CRI97 80° No dim       | 93 | 96 | 103 | 99  | 28.1 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 2700K 1150Lm CRI97 80° Triac        | 93 | 96 | 103 | 99  | 28.1 | 0.95 | <3%    | 2A 50µS | 50 pcs |
| Fluxe 90 LV 2700K 1150Lm CRI97 80° 1-10V & Push | 93 | 96 | 103 | 99  | 28.1 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 2700K 1150Lm CRI97 80° Dali         | 93 | 96 | 103 | 99  | 28.1 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 2700K 1150Lm CRI97 80° Casambi      | 93 | 96 | 103 | 99  | 28.1 | 0.95 | <3%    | 5A 50µS | 50 pcs |

### ITEM SPECIFICATIONS (PART C)

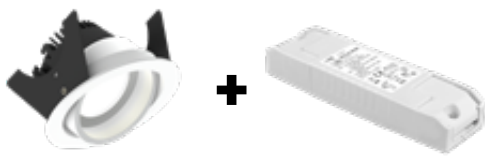
| Description                    | Safety class | Energy class | Weight | Dimensions single carton | Quantity per carton | Expected lifespan B10 reported (25°C) |             |             |
|--------------------------------|--------------|--------------|--------|--------------------------|---------------------|---------------------------------------|-------------|-------------|
|                                |              |              |        |                          |                     | L70B10                                | L80B10      | L90B10      |
| Fluxe 90 LV 2700K 1150Lm CRI97 | II           | F            | 460 gr | 160x107x100 mm           | 18 pcs              | >60.500 hrs                           | >60.500 hrs | >60.500 hrs |

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

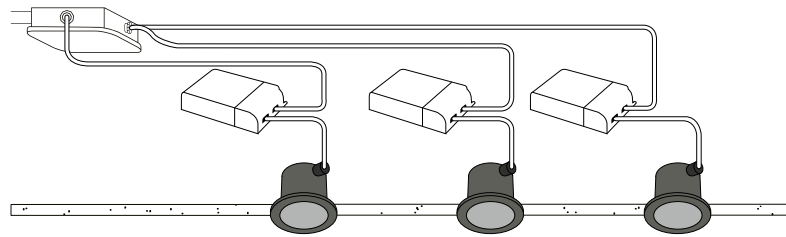
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## FLUXE 90 LV

