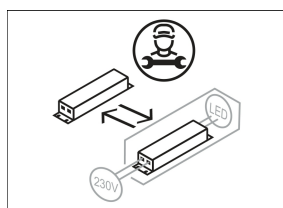
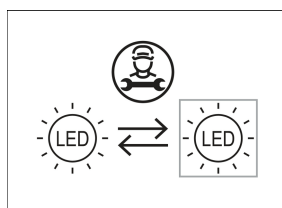


# DAL-L-LK 102.830.50/DALI



| Colours | Article no. | EAN           |
|---------|-------------|---------------|
| silver  | 660974      | 4043544697912 |



## Description

- light-head rotates through 355° and swivels through 30° by adjusting screw
- individual optics by standard recessed frame or trimless recessed frame and various front reflectors
- outstanding ease of maintenance
- no UV and thermal emissions
- securing with safety rope
- thermal management with passive cooling
- light-head and heat sink made from die-cast
- main reflector made from plastic
- black anti-glare ring made from polycarbonate for accommodating honeycomb louvre
- diffuser glass pane
- light-head snaps into mounting frame without tools
- connection to ballast via luminaire cable with Mini-Clamp connector
- ballast (LED converter DALI, dimmable) included (external placement)

## Standard options



## Special options



## Lighting data / Norms

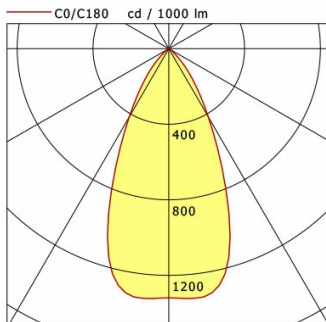
|                                |                            |
|--------------------------------|----------------------------|
| <b>Lamps</b>                   | LED Spot / CRI 80 / 3000 K |
| <b>EPREL light sources</b>     | 851239                     |
|                                | L90 B50 50.000 h           |
|                                | L80 B50 100.000 h          |
|                                | L80 B20 50.000 h           |
| <b>Lifetime</b>                |                            |
| <b>System power</b>            | 43.0 W                     |
| <b>Luminaire luminous flux</b> | max. 3300 lm               |
| <b>System efficiency</b>       | 64.18 lm/W                 |
| <b>Module efficiency</b>       | 158.91 lm/W                |
| <b>UGR class</b>               | ≤22                        |
| <b>Beam angle</b>              | 50°                        |
| <b>Supply voltage</b>          | 220 - 240 V / 50 - 60 Hz   |
| <b>Protection class</b>        | III                        |
| <b>Type of protection</b>      | IP20                       |

## Dimensions / Weights

|                               |         |
|-------------------------------|---------|
| <b>Outer diameter</b>         | 124 mm  |
| <b>Height</b>                 | 149 mm  |
| <b>Recessed depth</b>         | 200 mm  |
| <b>Diameter of light head</b> | 124 mm  |
| <b>Net weight</b>             | 1.35 kg |
| <b>Gross weight</b>           | 1.42 kg |

# DAL-L-LK 102.830.50/DALI

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_CH-SW, 1xLED 43W 830/3000K 2760lm 50 °)



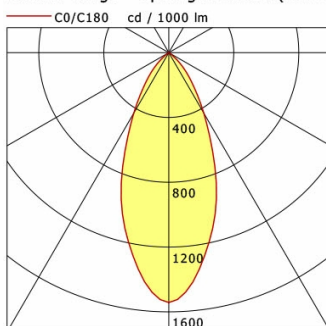
|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 1319 | 1319 | 1319 | 1319 |
| 15° | 1193 | 1193 | 1193 | 1193 |
| 30° | 417  | 417  | 417  | 417  |
| 45° | 85   | 85   | 85   | 85   |
| 60° | 8    | 8    | 8    | 8    |
| 75° | 0    | 0    | 0    | 0    |
| 90° | 0    | 0    | 0    | 0    |

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 2.74           | 404.5            |
| 6.0        | 5.47           | 101.1            |
| 9.0        | 8.21           | 44.9             |
| 12.0       | 10.95          | 25.3             |
| 15.0       | 13.68          | 16.2             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 64 lm/W            |
| Direct/Indirect    | ↓ 100% / ↑ 0%      |
| System Power       | 43 W               |
| <b>UGR</b>         | X=4H, Y=8H         |
| Reflection factors | 70/50/20           |
| UGR C0/C180        | 16.1               |
| UGR C90/C270       | 16.1               |
| CIE Flux Codes     | 93 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_CH, 1xLED 43W 830/3000K 3270lm 50 °)



