

FEATURES

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



COLOURS

Available colours:



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

SPRINGS

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

Linea 75 LV

Fixed

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 |
| 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 | A |

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



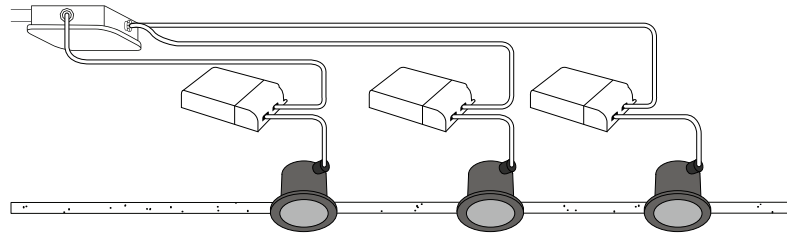
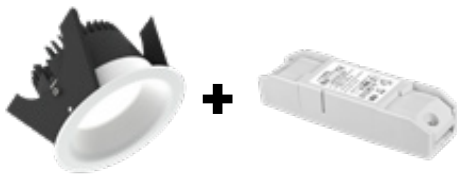
Only when the product is installed in a closed ceiling it may be exposed to water splashes, and only on its front side.

IP20

IP44

LINEA 75 LV 2700K

Downlight incl. PSU



ITEM SPECIFICATIONS (PART A)

| Description | Item code CS | Item code WS | Extra | Input | W | Lm | Lm/W | CRI (typ.) |
|--------------------------------------------|--------------|--------------|-----------|----------|------|------|------|------------|
| Linea 75 LV 2700K 1150Lm CRI97 24° No dim | 915A03XX4K02 | 915A03XX9K02 | incl. PSU | 220-240V | 13,8 | 1150 | 83 | 97 |
| Linea 75 LV 2700K 1150Lm CRI97 24° Triac | 915A03XX4A02 | 915A03XX9A02 | incl. PSU | 220-240V | 13,8 | 1150 | 83 | 97 |
| Linea 75 LV 2700K 1150Lm CRI97 24° Dali | 915A03XX4B02 | 915A03XX9B02 | incl. PSU | 220-240V | 13,8 | 1150 | 83 | 97 |
| Linea 75 LV 2700K 1150Lm CRI97 24° Casambi | 915A03XX4C02 | 915A03XX9C02 | incl. PSU | 220-240V | 13,8 | 1150 | 83 | 97 |
| Linea 75 LV 2700K 1150Lm CRI97 60° No dim | 915A03XX4L02 | 915A03XX9L02 | incl. PSU | 220-240V | 13,8 | 1150 | 83 | 97 |
| Linea 75 LV 2700K 1150Lm CRI97 60° Triac | 915A03XX4D02 | 915A03XX9D02 | incl. PSU | 220-240V | 13,8 | 1150 | 83 | 97 |
| Linea 75 LV 2700K 1150Lm CRI97 60° Dali | 915A03XX4E02 | 915A03XX9E02 | incl. PSU | 220-240V | 13,8 | 1150 | 83 | 97 |
| Linea 75 LV 2700K 1150Lm CRI97 60° Casambi | 915A03XX4F02 | 915A03XX9F02 | incl. PSU | 220-240V | 13,8 | 1150 | 83 | 97 |
| Linea 75 LV 2700K 1150Lm CRI97 80° No dim | 915A03XX4M02 | 915A03XX9M02 | incl. PSU | 220-240V | 13,8 | 1150 | 83 | 97 |
| Linea 75 LV 2700K 1150Lm CRI97 80° Triac | 915A03XX4G02 | 915A03XX9G02 | incl. PSU | 220-240V | 13,8 | 1150 | 83 | 97 |
| Linea 75 LV 2700K 1150Lm CRI97 80° Dali | 915A03XX4H02 | 915A03XX9H02 | incl. PSU | 220-240V | 13,8 | 1150 | 83 | 97 |
| Linea 75 LV 2700K 1150Lm CRI97 80° Casambi | 915A03XX4J02 | 915A03XX9J02 | incl. PSU | 220-240V | 13,8 | 1150 | 83 | 97 |