Downlight incl. PSU



3000K CRI97 1250LM



### ITEM SPECIFICATIONS (PART A)

| Description                                     | Item code CS | Item code WS | Extra     | Input    | W    | Lm   | Lm/W | CRI (typ.) |
|---|--------------|--------------|-----------|----------|------|------|------|------------|
| Fluxe 90 LV 3000K 1250Lm CRI97 24° No dim       | 805D03XX4K02 | 805D03XX9K02 | incl. PSU | 220-240V | 13,8 | 1250 | 91   | 97         |
| Fluxe 90 LV 3000K 1250Lm CRI97 24° Triac        | 805D03XX4A02 | 805D03XX9A02 | incl. PSU | 220-240V | 13,8 | 1250 | 91   | 97         |
| Fluxe 90 LV 3000K 1250Lm CRI97 24° 1-10V & Push | 805D03XX4T02 | 805D03XX9T02 | incl. PSU | 220-240V | 13,8 | 1250 | 91   | 97         |
| Fluxe 90 LV 3000K 1250Lm CRI97 24° Dali         | 805D03XX4B02 | 805D03XX9B02 | incl. PSU | 220-240V | 13,8 | 1250 | 91   | 97         |
| Fluxe 90 LV 3000K 1250Lm CRI97 24° Casambi      | 805D03XX4C02 | 805D03XX9C02 | incl. PSU | 220-240V | 13,8 | 1250 | 91   | 97         |
| Fluxe 90 LV 3000K 1250Lm CRI97 60° No dim       | 805D03XX4L02 | 805D03XX9L02 | incl. PSU | 220-240V | 13,8 | 1250 | 91   | 97         |
| Fluxe 90 LV 3000K 1250Lm CRI97 60° Triac        | 805D03XX4D02 | 805D03XX9D02 | incl. PSU | 220-240V | 13,8 | 1250 | 91   | 97         |
| Fluxe 90 LV 3000K 1250Lm CRI97 60° 1-10V & Push | 805D03XX4U02 | 805D03XX9U02 | incl. PSU | 220-240V | 13,8 | 1250 | 91   | 97         |
| Fluxe 90 LV 3000K 1250Lm CRI97 60° Dali         | 805D03XX4E02 | 805D03XX9E02 | incl. PSU | 220-240V | 13,8 | 1250 | 91   | 97         |
| Fluxe 90 LV 3000K 1250Lm CRI97 60° Casambi      | 805D03XX4F02 | 805D03XX9F02 | incl. PSU | 220-240V | 13,8 | 1250 | 91   | 97         |
| Fluxe 90 LV 3000K 1250Lm CRI97 80° No dim       | 805D03XX4M02 | 805D03XX9M02 | incl. PSU | 220-240V | 13,8 | 1250 | 91   | 97         |
| Fluxe 90 LV 3000K 1250Lm CRI97 80° Triac        | 805D03XX4G02 | 805D03XX9G02 | incl. PSU | 220-240V | 13,8 | 1250 | 91   | 97         |
| Fluxe 90 LV 3000K 1250Lm CRI97 80° 1-10V & Push | 805D03XX4V02 | 805D03XX9V02 | incl. PSU | 220-240V | 13,8 | 1250 | 91   | 97         |
| Fluxe 90 LV 3000K 1250Lm CRI97 80° Dali         | 805D03XX4H02 | 805D03XX9H02 | incl. PSU | 220-240V | 13,8 | 1250 | 91   | 97         |
| Fluxe 90 LV 3000K 1250Lm CRI97 80° Casambi      | 805D03XX4J02 | 805D03XX9J02 | incl. PSU | 220-240V | 13,8 | 1250 | 91   | 97         |

### ITEM SPECIFICATIONS (PART B)

| Description                                     | R9 | Rf | Rg  | R15 | UGR  | Pf   | Ripple | Inrush  | B16A   |
|---|----|----|-----|-----|------|------|--------|---------|--------|
| Fluxe 90 LV 3000K 1250Lm CRI97 24° No dim       | 96 | 95 | 103 | 100 | 23.1 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 3000K 1250Lm CRI97 24° Triac        | 96 | 95 | 103 | 100 | 23.1 | 0.95 | <3%    | 2A 50µS | 50 pcs |
| Fluxe 90 LV 3000K 1250Lm CRI97 24° 1-10V & Push | 96 | 95 | 103 | 100 | 23.1 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 3000K 1250Lm CRI97 24° Dali         | 96 | 95 | 103 | 100 | 23.1 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 3000K 1250Lm CRI97 24° Casambi      | 96 | 95 | 103 | 100 | 23.1 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 3000K 1250Lm CRI97 60° No dim       | 96 | 95 | 103 | 100 | 24.0 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 3000K 1250Lm CRI97 60° Triac        | 96 | 95 | 103 | 100 | 24.0 | 0.95 | <3%    | 2A 50µS | 50 pcs |
| Fluxe 90 LV 3000K 1250Lm CRI97 60° 1-10V & Push | 96 | 95 | 103 | 100 | 24.0 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 3000K 1250Lm CRI97 60° Dali         | 96 | 95 | 103 | 100 | 24.0 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 3000K 1250Lm CRI97 60° Casambi      | 96 | 95 | 103 | 100 | 24.0 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 3000K 1250Lm CRI97 80° No dim       | 96 | 95 | 103 | 100 | 28.4 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 3000K 1250Lm CRI97 80° Triac        | 96 | 95 | 103 | 100 | 28.4 | 0.95 | <3%    | 2A 50µS | 50 pcs |
| Fluxe 90 LV 3000K 1250Lm CRI97 80° 1-10V & Push | 96 | 95 | 103 | 100 | 28.4 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 3000K 1250Lm CRI97 80° Dali         | 96 | 95 | 103 | 100 | 28.4 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 3000K 1250Lm CRI97 80° Casambi      | 96 | 95 | 103 | 100 | 28.4 | 0.95 | <3%    | 5A 50µS | 50 pcs |

