

REWARDING BRIGHTNESS

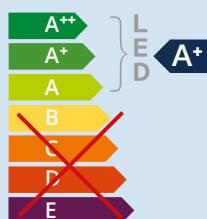


## Downlights

## Linea DS-A 195 MLMC

### Specifications

|                            |                                                     |
|----------------------------|-----------------------------------------------------|
| Colour(s)                  | Matt white RAL9016 (XX=MW) / Black RAL 9005 (XX=BL) |
| Beam angle (FWHM)          | 18° / 37° / 60°                                     |
| UGR (4H8H 70/50/20)        | <19 (18° + 37°)                                     |
| Fixture material           | Diecast aluminium / Metal                           |
| Environment                | Indoor                                              |
| IK rate                    | IK02                                                |
| Operating temperature (Ta) | -20°C / +45°C                                       |
| Safety marks               | EN60598 / EN62031 / EN 62471                        |
| EMC compliance             | EN55015                                             |
| Warranty                   | 7 Years                                             |


 This luminaire contains  
built-in LED lamps

 The lamps cannot be changed in  
the luminaire.


874/2012


**IP20**

For soft ceiling tiles,  
we recommend using  
a wooden plate on  
the reverse side of  
the tile.

## Item specifications

| Description                    | Item code    | Type      | Energy class | Safety class | Weight  | Dimensions single carton | Quantity per carton |
|--------------------------------|--------------|-----------|--------------|--------------|---------|--------------------------|---------------------|
| Linea DS-A 5700 Lm 4000K CRI80 | 130603XXYYE2 | Excl. PSU | A+           | III          | 1994 gr | 210x210x140 mm           | 6 pcs               |
| Linea DS-A 5000 Lm 3000K CRI80 | 130603XXYYE2 | Excl. PSU | A+           | III          | 1994 gr | 210x210x140 mm           | 6 pcs               |
| Linea DS-A 3750 Lm 3000K CRI96 | 130603XXYYE2 | Excl. PSU | A+           | III          | 1994 gr | 210x210x140 mm           | 6 pcs               |

## Lumen settings

### DS-A 5700 LM 4000 K CRI 80

| Item code       | mA   | V    | W    | Lm   | Lm/W | PF | CRI (typ.) | Expected lifespan (25°C) |            |            | UGR  |      |      |
|-----------------|------|------|------|------|------|----|------------|--------------------------|------------|------------|------|------|------|
|                 |      |      |      |      |      |    |            | L70B50                   | L80B50     | L90B50     | 18°  | 37°  | 60°  |
| Special request | 900  | 35,3 | 30,9 | 3850 | 125  | x  | 82         | 131.000 hrs              | 80.000 hrs | 35.000 hrs | 15.8 | 16.8 | 21.3 |
| Special request | 1050 | 35,8 | 36,3 | 4400 | 121  | x  | 82         | 129.000 hrs              | 78.000 hrs | 33.000 hrs | 16.3 | 17.3 | 21.7 |
| Special request | 1200 | 36,4 | 42,2 | 5000 | 118  | x  | 82         | 129.000 hrs              | 78.000 hrs | 33.000 hrs | 16.7 | 17.8 | 22.2 |
| 130603XXYYE2    | 1400 | 37,5 | 49,8 | 5700 | 114  | x  | 82         | 129.000 hrs              | 78.000 hrs | 33.000 hrs | 17.2 | 18.2 | 22.6 |

XX= Matt white (MW) / Black (BL),

YY= 18° (CU), 37° (CV), 60° (CW)

### DS-A 5000 LM 3000 K CRI 80

| Item code       | mA   | V    | W    | Lm   | Lm/W | PF | CRI (typ.) | Expected lifespan (25°C) |            |            | UGR  |      |      |
|-----------------|------|------|------|------|------|----|------------|--------------------------|------------|------------|------|------|------|
|                 |      |      |      |      |      |    |            | L70B50                   | L80B50     | L90B50     | 18°  | 37°  | 60°  |
| Special request | 900  | 35,3 | 30,9 | 3400 | 110  | x  | 82         | 131.000 hrs              | 80.000 hrs | 35.000 hrs | 15.4 | 16.4 | 20.8 |
| Special request | 1050 | 35,8 | 36,3 | 3750 | 103  | x  | 82         | 129.000 hrs              | 78.000 hrs | 33.000 hrs | 15.7 | 16.8 | 21.2 |
| Special request | 1200 | 36,4 | 42,2 | 4250 | 101  | x  | 82         | 129.000 hrs              | 78.000 hrs | 33.000 hrs | 16.1 | 17.2 | 21.6 |
| 130603XXYYE2    | 1400 | 37,5 | 49,8 | 5000 | 100  | x  | 82         | 129.000 hrs              | 78.000 hrs | 33.000 hrs | 17.7 | 17.8 | 22.2 |