ITEM SPECIFICATIONS (PART B)

| Description | R9 | Rf | Rg | R15 | UGR | Pf | Ripple | Inrush | B16A |
|--------------------------------------------|----|----|-----|-----|------|------|--------|---------|--------|
| Linea 75 LV 2700K 1150Lm CRI97 24° No dim | 93 | 96 | 103 | 99 | 23.1 | 0.95 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 2700K 1150Lm CRI97 24° Triac | 93 | 96 | 103 | 99 | 23.1 | 0.95 | <3% | 2A 50µS | 50 pcs |
| Linea 75 LV 2700K 1150Lm CRI97 24° Dali | 93 | 96 | 103 | 99 | 23.1 | 0.92 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 2700K 1150Lm CRI97 24° Casambi | 93 | 96 | 103 | 99 | 23.1 | 0.95 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 2700K 1150Lm CRI97 60° No dim | 93 | 96 | 103 | 99 | 24.0 | 0.95 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 2700K 1150Lm CRI97 60° Triac | 93 | 96 | 103 | 99 | 24.0 | 0.95 | <3% | 2A 50µS | 50 pcs |
| Linea 75 LV 2700K 1150Lm CRI97 60° Dali | 93 | 96 | 103 | 99 | 24.0 | 0.92 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 2700K 1150Lm CRI97 60° Casambi | 93 | 96 | 103 | 99 | 24.0 | 0.95 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 2700K 1150Lm CRI97 80° No dim | 93 | 96 | 103 | 99 | 24.5 | 0.95 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 2700K 1150Lm CRI97 80° Triac | 93 | 96 | 103 | 99 | 24.5 | 0.95 | <3% | 2A 50µS | 50 pcs |
| Linea 75 LV 2700K 1150Lm CRI97 80° Dali | 93 | 96 | 103 | 99 | 24.5 | 0.92 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 2700K 1150Lm CRI97 80° Casambi | 93 | 96 | 103 | 99 | 24.5 | 0.95 | <3% | 5A 50µS | 50 pcs |

ITEM SPECIFICATIONS (PART C)

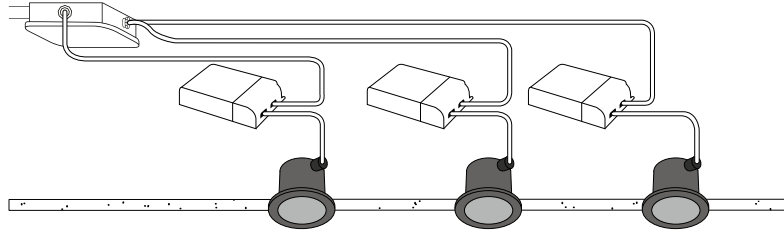
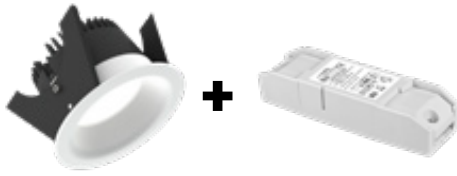
| Description | Safety class | Energy class | Weight | Dimensions single carton | Quantity per carton | Expected lifespan (25°C) | | |
|--------------------------------------------|--------------|--------------|--------|--------------------------|---------------------|--------------------------|-------------|-------------|
| | | | | | | L70B50 | L80B50 | L90B50 |
| Linea 75 LV 2700K 1150Lm CRI97 24° No dim | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 2700K 1150Lm CRI97 24° Triac | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 2700K 1150Lm CRI97 24° Dali | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 2700K 1150Lm CRI97 24° Casambi | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 2700K 1150Lm CRI97 60° No dim | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 2700K 1150Lm CRI97 60° Triac | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 2700K 1150Lm CRI97 60° Dali | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 2700K 1150Lm CRI97 60° Casambi | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 2700K 1150Lm CRI97 80° No dim | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 2700K 1150Lm CRI97 80° Triac | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 2700K 1150Lm CRI97 80° Dali | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 2700K 1150Lm CRI97 80° Casambi | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |

