

# DAL-L-LK 101.840.20/DALI



| Farbe  | Artikelnummer | EAN           |
|--------|---------------|---------------|
| silber | 660958        | 4043544697752 |



## 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)

## 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      | 28.0 W                                                    |
| Leuchten-Lichtstrom | max. 2460 lm                                              |
| Systemeffizienz     | 70.00 lm/W                                                |
| Moduleffizienz      | 162.17 lm/W                                               |
| UGR Klasse          | ≤16                                                       |
| Abstrahlwinkel      | 20°                                                       |
| Versorgungsspannung | 220 - 240 V / 50 - 60 Hz                                  |
| Schutzklasse        | III                                                       |
| Schutzart           | IP20                                                      |

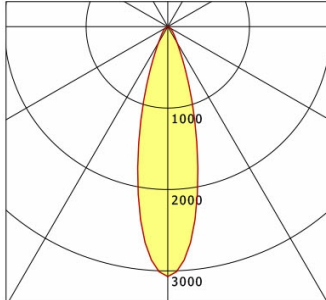
## Abmessungen / Gewichte

|                       |         |
|-----------------------|---------|
| Außendurchmesser      | 124 mm  |
| Höhe                  | 149 mm  |
| Einbautiefe           | 200 mm  |
| Durchmesser Lichtkopf | 124 mm  |
| Nettogewicht          | 1.31 kg |
| Bruttogewicht         | 1.38 kg |

# DAL-L-LK 101.840.20/DALI

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_SI-MATT, 1xLED 28W 840/4000K 1960lm 20 °)

C0/C180 cd / 1000 lm



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 3069 | 3069 | 3069 | 3069 |
| 15° | 1329 | 1329 | 1329 | 1329 |
| 30° | 226  | 226  | 226  | 226  |
| 45° | 79   | 79   | 79   | 79   |
| 60° | 20   | 20   | 20   | 20   |
| 75° | 1    | 1    | 1    | 1    |
| 90° | 0    | 0    | 0    | 0    |

cd / 1000 lm

Offset [m] Cone width [m] Illuminance [lx]

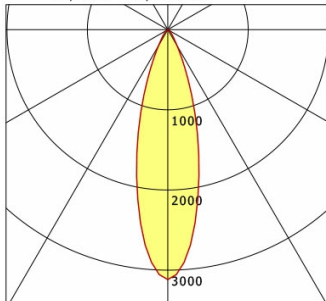
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 1.45           | 668.3            |
| 6.0        | 2.90           | 167.1            |
| 9.0        | 4.36           | 74.3             |
| 12.0       | 5.81           | 41.8             |
| 15.0       | 7.26           | 26.7             |

|                    |                   |
|--------------------|-------------------|
| <b>η</b>           | LED               |
| Efficiency         | 70 lm/W           |
| Direct/Indirect    | ↓ 100% / ↑ 0%     |
| System Power       | 28 W              |
| <b>UGR</b>         | X=4H, Y=8H        |
| Reflection factors | 70/50/20          |
| UGR C0/C180        | 14.4              |
| UGR C90/C270       | 14.4              |
| CIE Flux Codes     | 90 99 100 100 100 |
| Ra/CRI             | >80               |

LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_CH, 1xLED 28W 840/4000K 2440lm 20 °)

C0/C180 cd / 1000 lm



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 3117 | 3117 | 3117 | 3117 |
| 15° | 1459 | 1459 | 1459 | 1459 |
| 30° | 229  | 229  | 229  | 229  |
| 45° | 56   | 56   | 56   | 56   |
| 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]

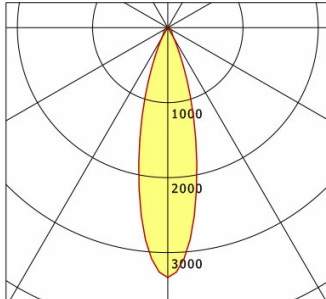
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 1.53           | 845.0            |
| 6.0        | 3.05           | 211.2            |
| 9.0        | 4.58           | 93.9             |
| 12.0       | 6.10           | 52.8             |
| 15.0       | 7.63           | 33.8             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 87 lm/W            |
| Direct/Indirect    | ↓ 100% / ↑ 0%      |
| System Power       | 28 W               |
| <b>UGR</b>         | X=4H, Y=8H         |
| Reflection factors | 70/50/20           |
| UGR C0/C180        | 13.0               |
| UGR C90/C270       | 13.0               |
| CIE Flux Codes     | 95 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_WS-MATT, 1xLED 28W 840/4000K 2460lm 20 °)