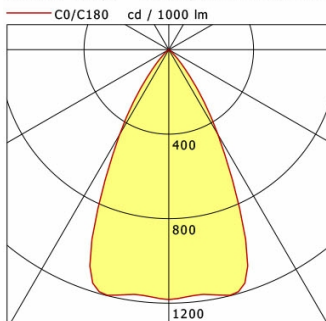
|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 1543 | 1543 | 1543 | 1543 |
| 15° | 1077 | 1077 | 1077 | 1077 |
| 30° | 431  | 431  | 431  | 431  |
| 45° | 114  | 114  | 114  | 114  |
| 60° | 0    | 0    | 0    | 0    |
| 75° | 0    | 0    | 0    | 0    |
| 90° | 0    | 0    | 0    | 0    |

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 2.39           | 560.4            |
| 6.0        | 4.78           | 140.1            |
| 9.0        | 7.17           | 62.3             |
| 12.0       | 9.56           | 35.0             |
| 15.0       | 11.95          | 22.4             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 76 lm/W            |
| Direct/Indirect    | ↓ 100% / ↑ 0%      |
| System Power       | 43 W               |
| <b>UGR</b>         | X=4H, Y=8H         |
| Reflection factors | 70/50/20           |
| UGR C0/C180        | 18.9               |
| UGR C90/C270       | 18.9               |
| CIE Flux Codes     | 92 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

Dallton Large - Spotlight Insert (DAL-L-RFQ 13, 1xLED 43W 830/3000K 3160lm 50 °)



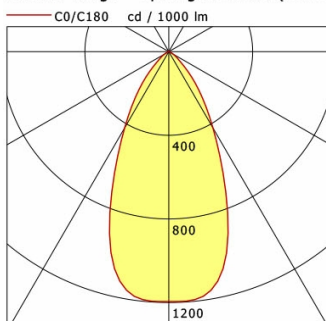
|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 1183 | 1183 | 1183 | 1183 |
| 15° | 1198 | 1198 | 1198 | 1198 |
| 30° | 464  | 464  | 464  | 464  |
| 45° | 47   | 47   | 47   | 47   |
| 60° | 2    | 2    | 2    | 2    |
| 75° | 1    | 1    | 1    | 1    |
| 90° | 0    | 0    | 0    | 0    |

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 3.11           | 415.3            |
| 6.0        | 6.22           | 103.8            |
| 9.0        | 9.32           | 46.1             |
| 12.0       | 12.43          | 26.0             |
| 15.0       | 15.54          | 16.6             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 74 lm/W            |
| Direct/Indirect    | ↓ 100% / ↑ 0%      |
| System Power       | 43 W               |
| <b>UGR</b>         | X=4H, Y=8H         |
| Reflection factors | 70/50/20           |
| UGR C0/C180        | 15.5               |
| UGR C90/C270       | 15.5               |
| CIE Flux Codes     | 96 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_SI-MATT, 1xLED 43W 830/3000K 2930lm 50 °)



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 1195 | 1195 | 1195 | 1195 |
| 15° | 1037 | 1037 | 1037 | 1037 |
| 30° | 421  | 421  | 421  | 421  |
| 45° | 116  | 116  | 116  | 116  |
| 60° | 24   | 24   | 24   | 24   |
| 75° | 1    | 1    | 1    | 1    |
| 90° | 0    | 0    | 0    | 0    |

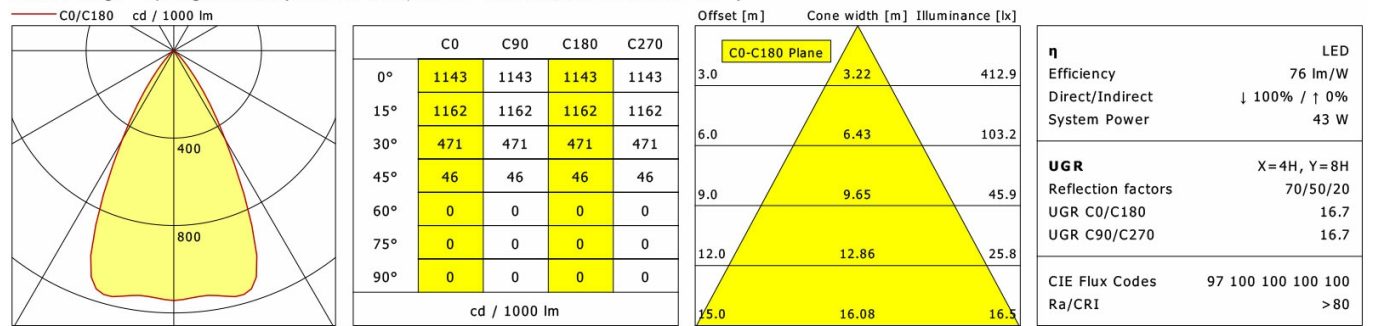
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 2.79           | 389.0            |
| 6.0        | 5.58           | 97.2             |
| 9.0        | 8.37           | 43.2             |
| 12.0       | 11.16          | 24.3             |
| 15.0       | 13.95          | 15.6             |