XX= Matt white (MW) / Black (BL),

YY= 18° (CR), 37° (CS), 60° (CT)

### DS-A 3750 LM 3000 K CRI 96

| Item code       | mA   | V    | W    | Lm   | Lm/W | PF | CRI (typ.) | Expected lifespan (25°C) |            |            | UGR  |      |      |
|-----------------|------|------|------|------|------|----|------------|--------------------------|------------|------------|------|------|------|
|                 |      |      |      |      |      |    |            | L70B50                   | L80B50     | L90B50     | 18°  | 37°  | 60°  |
| Special request | 900  | 35,3 | 30,9 | 2600 | 84   | x  | 96         | 131.000 hrs              | 80.000 hrs | 35.000 hrs | 14.6 | 15.6 | 20.0 |
| Special request | 1050 | 35,8 | 36,3 | 2900 | 80   | x  | 96         | 129.000 hrs              | 78.000 hrs | 33.000 hrs | 14.9 | 16.0 | 20.4 |
| Special request | 1200 | 36,4 | 42,2 | 3250 | 77   | x  | 96         | 129.000 hrs              | 78.000 hrs | 33.000 hrs | 15.2 | 16.3 | 20.7 |
| 130603XXYYE2    | 1400 | 37,5 | 49,8 | 3750 | 75   | x  | 96         | 129.000 hrs              | 78.000 hrs | 33.000 hrs | 15.7 | 16.8 | 21.2 |

XX= Matt white (MW) / Black (BL),

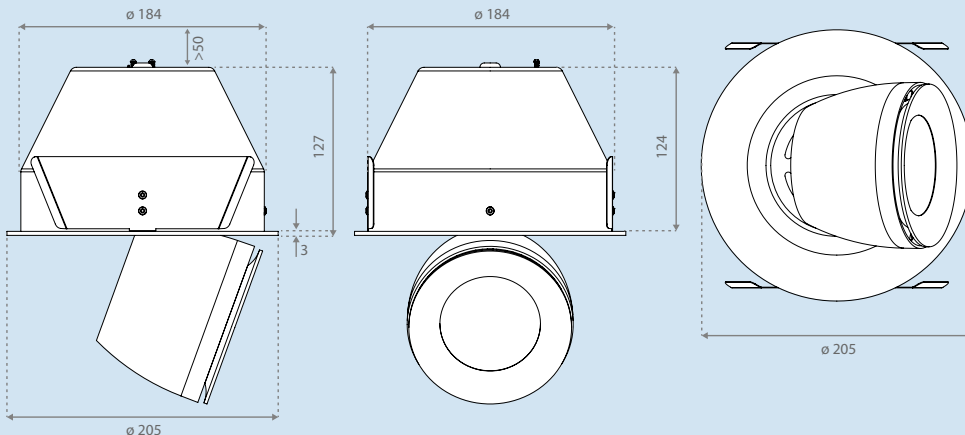
YY= 18° (FD), 37° (FE), 60° (FF)

## Choose your power supply - 36V

| Lamp current | Lamp Wattage | Lumen Output |             |             | Lumen / Watt |             |             | DALI Ripple < 3%  | 1-10V Ripple < 3% | NO DIM Ripple < 3% | NO DIM Ripple < 20% |
|--------------|--------------|--------------|-------------|-------------|--------------|-------------|-------------|-------------------|-------------------|--------------------|---------------------|
|              |              | CRI80 3000K  | CRI80 4000K | CRI96 3000K | CRI80 3000K  | CRI80 4000K | CRI96 3000K |                   |                   |                    |                     |
| 900 mA       | 30,9         | 3400         | 3850        | 2600        | 110          | 125         | 84          | 05CJ <sup>2</sup> | 05CT <sup>2</sup> | 05CY <sup>2</sup>  | 05CF <sup>2</sup>   |
| 1050 mA      | 36,3         | 3750         | 4400        | 2900        | 103          | 121         | 80          | 05CZ <sup>1</sup> | 05CT <sup>1</sup> | 05CY <sup>1</sup>  | 05CL <sup>1</sup>   |
| 1200 mA      | 42,2         | 4250         | 5000        | 3250        | 101          | 118         | 77          | 05CQ <sup>2</sup> | 05CQ <sup>2</sup> | 05CP <sup>2</sup>  | x                   |
| 1400 mA      | 49,8         | 5000         | 5700        | 3750        | 100          | 114         | 75          | 05CQ <sup>2</sup> | 05CQ <sup>2</sup> | 05CP <sup>2</sup>  | x                   |

<sup>1</sup> Standard setting. <sup>2</sup> Can be set during installation by adjusting DIP-switch settings.

