

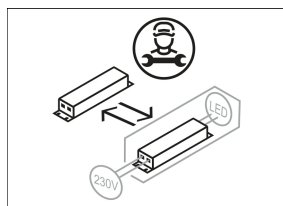
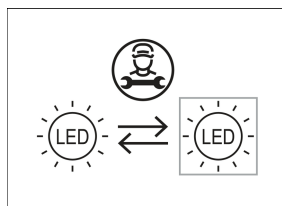
# DAL-L-LK 102.840.50/DALI



## Beschreibung

- Lichtkopf 355° drehbar und 30° schwenkbar über Einstellschraube
- individuelle Optik durch Standard-Einbaurahmen oder deckenbündigen Trimless-Einbaurahmen sowie verschiedene Frontreflektoren
- hohe Wartungsfreundlichkeit
- keine UV- und Wärmestrahlung
- Sicherung mit Fangseil
- Wärmemanagement mit Passivkühlung
- Lichtkopf und Kühlkörper aus Druckguss
- Hauptreflektor aus Kunststoff
- schwarzer Entblendungsring aus Polycarbonat für Aufnahme von Wabenraster
- Diffusorscheibe aus Glas
- werkzeugloses Einrasten des Lichtkopfes in Einbaurahmen
- Anschluss an Betriebsgerät über Leuchtenkabel mit Mini-Clamp Steckverbindung
- Betriebsgerät (LED-Konverter DALI, dimmbar) inklusive (Platzierung extern)

| Farbe  | Artikelnummer | EAN           |
|--------|---------------|---------------|
| silber | 660980        | 4043544697974 |



## Standardoptionen



## Sonderoptionen



## Lichttechnik / Normen

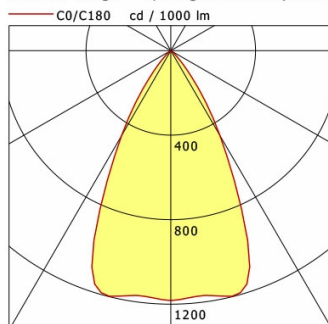
|                     |                                                           |
|---------------------|-----------------------------------------------------------|
| Leuchtmittel        | LED Spot / CRI 80 / 4000 K                                |
| EPREL Lichtquellen  | 851282                                                    |
| Lebensdauer         | L90 B50 50.000 h<br>L80 B50 100.000 h<br>L80 B20 50.000 h |
| Systemleistung      | 43.0 W                                                    |
| Leuchten-Lichtstrom | max. 3460 lm                                              |
| Systemeffizienz     | 76.97 lm/W                                                |
| Moduleffizienz      | 162.17 lm/W                                               |
| UGR Klasse          | ≤22                                                       |
| Abstrahlwinkel      | 50°                                                       |
| Versorgungsspannung | 220 - 240 V / 50 - 60 Hz                                  |
| Schutzklasse        | III                                                       |
| Schutzart           | IP20                                                      |

## Abmessungen / Gewichte

|                       |         |
|-----------------------|---------|
| Außendurchmesser      | 124 mm  |
| Höhe                  | 149 mm  |
| Einbautiefe           | 200 mm  |
| Durchmesser Lichtkopf | 124 mm  |
| Nettogewicht          | 1.35 kg |
| Bruttogewicht         | 1.42 kg |

# DAL-L-LK 102.840.50/DALI

Dallton Large - Spotlight Insert (DAL-L-RFQ 13, 1xLED 43W 840/4000K 3310lm 50 °)



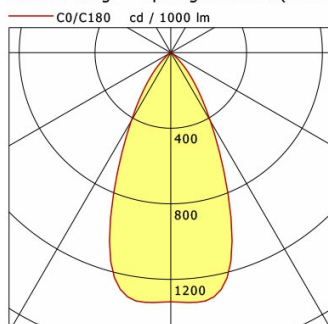
|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 1183 | 1183 | 1183 | 1183 |
| 15° | 1198 | 1198 | 1198 | 1198 |
| 30° | 464  | 464  | 464  | 464  |
| 45° | 47   | 47   | 47   | 47   |
| 60° | 2    | 2    | 2    | 2    |
| 75° | 1    | 1    | 1    | 1    |
| 90° | 0   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