### ITEM SPECIFICATIONS (PART C)

| Description                    | Safety class | Energy class | Weight | Dimensions single carton | Quantity per carton | Expected lifespan B10 reported (25°C) |             |             |
|--------------------------------|--------------|--------------|--------|--------------------------|---------------------|---------------------------------------|-------------|-------------|
|                                |              |              |        |                          |                     | L70B10                                | L80B10      | L90B10      |
| Fluxe 90 LV 3000K 1250Lm CRI97 | II           | F            | 460 gr | 160x107x100 mm           | 18 pcs              | >60.500 hrs                           | >60.500 hrs | >60.500 hrs |

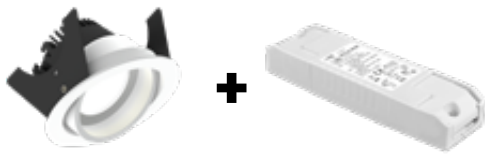
All values are measured at 230V (+/- 7%)

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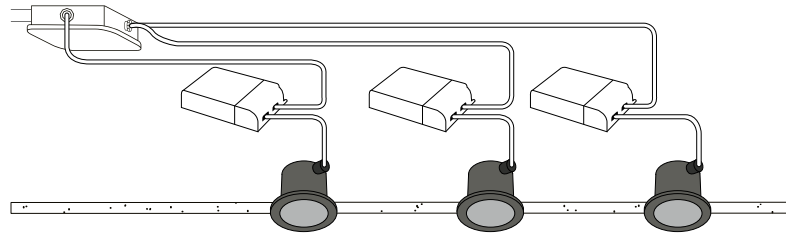


## FLUXE 90 LV

Downlight incl. PSU



4000K CRI97 1350LM



### ITEM SPECIFICATIONS (PART A)

| Description                                     | Item code CS | Item code WS | Extra     | Input    | W    | Lm   | Lm/W | CRI (typ.) |
|---|--------------|--------------|-----------|----------|------|------|------|------------|
| Fluxe 90 LV 4000K 1350Lm CRI97 24° No dim       | 805H03XX4K02 | 805H03XX9K02 | incl. PSU | 220-240V | 13,8 | 1350 | 98   | 97         |
| Fluxe 90 LV 4000K 1350Lm CRI97 24° Triac        | 805H03XX4A02 | 805H03XX9A02 | incl. PSU | 220-240V | 13,8 | 1350 | 98   | 97         |
| Fluxe 90 LV 4000K 1350Lm CRI97 24° 1-10V & Push | 805H03XX4T02 | 805H03XX9T02 | incl. PSU | 220-240V | 13,8 | 1350 | 98   | 97         |
| Fluxe 90 LV 4000K 1350Lm CRI97 24° Dali         | 805H03XX4B02 | 805H03XX9B02 | incl. PSU | 220-240V | 13,8 | 1350 | 98   | 97         |
| Fluxe 90 LV 4000K 1350Lm CRI97 24° Casambi      | 805H03XX4C02 | 805H03XX9C02 | incl. PSU | 220-240V | 13,8 | 1350 | 98   | 97         |
| Fluxe 90 LV 4000K 1350Lm CRI97 60° No dim       | 805H03XX4L02 | 805H03XX9L02 | incl. PSU | 220-240V | 13,8 | 1350 | 98   | 97         |
| Fluxe 90 LV 4000K 1350Lm CRI97 60° Triac        | 805H03XX4D02 | 805H03XX9D02 | incl. PSU | 220-240V | 13,8 | 1350 | 98   | 97         |
| Fluxe 90 LV 4000K 1350Lm CRI97 60° 1-10V & Push | 805H03XX4U02 | 805H03XX9U02 | incl. PSU | 220-240V | 13,8 | 1350 | 98   | 97         |
| Fluxe 90 LV 4000K 1350Lm CRI97 60° Dali         | 805H03XX4E02 | 805H03XX9E02 | incl. PSU | 220-240V | 13,8 | 1350 | 98   | 97         |
| Fluxe 90 LV 4000K 1350Lm CRI97 60° Casambi      | 805H03XX4F02 | 805H03XX9F02 | incl. PSU | 220-240V | 13,8 | 1350 | 98   | 97         |
| Fluxe 90 LV 4000K 1350Lm CRI97 80° No dim       | 805H03XX4M02 | 805H03XX9M02 | incl. PSU | 220-240V | 13,8 | 1350 | 98   | 97         |
| Fluxe 90 LV 4000K 1350Lm CRI97 80° Triac        | 805H03XX4G02 | 805H03XX9G02 | incl. PSU | 220-240V | 13,8 | 1350 | 98   | 97         |
| Fluxe 90 LV 4000K 1350Lm CRI97 80° 1-10V & Push | 805H03XX4V02 | 805H03XX9V02 | incl. PSU | 220-240V | 13,8 | 1350 | 98   | 97         |
| Fluxe 90 LV 4000K 1350Lm CRI97 80° Dali         | 805H03XX4H02 | 805H03XX9H02 | incl. PSU | 220-240V | 13,8 | 1350 | 98   | 97         |
| Fluxe 90 LV 4000K 1350Lm CRI97 80° Casambi      | 805H03XX4J02 | 805H03XX9J02 | incl. PSU | 220-240V | 13,8 | 1350 | 98   | 97         |