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

LINEA 75

LV 3000K

Downlight incl. PSU



ITEM SPECIFICATIONS (PART A)

| Description | Item code CS | Item code WS | Extra | Input | W | Lm | Lm/W | CRI (typ.) |
|--------------------------------------------|--------------|--------------|-----------|----------|------|------|------|------------|
| Linea 75 LV 3000K 1250Lm CRI97 24° No dim | 915B03XX4K02 | 915B03XX9K02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 3000K 1250Lm CRI97 24° Triac | 915B03XX4A02 | 915B03XX9A02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 3000K 1250Lm CRI97 24° Dali | 915B03XX4B02 | 915B03XX9B02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 3000K 1250Lm CRI97 24° Casambi | 915B03XX4C02 | 915B03XX9C02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 3000K 1250Lm CRI97 60° No dim | 915B03XX4L02 | 915B03XX9L02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 3000K 1250Lm CRI97 60° Triac | 915B03XX4D02 | 915B03XX9D02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 3000K 1250Lm CRI97 60° Dali | 915B03XX4E02 | 915B03XX9E02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 3000K 1250Lm CRI97 60° Casambi | 915B03XX4F02 | 915B03XX9F02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 3000K 1250Lm CRI97 80° No dim | 915B03XX4M02 | 915B03XX9M02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 3000K 1250Lm CRI97 80° Triac | 915B03XX4G02 | 915B03XX9G02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 3000K 1250Lm CRI97 80° Dali | 915B03XX4H02 | 915B03XX9H02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 3000K 1250Lm CRI97 80° Casambi | 915B03XX4J02 | 915B03XX9J02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |

ITEM SPECIFICATIONS (PART B)

| Description | R9 | Rf | Rg | R15 | UGR | Pf | Ripple | Inrush | B16A |
|--------------------------------------------|----|----|-----|-----|------|------|--------|---------|--------|
| Linea 75 LV 3000K 1250Lm CRI97 24° No dim | 96 | 95 | 103 | 100 | 23.1 | 0.95 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 3000K 1250Lm CRI97 24° Triac | 96 | 95 | 103 | 100 | 23.1 | 0.95 | <3% | 2A 50µS | 50 pcs |
| Linea 75 LV 3000K 1250Lm CRI97 24° Dali | 96 | 95 | 103 | 100 | 23.1 | 0.92 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 3000K 1250Lm CRI97 24° Casambi | 96 | 95 | 103 | 100 | 23.1 | 0.95 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 3000K 1250Lm CRI97 60° No dim | 96 | 95 | 103 | 100 | 24.0 | 0.95 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 3000K 1250Lm CRI97 60° Triac | 96 | 95 | 103 | 100 | 24.0 | 0.95 | <3% | 2A 50µS | 50 pcs |
| Linea 75 LV 3000K 1250Lm CRI97 60° Dali | 96 | 95 | 103 | 100 | 24.0 | 0.92 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 3000K 1250Lm CRI97 60° Casambi | 96 | 95 | 103 | 100 | 24.0 | 0.95 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 3000K 1250Lm CRI97 80° No dim | 96 | 95 | 103 | 100 | 24.5 | 0.95 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 3000K 1250Lm CRI97 80° Triac | 96 | 95 | 103 | 100 | 24.5 | 0.95 | <3% | 2A 50µS | 50 pcs |
| Linea 75 LV 3000K 1250Lm CRI97 80° Dali | 96 | 95 | 103 | 100 | 24.5 | 0.92 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 3000K 1250Lm CRI97 80° Casambi | 96 | 95 | 103 | 100 | 24.5 | 0.95 | <3% | 5A 50µS | 50 pcs |

ITEM SPECIFICATIONS (PART C)

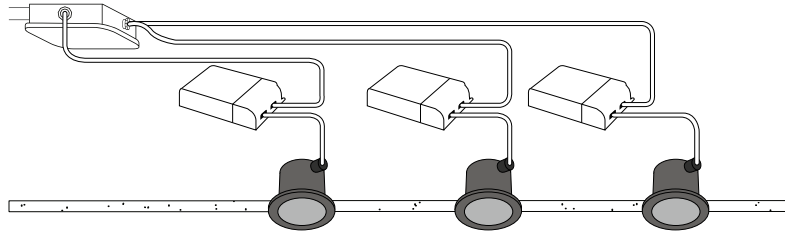
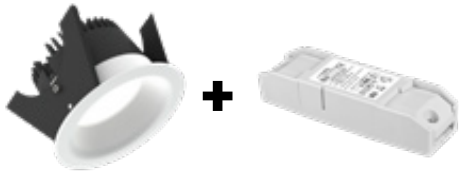
| Description | Safety class | Energy class | Weight | Dimensions single carton | Quantity per carton | Expected lifespan (25°C) | | |
|--------------------------------------------|--------------|--------------|--------|--------------------------|---------------------|--------------------------|-------------|-------------|
| | | | | | | L70B50 | L80B50 | L90B50 |
| Linea 75 LV 3000K 1250Lm CRI97 24° No dim | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 3000K 1250Lm CRI97 24° Triac | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 3000K 1250Lm CRI97 24° Dali | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 3000K 1250Lm CRI97 24° Casambi | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 3000K 1250Lm CRI97 60° No dim | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 3000K 1250Lm CRI97 60° Triac | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 3000K 1250Lm CRI97 60° Dali | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 3000K 1250Lm CRI97 60° Casambi | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 3000K 1250Lm CRI97 80° No dim | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 3000K 1250Lm CRI97 80° Triac | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 3000K 1250Lm CRI97 80° Dali | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 3000K 1250Lm CRI97 80° Casambi | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |