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 3.11           | 435.0            |
| 6.0        | 6.22           | 108.8            |
| 9.0        | 9.32           | 48.3             |
| 12.0       | 12.43          | 27.2             |
| 15.0       | 15.54          | 17.4             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 77 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        | 15.6               |
| UGR C90/C270       | 15.6               |
| CIE Flux Codes     | 96 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_CH-SW, 1xLED 43W 840/4000K 2890lm 50 °)



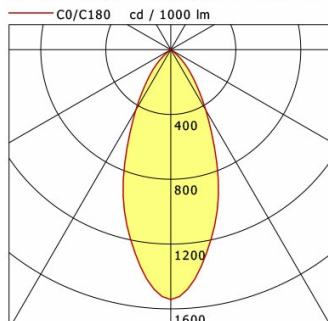
|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 1319 | 1319 | 1319 | 1319 |
| 15° | 1193 | 1193 | 1193 | 1193 |
| 30° | 417  | 417  | 417  | 417  |
| 45° | 85   | 85   | 85   | 85   |
| 60° | 8    | 8    | 8    | 8    |
| 75° | 0    | 0    | 0    | 0    |
| 90° | 0   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

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 2.74           | 423.6            |
| 6.0        | 5.47           | 105.9            |
| 9.0        | 8.21           | 47.1             |
| 12.0       | 10.95          | 26.5             |
| 15.0       | 13.68          | 16.9             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 67 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        | 16.3               |
| UGR C90/C270       | 16.3               |
| CIE Flux Codes     | 93 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_CH, 1xLED 43W 840/4000K 3430lm 50 °)



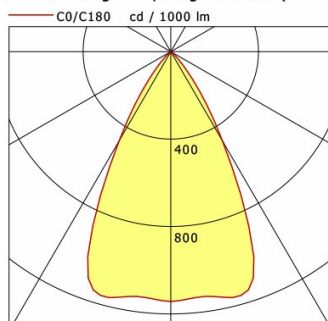
|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 1543 | 1543 | 1543 | 1543 |
| 15° | 1077 | 1077 | 1077 | 1077 |
| 30° | 431  | 431  | 431  | 431  |
| 45° | 114  | 114  | 114  | 114  |
| 60° | 0    | 0    | 0    | 0    |
| 75° | 0    | 0    | 0    | 0    |
| 90° | 0   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

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 2.39           | 587.9            |
| 6.0        | 4.78           | 147.0            |
| 9.0        | 7.17           | 65.3             |
| 12.0       | 9.56           | 36.7             |
| 15.0       | 11.95          | 23.5             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 80 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        | 19.1               |
| UGR C90/C270       | 19.1               |
| CIE Flux Codes     | 92 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

Dallton Large - Spotlight Insert (DAL-L-RFR 23, 1xLED 43W 840/4000K 3410lm 50 °)



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 1143 | 1143 | 1143 | 1143 |
| 15° | 1162 | 1162 | 1162 | 1162 |
| 30° | 471  | 471  | 471  | 471  |
| 45° | 46   | 46   | 46   | 46   |
| 60° | 0    | 0    | 0    | 0    |
| 75° | 0    | 0    | 0    | 0    |
| 90° | 0    | 0    | 0    | 0    |