### ITEM SPECIFICATIONS (PART B)

| Description                                     | R9 | Rf | Rg  | R15 | UGR  | Pf   | Ripple | Inrush  | B16A   |
|---|----|----|-----|-----|------|------|--------|---------|--------|
| Fluxe 90 LV 4000K 1350Lm CRI97 24° No dim       | 96 | 95 | 103 | 100 | 23.4 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 4000K 1350Lm CRI97 24° Triac        | 96 | 95 | 103 | 100 | 23.4 | 0.95 | <3%    | 2A 50µS | 50 pcs |
| Fluxe 90 LV 4000K 1350Lm CRI97 24° 1-10V & Push | 96 | 95 | 103 | 100 | 23.4 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 4000K 1350Lm CRI97 24° Dali         | 96 | 95 | 103 | 100 | 23.4 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 4000K 1350Lm CRI97 24° Casambi      | 96 | 95 | 103 | 100 | 23.4 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 4000K 1350Lm CRI97 60° No dim       | 96 | 95 | 103 | 100 | 24.2 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 4000K 1350Lm CRI97 60° Triac        | 96 | 95 | 103 | 100 | 24.2 | 0.95 | <3%    | 2A 50µS | 50 pcs |
| Fluxe 90 LV 4000K 1350Lm CRI97 60° 1-10V & Push | 96 | 95 | 103 | 100 | 24.2 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 4000K 1350Lm CRI97 60° Dali         | 96 | 95 | 103 | 100 | 24.2 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 4000K 1350Lm CRI97 60° Casambi      | 96 | 95 | 103 | 100 | 24.2 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 4000K 1350Lm CRI97 80° No dim       | 96 | 95 | 103 | 100 | 28.7 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 4000K 1350Lm CRI97 80° Triac        | 96 | 95 | 103 | 100 | 28.7 | 0.95 | <3%    | 2A 50µS | 50 pcs |
| Fluxe 90 LV 4000K 1350Lm CRI97 80° 1-10V & Push | 96 | 95 | 103 | 100 | 28.7 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 4000K 1350Lm CRI97 80° Dali         | 96 | 95 | 103 | 100 | 28.7 | 0.95 | <3%    | 5A 50µS | 50 pcs |
| Fluxe 90 LV 4000K 1350Lm CRI97 80° Casambi      | 96 | 95 | 103 | 100 | 28.7 | 0.95 | <3%    | 5A 50µS | 50 pcs |