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

LINEA 75

LV 1800-3000K

Downlight incl. PSU



ITEM SPECIFICATIONS (PART A)

| Description | Item code CS | Item code WS | Extra | Input | W | Lm | Lm/W | CRI (typ.) |
|-------------------------------------------------|--------------|--------------|-----------|----------|------|------|------|------------|
| Linea 75 LV 1800-3000K 1250Lm CRI95 24° Triac | 915E03XX4A02 | 915E03XX9A02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 1800-3000K 1250Lm CRI95 24° Dali | 915E03XX4B02 | 915E03XX9B02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 1800-3000K 1250Lm CRI95 24° Casambi | 915E03XX4C02 | 915E03XX9C02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 1800-3000K 1250Lm CRI95 60° Triac | 915E03XX4D02 | 915E03XX9D02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 1800-3000K 1250Lm CRI95 60° Dali | 915E03XX4E02 | 915E03XX9E02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 1800-3000K 1250Lm CRI95 60° Casambi | 915E03XX4F02 | 915E03XX9F02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 1800-3000K 1250Lm CRI95 80° Triac | 915E03XX4G02 | 915E03XX9G02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 1800-3000K 1250Lm CRI95 80° Dali | 915E03XX4H02 | 915E03XX9H02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |
| Linea 75 LV 1800-3000K 1250Lm CRI95 80° Casambi | 915E03XX4J02 | 915E03XX9J02 | incl. PSU | 220-240V | 13,8 | 1250 | 91 | 97 |

ITEM SPECIFICATIONS (PART B)

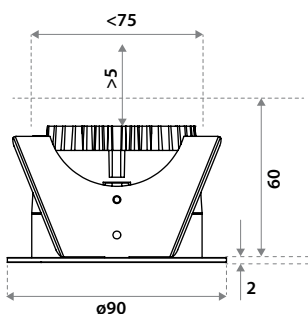
| Description | R9 | Rf | Rg | R15 | UGR | Pf | Ripple | Inrush | B16A |
|-------------------------------------------------|----|----|-----|-----|------|------|--------|---------|--------|
| Linea 75 LV 1800-3000K 1250Lm CRI95 24° Triac | 96 | 95 | 103 | 100 | 23.1 | 0.95 | <3% | 2A 50µS | 50 pcs |
| Linea 75 LV 1800-3000K 1250Lm CRI95 24° Dali | 96 | 95 | 103 | 100 | 23.1 | 0.92 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 1800-3000K 1250Lm CRI95 24° Casambi | 97 | 95 | 103 | 99 | 23.1 | 0.95 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 1800-3000K 1250Lm CRI95 60° Triac | 97 | 95 | 103 | 99 | 24.0 | 0.95 | <3% | 2A 50µS | 50 pcs |
| Linea 75 LV 1800-3000K 1250Lm CRI95 60° Dali | 97 | 95 | 103 | 99 | 24.0 | 0.92 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 1800-3000K 1250Lm CRI95 60° Casambi | 97 | 95 | 103 | 99 | 24.0 | 0.95 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 1800-3000K 1250Lm CRI95 80° Triac | 97 | 95 | 103 | 99 | 24.5 | 0.95 | <3% | 2A 50µS | 50 pcs |
| Linea 75 LV 1800-3000K 1250Lm CRI95 80° Dali | 97 | 95 | 103 | 99 | 24.5 | 0.92 | <3% | 5A 50µS | 50 pcs |
| Linea 75 LV 1800-3000K 1250Lm CRI95 80° Casambi | 97 | 95 | 103 | 99 | 24.5 | 0.95 | <3% | 5A 50µS | 50 pcs |