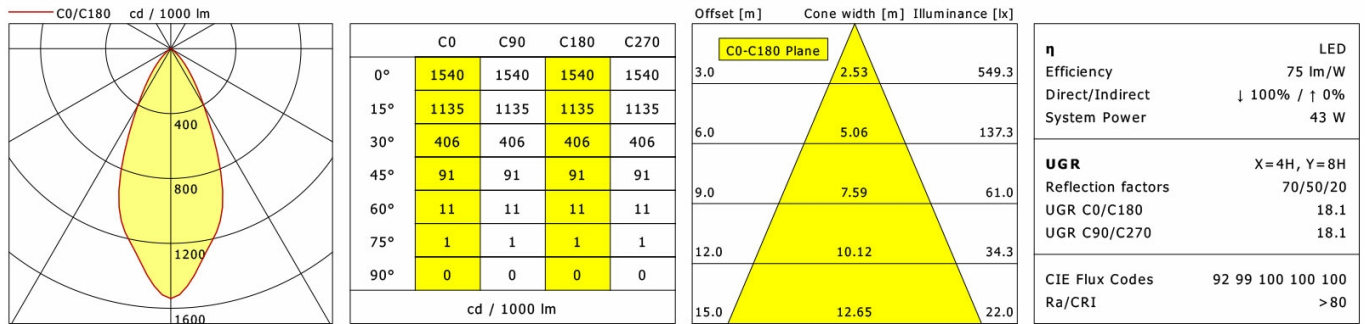
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 3.22           | 433.2            |
| 6.0        | 6.43           | 108.3            |
| 9.0        | 9.65           | 48.1             |
| 12.0       | 12.86          | 27.1             |
| 15.0       | 16.08          | 17.3             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 79 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        | 16.9               |
| UGR C90/C270       | 16.9               |
| CIE Flux Codes     | 97 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

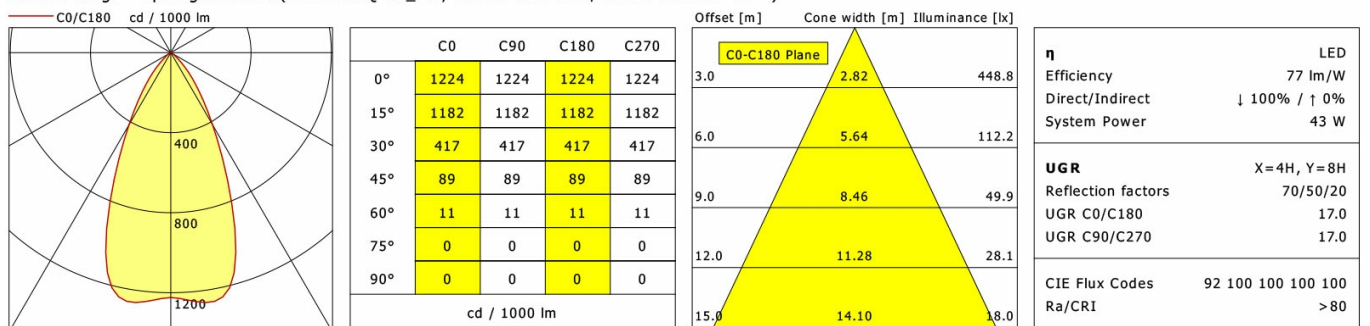
# DAL-L-LK 102.840.50/DALI

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_SI-MATT, 1xLED 43W 840/4000K 3210lm 50 °)