### ITEM SPECIFICATIONS (PART C)

| Description                    | Safety class | Energy class | Weight | Dimensions single carton | Quantity per carton | Expected lifespan B10 reported (25°C) |             |             |
|--------------------------------|--------------|--------------|--------|--------------------------|---------------------|---------------------------------------|-------------|-------------|
|                                |              |              |        |                          |                     | L70B10                                | L80B10      | L90B10      |
| Fluxe 90 LV 4000K 1350Lm CRI97 | II           | E            | 460 gr | 160x107x100 mm           | 18 pcs              | >60.500 hrs                           | >60.500 hrs | >60.500 hrs |

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

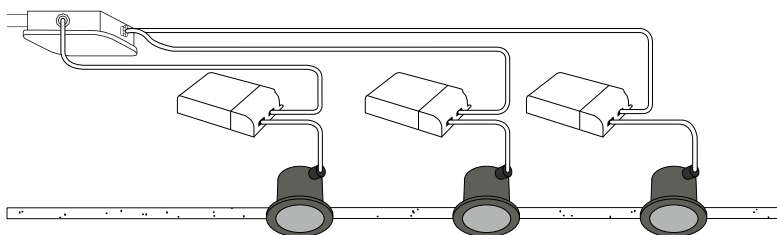
22-04-2022

## FLUXE 90 LV

Downlight incl. PSU



1800-3000K CRI97 1250LM



### ITEM SPECIFICATIONS (PART A)

| Description                                      | 24°          |              |      | 60°          |              |      | 80°          |              |      |
|--|--------------|--------------|------|--------------|--------------|------|--------------|--------------|------|
|  | Item code    |              | UGR  | Item code    |              | UGR  | Item code    |              | UGR  |
|  | CS           | WS           |      | CS           | WS           |      | CS           | WS           |      |
| Fluxe 90 LV 1800-3000K 1250Lm CRI97 Triac        | 805F03XX4A02 | 805F03XX9A02 | 23.1 | 805F03XX4D02 | 805F03XX9D02 | 24.0 | 805F03XX4G02 | 805F03XX9G02 | 28.4 |
| Fluxe 90 LV 1800-3000K 1250Lm CRI97 1-10V & Push | 805F03XX4T02 | 805F03XX9T02 | 23.1 | 805F03XX4U02 | 805F03XX9U02 | 24.0 | 805F03XX4V02 | 805F03XX9V02 | 28.4 |
| Fluxe 90 LV 1800-3000K 1250Lm CRI97 Dali         | 805F03XX4B02 | 805F03XX9B02 | 23.1 | 805F03XX4E02 | 805F03XX9E02 | 24.0 | 805F03XX4H02 | 805F03XX9H02 | 28.4 |
| Fluxe 90 LV 1800-3000K 1250Lm CRI97 Casambi      | 805F03XX4C02 | 805F03XX9C02 | 23.1 | 805F03XX4F02 | 805F03XX9F02 | 24.0 | 805F03XX4J02 | 805F03XX9J02 | 28.4 |