ITEM SPECIFICATIONS (PART C)

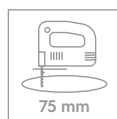
| Description | Safety class | Energy class | Weight | Dimensions single carton | Quantity per carton | Expected lifespan (25°C) | | |
|-------------------------------------------------|--------------|--------------|--------|--------------------------|---------------------|--------------------------|-------------|-------------|
| | | | | | | L70B50 | L80B50 | L90B50 |
| Linea 75 LV 1800-3000K 1250Lm CRI95 24° Triac | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 1800-3000K 1250Lm CRI95 24° Dali | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 1800-3000K 1250Lm CRI95 24° Casambi | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 1800-3000K 1250Lm CRI95 60° Triac | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 1800-3000K 1250Lm CRI95 60° Dali | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 1800-3000K 1250Lm CRI95 60° Casambi | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 1800-3000K 1250Lm CRI95 80° Triac | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 1800-3000K 1250Lm CRI95 80° Dali | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |
| Linea 75 LV 1800-3000K 1250Lm CRI95 80° Casambi | II | A | 440 gr | 160x107x100 mm | 18 pcs | >70.000 hrs | >70.000 hrs | >37.000 hrs |

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

DIMENSIONS

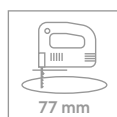


HOLE SIZE



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 files in combination with support plates (that cannot be taken out of the ceiling). WS springs are not suitable for concrete ceilings and soft ceiling files without support plates.

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_g = 92



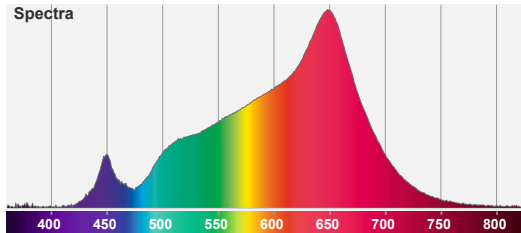
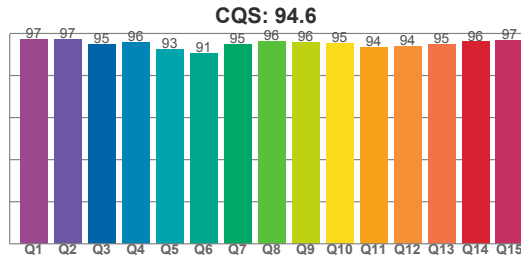
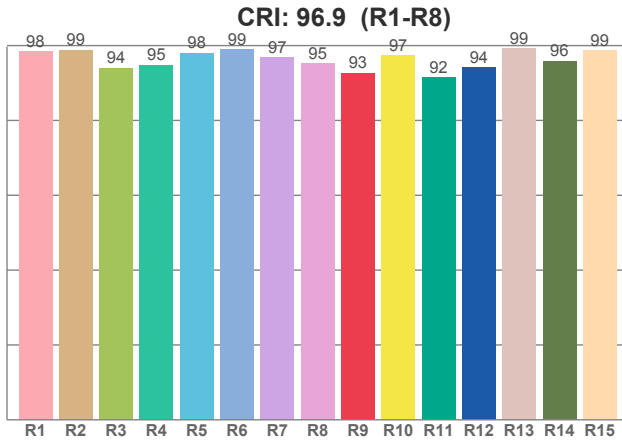
Red-Enhanced