|                    |                   |
|--------------------|-------------------|
| <b>η</b>           | LED               |
| Efficiency         | 68 lm/W           |
| Direct/Indirect    | ↓ 100% / ↑ 0%     |
| System Power       | 43 W              |
| <b>UGR</b>         | X=4H, Y=8H        |
| Reflection factors | 70/50/20          |
| UGR C0/C180        | 18.4              |
| UGR C90/C270       | 18.4              |
| CIE Flux Codes     | 87 99 100 100 100 |
| Ra/CRI             | >80               |

LTS

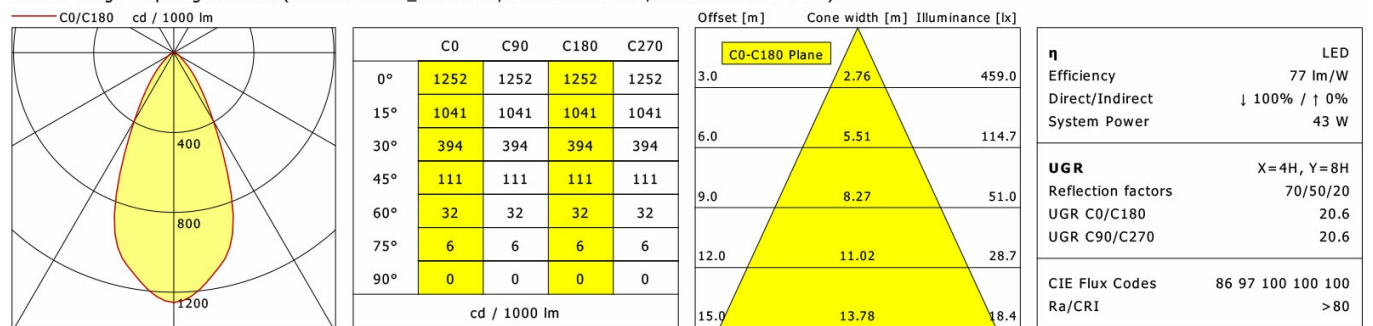
# DAL-L-LK 102.830.50/DALI

Dallton Large - Spotlight Insert (DAL-L-RFR 23, 1xLED 43W 830/3000K 3250lm 50 °)



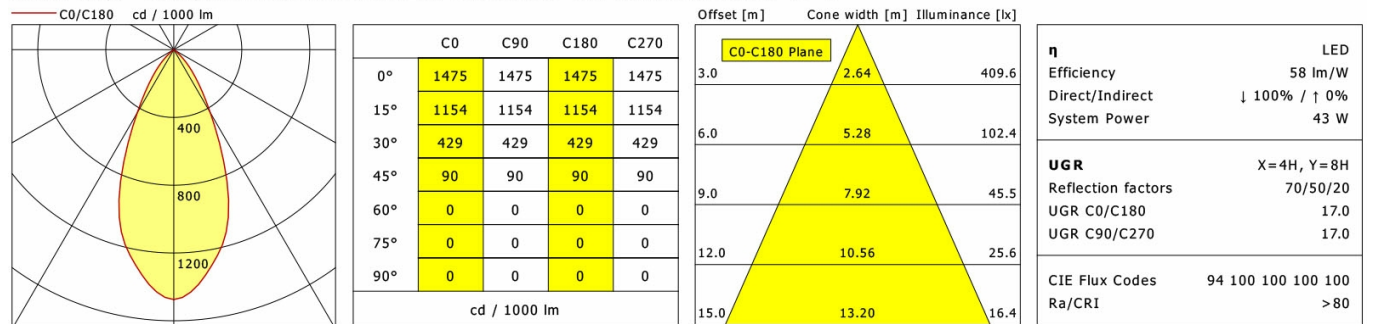
LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_WS-MATT, 1xLED 43W 830/3000K 3300lm 50 °)