### ITEM SPECIFICATIONS (PART B)

| Description                                      | CCT  | W    | Lm   | Lm/W | CRI (typ.) | R9 | Rf | Rg | mA  | Pf  | Ripple | Inrush | B16A           |
|--|------|------|------|------|------------|----|----|----|-----|-----|--------|--------|----------------|
| Fluxe 90 LV 1800-3000K 1250Lm CRI97 Triac        | 100% | 3000 | 13,8 | 1250 | 91         | 97 | 93 | 95 | 102 | 350 | 0.95   | <3%    | 2A 50µS 50 pcs |
|  | 50%  | 2500 | 6,9  | 625  | 90         | 94 | 90 | 95 | 105 |     |        |        |                |
|  | 25%  | 2200 | 3,4  | 300  | 88         | 93 | 94 | 93 | 105 |     |        |        |                |
|  | 10%  | 1800 | 1,4  | 125  | 89         | 92 | 97 | 86 | 110 |     |        |        |                |
| Fluxe 90 LV 1800-3000K 1250Lm CRI97 1-10V & Push | 100% | 3000 | 13,8 | 1250 | 91         | 97 | 93 | 95 | 102 | 350 | 0.95   | <3%    | 5A 50µS 50 pcs |
|  | 50%  | 2500 | 6,9  | 625  | 90         | 94 | 90 | 95 | 105 |     |        |        |                |
|  | 25%  | 2200 | 3,4  | 300  | 88         | 93 | 94 | 93 | 105 |     |        |        |                |
|  | 10%  | 1800 | 1,4  | 125  | 89         | 92 | 97 | 86 | 110 |     |        |        |                |
| Fluxe 90 LV 1800-3000K 1250Lm CRI97 Dali         | 100% | 3000 | 13,8 | 1250 | 91         | 97 | 93 | 95 | 102 | 350 | 0.95   | <3%    | 5A 50µS 50 pcs |
|  | 50%  | 2500 | 6,9  | 625  | 90         | 94 | 90 | 95 | 105 |     |        |        |                |
|  | 25%  | 2200 | 3,4  | 300  | 88         | 93 | 94 | 93 | 105 |     |        |        |                |
|  | 10%  | 1800 | 1,4  | 125  | 89         | 92 | 97 | 86 | 110 |     |        |        |                |
| Fluxe 90 LV 1800-3000K 1250Lm CRI97 Casambi      | 100% | 3000 | 13,8 | 1250 | 91         | 97 | 93 | 95 | 102 | 350 | 0.95   | <3%    | 5A 50µS 50 pcs |
|  | 50%  | 2500 | 6,9  | 625  | 90         | 94 | 90 | 95 | 105 |     |        |        |                |
|  | 25%  | 2200 | 3,4  | 300  | 88         | 93 | 94 | 93 | 105 |     |        |        |                |
|  | 10%  | 1800 | 1,4  | 125  | 89         | 92 | 97 | 86 | 110 |     |        |        |                |

### ITEM SPECIFICATIONS (PART C)

| Description                         | Safety class | Energy class | Weight | Dimensions single carton | Quantity per carton | Expected lifespan B10 reported (25°C) |             |             |
|-------------------------------------|--------------|--------------|--------|--------------------------|---------------------|---------------------------------------|-------------|-------------|
|                                     |              |              |        |                          |                     | L70B10                                | L80B10      | L90B10      |
| Fluxe 90 LV 1800-3000K 1250Lm CRI97 | II           | G            | 460 gr | 160x107x100 mm           | 18 pcs              | >60.500 hrs                           | >60.500 hrs | >60.500 hrs |

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

22-04-2022

## NEW STANDARDS REQUIRE NEW LEDS

TM-30 (new color norm): The Illuminating Engineering Society (IES) has published a new Technical Memorandum – TM-30-15 entitled “IES Method for Evaluating Light Source Color Rendition” – that promises to supplant CRI as a color metric. TM-30 relies on separate fidelity and gamut metrics, as well as a set of color samples that is more representative of real-world objects, as opposed to the pastel samples that were primarily used for the baseline CRI metric that was sometimes called Ra. The new color metric is intended to fairly and accurately characterize both LED-based solid-state lighting (SSL) and legacy sources.



### Desaturated

CRI = 80 / R<sub>g</sub> = 92



### Red-Enhanced

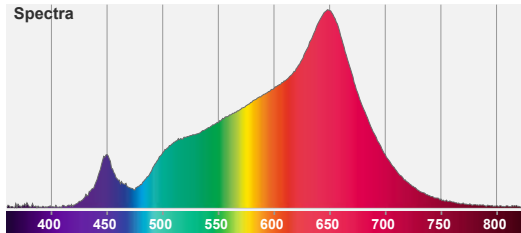
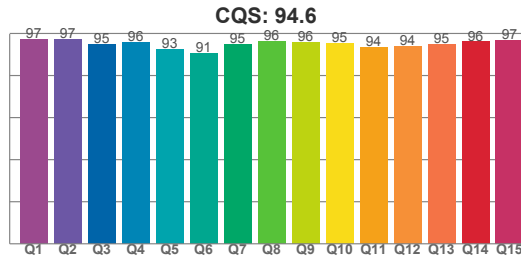
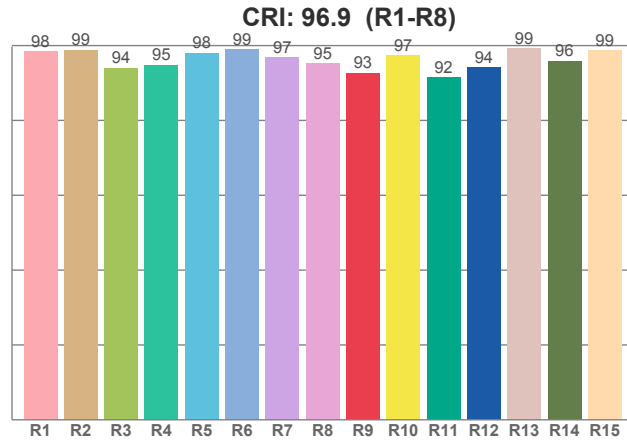
CRI = 98 / R<sub>g</sub> = 103