## Dimensions



### Item specifications

| Description                    | Item code    | Type      | Energy class | Safety class | Weight  | Dimensions single carton | Quantity per carton |
|--------------------------------|--------------|-----------|--------------|--------------|---------|--------------------------|---------------------|
| Linea DS-A 3400 Lm 4000K CRI80 | 130603XXYYE2 | Excl. PSU | A+           | III          | 1994 gr | 210x210x140 mm           | 6 pcs               |
| Linea DS-A 3000 Lm 3000K CRI80 | 130603XXYYE2 | Excl. PSU | A+           | III          | 1994 gr | 210x210x140 mm           | 6 pcs               |
| Linea DS-A 2500 Lm 3000K CRI96 | 130603XXYYE2 | Excl. PSU | A+           | III          | 1994 gr | 210x210x140 mm           | 6 pcs               |

### Lumen settings

#### DS-A 3400 LM 4000 K CRI 80

| Item code       | mA  | V    | W    | Lm   | Lm/W | PF | CRI | Expected lifespan (25°C) |            |            | UGR  |      |      |
|-----------------|-----|------|------|------|------|----|-----|--------------------------|------------|------------|------|------|------|
|                 |     |      |      |      |      |    |     | L70B50                   | L80B50     | L90B50     | 18°  | 37°  | 60°  |
| Special request | 350 | 33,0 | 11,5 | 1650 | 143  | x  | 82  | 134.000 hrs              | 82.000 hrs | 37.000 hrs | 15,9 | 15,3 | 18,4 |
| Special request | 500 | 33,6 | 15,6 | 2200 | 141  | x  | 82  | 134.000 hrs              | 82.000 hrs | 37.000 hrs | 16,9 | 16,4 | 19,4 |
| Special request | 700 | 34,5 | 23,5 | 3150 | 134  | x  | 82  | 134.000 hrs              | 82.000 hrs | 37.000 hrs | 18,1 | 17,6 | 20,6 |
| 130603XXYYE2    | 800 | 35,3 | 27,9 | 3400 | 122  | x  | 82  | 131.000 hrs              | 80.000 hrs | 35.000 hrs | 18,1 | 17,6 | 20,9 |

XX= Matt white (MW) / Black (BL),

YY= 18° (CD), 37° (CE), 60° (CF)

#### DS-A 3000 LM 3000 K CRI 80

| Item code       | mA  | V    | W    | Lm   | Lm/W | PF | CRI | Expected lifespan (25°C) |            |            | UGR  |      |      |
|-----------------|-----|------|------|------|------|----|-----|--------------------------|------------|------------|------|------|------|
|                 |     |      |      |      |      |    |     | L70B50                   | L80B50     | L90B50     | 18°  | 37°  | 60°  |
| Special request | 350 | 33,0 | 11,5 | 1500 | 130  | x  | 82  | 134.000 hrs              | 82.000 hrs | 37.000 hrs | 15,7 | 15,0 | 18,0 |
| Special request | 500 | 33,6 | 15,6 | 2000 | 128  | x  | 82  | 134.000 hrs              | 82.000 hrs | 37.000 hrs | 16,5 | 16,0 | 19,0 |
| Special request | 700 | 34,5 | 23,5 | 2700 | 115  | x  | 82  | 134.000 hrs              | 82.000 hrs | 37.000 hrs | 17,6 | 17,1 | 20,1 |
| 130603XXYYE2    | 800 | 35,3 | 27,9 | 3000 | 108  | x  | 82  | 131.000 hrs              | 80.000 hrs | 35.000 hrs | 17,9 | 17,4 | 20,4 |

XX= Matt white (MW) / Black (BL),

YY= 18° (CA), 37° (CB), 60° (CC)