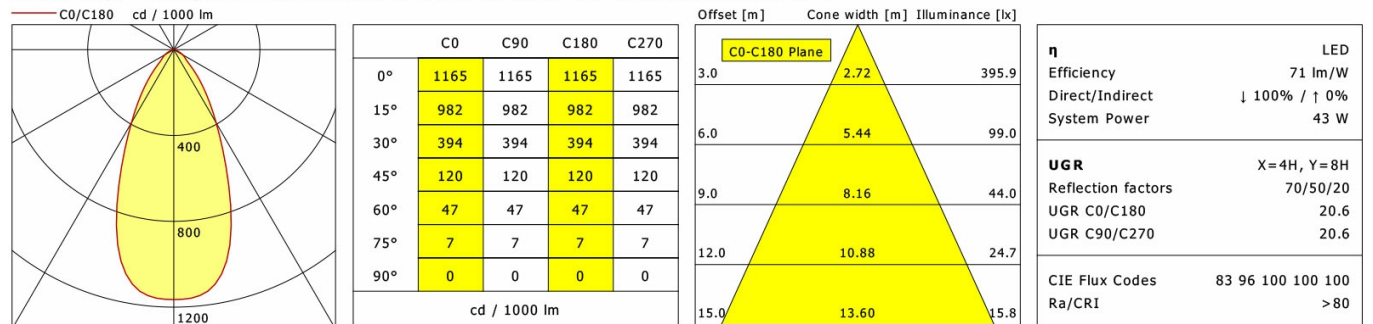
LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_SW-MATT, 1xLED 43W 830/3000K 2500lm 50 °)



LTS

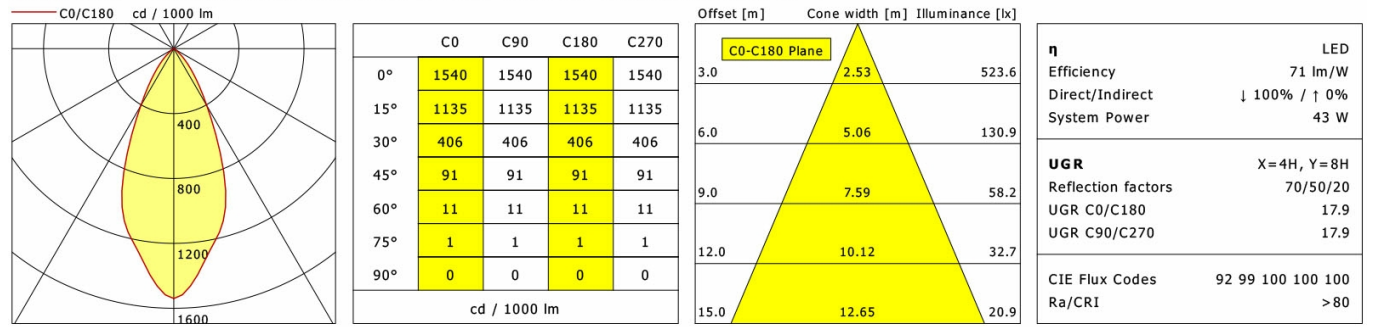
Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_WS-MATT, 1xLED 43W 830/3000K 3060lm 50 °)