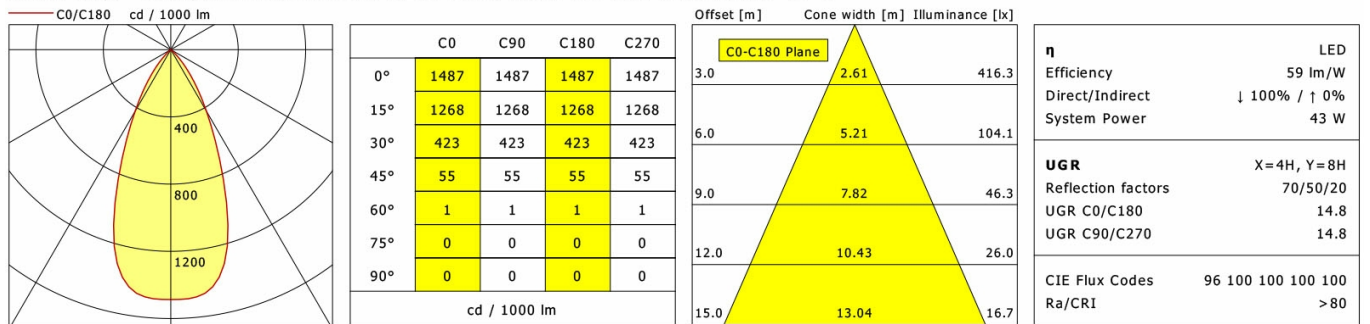
LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_CH, 1xLED 43W 840/4000K 3300lm 50 °)



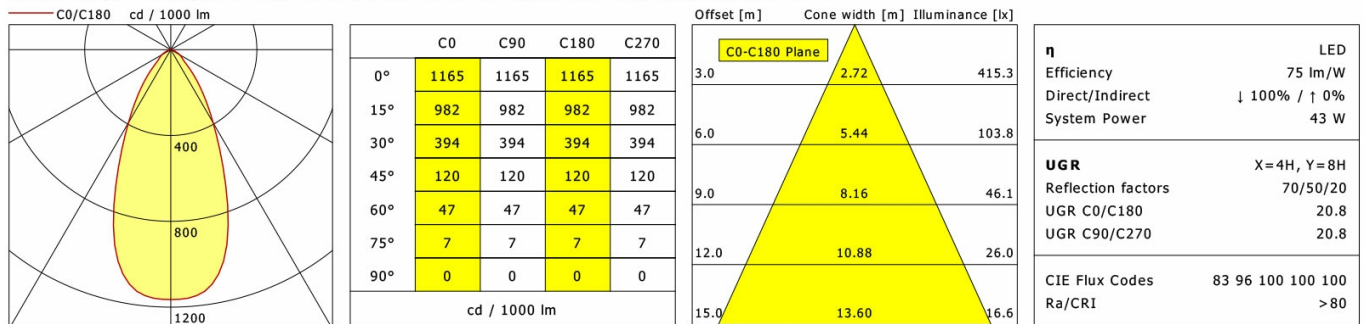
LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_SW-MATT, 1xLED 43W 840/4000K 2520lm 50 °)



LTS

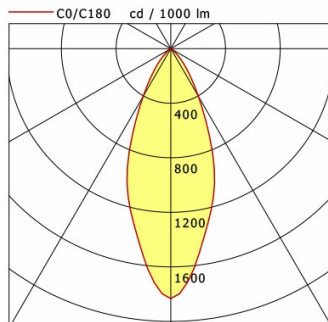
Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_WS-MATT, 1xLED 43W 840/4000K 3210lm 50 °)



LTS

# DAL-L-LK 102.840.50/DALI

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_CH-SW, 1xLED 43W 840/4000K 3360lm 50 °)



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 1832 | 1832 | 1832 | 1832 |
| 15° | 1176 | 1176 | 1176 | 1176 |
| 30° | 404  | 404  | 404  | 404  |
| 45° | 82   | 82   | 82   | 82   |
| 60° | 0    | 0    | 0    | 0    |
| 75° | 0    | 0    | 0    | 0    |
| 90° | 0    | 0    | 0    | 0    |

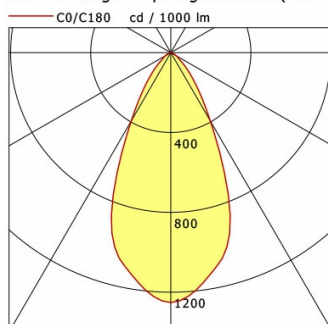
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 2.21           | 684.0            |
| 6.0        | 4.42           | 171.0            |
| 9.0        | 6.63           | 76.0             |
| 12.0       | 8.84           | 42.8             |
| 15.0       | 11.04          | 27.4             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 78 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        | 17.6               |
| UGR C90/C270       | 17.6               |
| CIE Flux Codes     | 94 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_WS-MATT, 1xLED 43W 840/4000K 3460lm 50 °)