CRI = 98 / R_g = 103

SPECIAL LEDS AVAILABLE

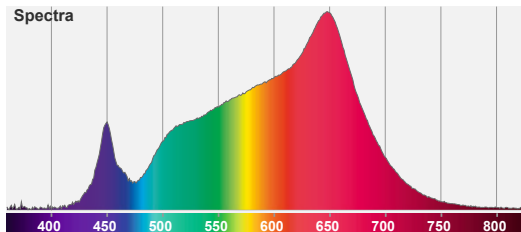
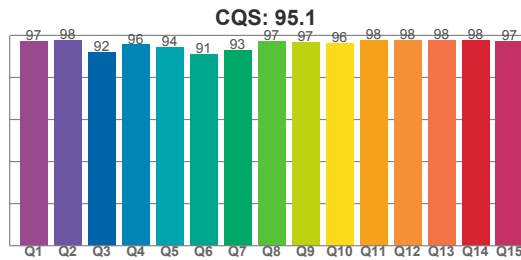
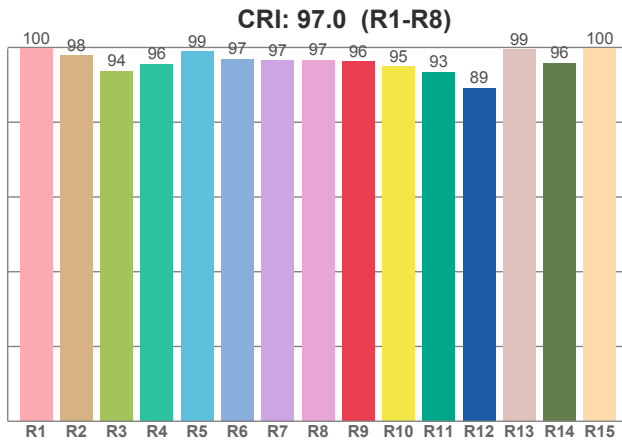
| 75/90 LV | CCT | CRI | R9 | Rf | Rg | R15 | TLCI | mA | Lm | W | Lm/W |
|------------------|-------|-----|----|----|-----|-----|------|--------|------|------|------|
| Standard CRI97 | 2700K | 97 | 93 | 96 | 103 | 99 | 97 | 350 mA | 1150 | 13,8 | 83 |
| Standard CRI97 | 3000K | 97 | 96 | 95 | 103 | 100 | 97 | 350 mA | 1250 | 13,8 | 91 |
| CRI80 | 2700K | 82 | 5 | 82 | 92 | 75 | 69 | 250 mA | 1000 | 9,8 | 102 |
| CRI80 | 2700K | 82 | 5 | 82 | 92 | 75 | 69 | 350 mA | 1350 | 13,8 | 98 |
| CRI80 | 3000K | 82 | 5 | 81 | 93 | 75 | 66 | 250 mA | 1100 | 9,8 | 112 |
| CRI80 | 3000K | 82 | 5 | 81 | 93 | 75 | 66 | 350 mA | 1400 | 13,8 | 101 |
| CRI80 | 4000K | 82 | 5 | 81 | 93 | 74 | 66 | 250 mA | 1150 | 9,8 | 117 |
| CRI80 | 4000K | 82 | 5 | 81 | 93 | 74 | 66 | 350 mA | 1500 | 13,8 | 109 |
| CrispWhite | 3000K | 90 | 61 | 87 | 102 | 89 | 83 | 350 mA | 780 | 13,8 | 57 |
| CrispColor | 2700K | 94 | 96 | 93 | 106 | 95 | 93 | 350 mA | 780 | 13,8 | 57 |
| CrispColor | 3000K | 91 | 93 | 91 | 103 | 96 | 96 | 350 mA | 825 | 13,8 | 60 |
| CrispColor | 3250K | 93 | 95 | 90 | 101 | 96 | 97 | 350 mA | 870 | 13,8 | 63 |
| CrispColor | 3500K | 95 | 96 | 91 | 102 | 95 | 96 | 350 mA | 880 | 13,8 | 64 |
| CrispColor | 4000K | 95 | 96 | 90 | 101 | 95 | 96 | 350 mA | 1050 | 13,8 | 76 |
| CrispColor | 5000K | 95 | 96 | 88 | 99 | 94 | 95 | 350 mA | 850 | 13,8 | 62 |
| AtmoSphere | 2200K | 92 | 55 | 90 | 99 | 87 | 88 | 350 mA | 780 | 13,8 | 57 |
| Bread & Pastries | 2700K | 92 | 54 | 89 | 96 | 86 | 91 | 350 mA | 770 | 13,8 | 56 |
| Produce | 3000K | 91 | 93 | 91 | 103 | 96 | 96 | 350 mA | 725 | 13,8 | 53 |
| Red Meat | 1800K | 82 | 81 | 77 | 119 | 95 | 60 | 350 mA | 515 | 13,8 | 37 |
| Marbled Meat | 3000K | 63 | 32 | 78 | 115 | 46 | 72 | 350 mA | 475 | 13,8 | 34 |
| Fish | 6500K | 96 | 96 | 89 | 98 | 94 | 96 | 350 mA | 825 | 13,8 | 60 |

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 |