## SPECIAL LEDS AVAILABLE

|                             | CCT   | CRI | R9 | RF | RG  | R15 | TLCI | DOWNLIGHTS SMALL |      | DOWNLIGHTS LARGE |      | DOWNLIGHTS LARGE |      | ITEM CODE    |
|-----------------------------|-------|-----|----|----|-----|-----|------|------------------|------|------------------|------|------------------|------|--------------|
|                             |       |     |    |    |     |     |      | MA               | LM   | MA               | LM   | MA               | LM   |              |
| <b>CRI80</b>                | 2700K | 82  | 5  | 82 | 92  | 75  | 69   | 350 mA           | 1550 | 700 mA           | 2900 | 1200 mA          | 4800 | 51-4028-27-1 |
| <b>CRI80</b>                | 3000K | 82  | 5  | 81 | 93  | 75  | 66   | 350 mA           | 1625 | 700 mA           | 3000 | 1200 mA          | 5000 | 51-4028-30-1 |
| <b>CRI80</b>                | 4000K | 82  | 5  | 81 | 93  | 74  | 66   | 350 mA           | 1700 | 700 mA           | 3400 | 1200 mA          | 5700 | 51-4028-40-1 |
| <b>CRI97</b>                | 2700K | 97  | 93 | 96 | 103 | 99  | 97   | 350 mA           | 1150 | 800 mA           | x    | 1400 mA          | x    | 50-3031-27   |
| <b>CRI97</b>                | 3000K | 97  | 96 | 95 | 103 | 100 | 97   | 350 mA           | 1250 | 800 mA           | 2500 | 1400 mA          | 3750 | 50-3031-30   |
| <b>CRI97</b>                | 4000K | 97  | 96 | 95 | 103 | 100 | 97   | 350 mA           | 1350 | 800 mA           | x    | 1400 mA          | x    | 50-3031-40   |
| <b>CrispWhite</b>           | 3000K | 90  | 61 | 87 | 102 | 89  | 83   | 350 mA           | 780  | 900 mA           | 2300 | 1400 mA          | 3550 | 51-4029-30   |
| <b>CrispColor</b>           | 4000K | 95  | 96 | 90 | 101 | 95  | 96   | 350 mA           | 1050 | 900 mA           | 2700 | 1400 mA          | 4700 | 51-4051-40   |
| <b>Red Meat</b>             | 1800K | 82  | 81 | 77 | 119 | 95  | 60   | 350 mA           | 515  | 900 mA           | 1750 | 1400 mA          | 2350 | 51-4042-00   |
| <b>Bread &amp; Pastries</b> | 2700K | 92  | 54 | 89 | 96  | 86  | 91   | 350 mA           | 770  | 900 mA           | 2600 | 1400 mA          | 3500 | 51-4045-00   |