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 1252 | 1252 | 1252 | 1252 |
| 15° | 1041 | 1041 | 1041 | 1041 |
| 30° | 394  | 394  | 394  | 394  |
| 45° | 111  | 111  | 111  | 111  |
| 60° | 32   | 32   | 32   | 32   |
| 75° | 6    | 6    | 6    | 6    |
| 90° | 0    | 0    | 0    | 0    |

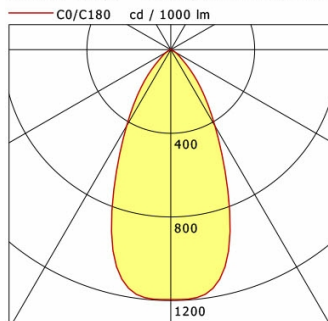
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 2.76           | 481.2            |
| 6.0        | 5.51           | 120.3            |
| 9.0        | 8.27           | 53.5             |
| 12.0       | 11.02          | 30.1             |
| 15.0       | 13.78          | 19.2             |

|                    |                   |
|--------------------|-------------------|
| <b>η</b>           | LED               |
| Efficiency         | 81 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        | 20.8              |
| UGR C90/C270       | 20.8              |
| CIE Flux Codes     | 86 97 100 100 100 |
| Ra/CRI             | >80               |

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_SI-MATT, 1xLED 43W 840/4000K 3070lm 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    |

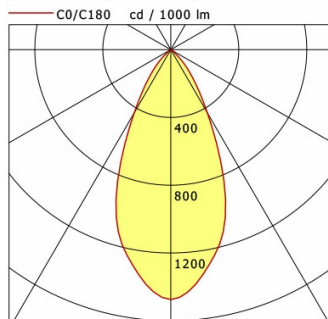
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 2.79           | 407.6            |
| 6.0        | 5.58           | 101.9            |
| 9.0        | 8.37           | 45.3             |
| 12.0       | 11.16          | 25.5             |
| 15.0       | 13.95          | 16.3             |

|                    |                   |
|--------------------|-------------------|
| <b>η</b>           | LED               |
| Efficiency         | 71 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        | 18.6              |
| UGR C90/C270       | 18.6              |
| CIE Flux Codes     | 87 99 100 100 100 |
| Ra/CRI             | >80               |

LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_SW-MATT, 1xLED 43W 840/4000K 2620lm 50 °)



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 1475 | 1475 | 1475 | 1475 |
| 15° | 1154 | 1154 | 1154 | 1154 |
| 30° | 429  | 429  | 429  | 429  |
| 45° | 90   | 90   | 90   | 90   |
| 60° | 0    | 0    | 0    | 0    |
| 75° | 0    | 0    | 0    | 0    |
| 90° | 0    | 0    | 0    | 0    |

cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 2.64           | 429.3            |
| 6.0        | 5.28           | 107.3            |
| 9.0        | 7.92           | 47.7             |
| 12.0       | 10.56          | 26.8             |
| 15.0       | 13.20          | 17.2             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 61 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        | 17.2               |
| UGR C90/C270       | 17.2               |
| CIE Flux Codes     | 94 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

Einbaustrahler · Dallton Large System



# DAL-L-LK 102.840.50/DALI

## Zubehör



**DAL-L-ZBW 13.23**  
Wabenraster



**ZB-OR DONGLE**  
Organic Response IR-Dongle-Set



**ZB-OR GATEWAY**  
Organic Response IoT-Gateway Kaskadenserie



**ZB-OR-R SENSOR**  
Organic Response Sensor für Einbaumontage