LTS

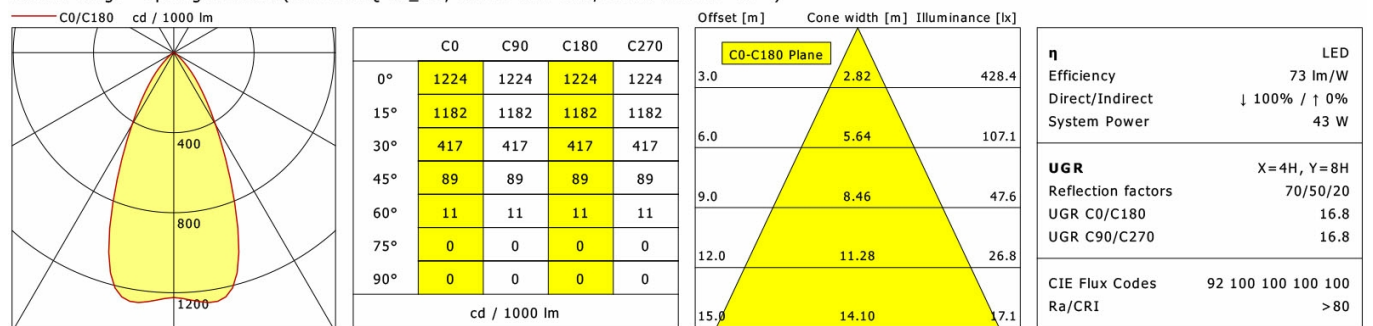
# DAL-L-LK 102.830.50/DALI

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_SI-MATT, 1xLED 43W 830/3000K 3060lm 50 °)



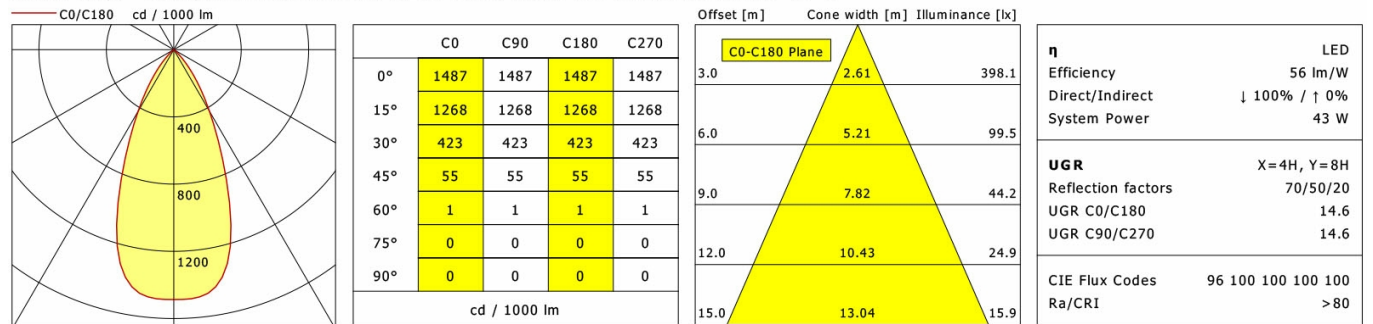
LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_CH, 1xLED 43W 830/3000K 3150lm 50 °)



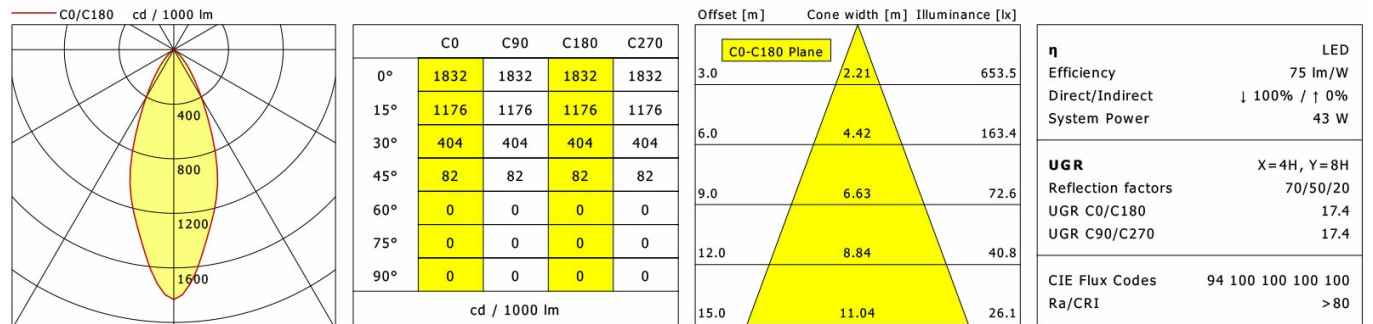
LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_SW-MATT, 1xLED 43W 830/3000K 2410lm 50 °)



LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_CH-SW, 1xLED 43W 830/3000K 3210lm 50 °)



LTS

Recessed Spotlights · Dallton Large System



# DAL-L-LK 102.830.50/DALI

## Accessories



**DAL-L-ZBW 13.23**  
honeycomb louvre



**ZB-OR DONGLE**  
Organic Response IR dongle kit



**ZB-OR GATEWAY**  
Organic Response IoT Gateway Cascade Series



**ZB-OR-R SENSOR**  
Organic Response sensor for recessed mounting