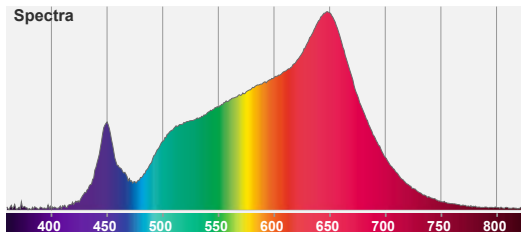
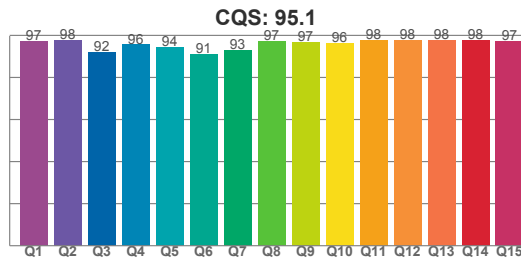
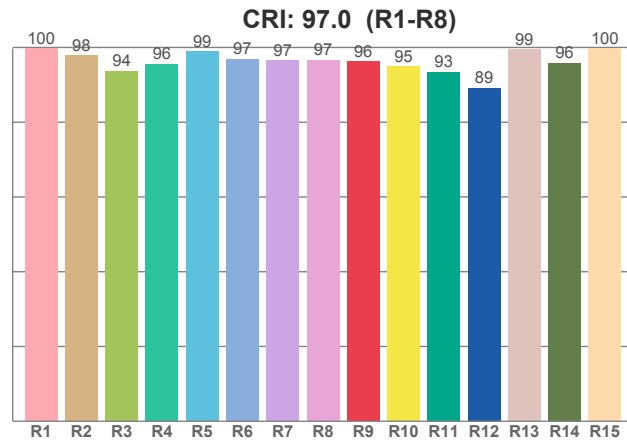


## 2700K



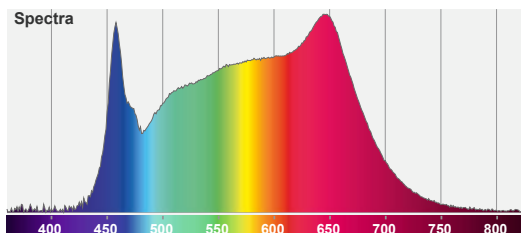
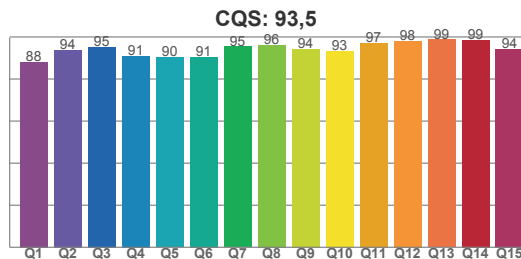
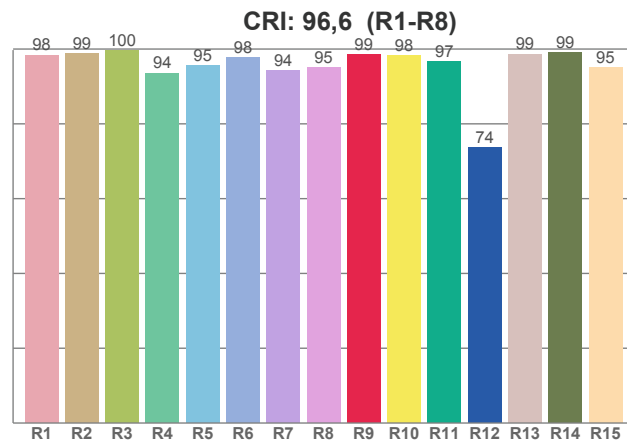
| CCT   | CRI  | CRI R9 | TM30 Rf | TM30 Rg | CQS  |
|-------|------|--------|---------|---------|------|
| 2700K | 96.9 | 92.7   | 96.0    | 102.6   | 94.6 |

## 3000K



| CCT    | CRI  | CRI R9 | TM30 Rf | TM30 Rg | CQS  |
|--------|------|--------|---------|---------|------|
| 3000 K | 97.0 | 96.2   | 95.0    | 103.3   | 95.1 |

## 4000K



| CCT   | CRI  | CRI R9 | TM30 Rf | TM30 Rg | CQS  |
|-------|------|--------|---------|---------|------|
| 4000K | 96.6 | 98.5   | 88.3    | 96.2    | 93.5 |