#### DS-A 2500 LM 3000 K CRI 96

| Item code       | mA  | V    | W    | Lm   | Lm/W | PF | CRI | Expected lifespan (25°C) |            |            | UGR  |      |      |
|-----------------|-----|------|------|------|------|----|-----|--------------------------|------------|------------|------|------|------|
|                 |     |      |      |      |      |    |     | L70B50                   | L80B50     | L90B50     | 18°  | 37°  | 60°  |
| Special request | 350 | 33,0 | 11,5 | 1100 | 96   | x  | 96  | 134.000 hrs              | 82.000 hrs | 37.000 hrs | 14,5 | 14   | 17,1 |
| Special request | 500 | 33,6 | 15,6 | 1450 | 93   | x  | 96  | 134.000 hrs              | 82.000 hrs | 37.000 hrs | 15,4 | 14,9 | 17,9 |
| Special request | 700 | 34,5 | 23,5 | 2150 | 91   | x  | 96  | 134.000 hrs              | 82.000 hrs | 37.000 hrs | 16,8 | 16,3 | 19,3 |
| 130603XXYYE2    | 800 | 35,3 | 27,9 | 2500 | 90   | x  | 96  | 131.000 hrs              | 80.000 hrs | 35.000 hrs | 17,3 | 16,8 | 19,8 |

XX= Matt white (MW) / Black (BL),

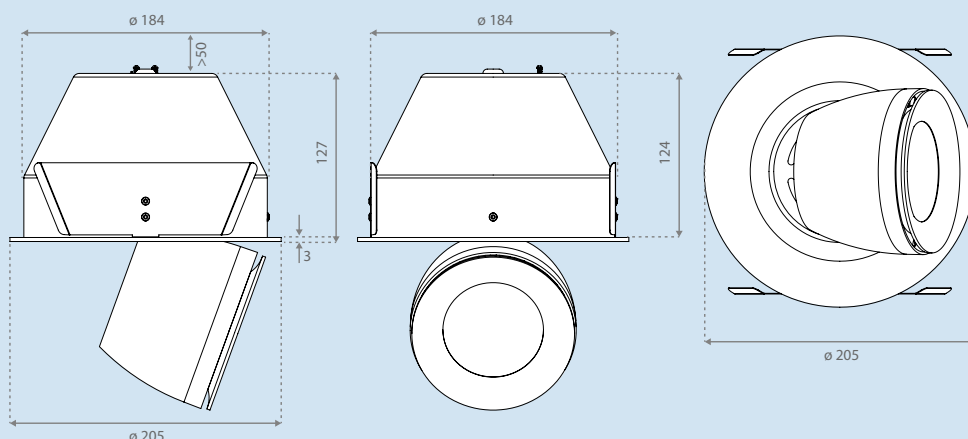
YY= 18° (CG), 37° (CH), 60° (CJ)

### Choose your power supply - 36V

| Lamp current | Lamp Wattage | Lumen Output |             |             | Lumen / Watt |             |             | DALI Ripple < 3%  | 1-10V Ripple < 3% | NO DIM Ripple < 3% | NO DIM Ripple < 20% |
|--------------|--------------|--------------|-------------|-------------|--------------|-------------|-------------|-------------------|-------------------|--------------------|---------------------|
|              |              | CRI80 3000K  | CRI80 4000K | CRI96 3000K | CRI80 3000K  | CRI80 4000K | CRI96 3000K |                   |                   |                    |                     |
| 350 mA       | 11,5         | 1500         | 1650        | 1100        | 130          | 143         | 96          | 05CJ <sup>2</sup> | 05CT <sup>2</sup> | 05CW <sup>2</sup>  | 05CV <sup>2</sup>   |
| 500 mA       | 15,6         | 2000         | 2200        | 1450        | 128          | 141         | 93          | 05CJ <sup>2</sup> | 05CT <sup>2</sup> | 05CW <sup>2</sup>  | 05CV <sup>2</sup>   |
| 700 mA       | 23,5         | 2700         | 3150        | 2150        | 115          | 134         | 91          | 05CJ <sup>1</sup> | 05CT <sup>2</sup> | 05BZ <sup>1</sup>  | 05CV <sup>1</sup>   |
| 800 mA       | 27,9         | 3000         | 3400        | 2500        | 108          | 122         | 90          | 05CJ <sup>2</sup> | 05CT <sup>2</sup> | 05CY <sup>2</sup>  | 05CF <sup>2</sup>   |

<sup>1</sup> Standard setting. <sup>2</sup> Can be set during installation by adjusting DIP-switch settings.

### Dimensions



REWARDING BRIGHTNESS

### Extra option

#### LEDs from the LUXEON Stylist Series

Specially developed for shops specialised in fashion or fresh food, and for restaurants. See page 24 for more information or ask our sales department about the possibilities.