C0/C180 cd / 1000 lm



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 3333 | 3333 | 3333 | 3333 |
| 15° | 1388 | 1388 | 1388 | 1388 |
| 30° | 160  | 160  | 160  | 160  |
| 45° | 72   | 72   | 72   | 72   |
| 60° | 33   | 33   | 33   | 33   |
| 75° | 6    | 6    | 6    | 6    |
| 90° | 0    | 0    | 0    | 0    |

cd / 1000 lm

Offset [m] Cone width [m] Illuminance [lx]

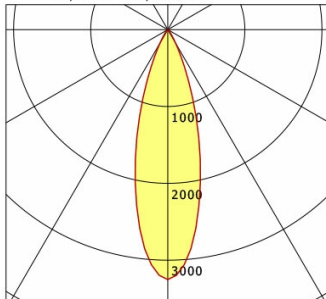
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 1.41           | 910.9            |
| 6.0        | 2.82           | 227.7            |
| 9.0        | 4.23           | 101.2            |
| 12.0       | 5.63           | 56.9             |
| 15.0       | 7.04           | 36.4             |

|                    |                   |
|--------------------|-------------------|
| <b>η</b>           | LED               |
| Efficiency         | 88 lm/W           |
| Direct/Indirect    | ↓ 100% / ↑ 0%     |
| System Power       | 28 W              |
| <b>UGR</b>         | X=4H, Y=8H        |
| Reflection factors | 70/50/20          |
| UGR C0/C180        | 18.2              |
| UGR C90/C270       | 18.2              |
| CIE Flux Codes     | 88 97 100 100 100 |
| Ra/CRI             | >80               |

LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_SW-MATT, 1xLED 28W 840/4000K 1740lm 20 °)

C0/C180 cd / 1000 lm



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 3252 | 3252 | 3252 | 3252 |
| 15° | 1598 | 1598 | 1598 | 1598 |
| 30° | 202  | 202  | 202  | 202  |
| 45° | 24   | 24   | 24   | 24   |
| 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]

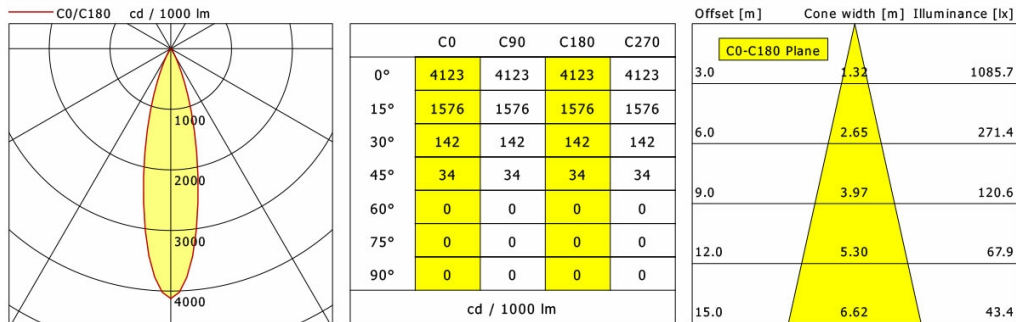
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 1.59           | 628.7            |
| 6.0        | 3.17           | 157.2            |
| 9.0        | 4.76           | 69.9             |
| 12.0       | 6.34           | 39.3             |
| 15.0       | 7.93           | 25.1             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 62 lm/W            |
| Direct/Indirect    | ↓ 100% / ↑ 0%      |
| System Power       | 28 W               |
| <b>UGR</b>         | X=4H, Y=8H         |
| Reflection factors | 70/50/20           |
| UGR C0/C180        | <10.0              |
| UGR C90/C270       | <10.0              |
| CIE Flux Codes     | 98 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

# DAL-L-LK 101.840.20/DALI

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_CH-SW, 1xLED 28W 840/4000K 2370lm 20 °)



|                 |               |
|-----------------|---------------|
| <b>η</b>        | LED           |
| Efficiency      | 85 lm/W       |
| Direct/Indirect | ↓ 100% / ↑ 0% |
| System Power    | 28 W          |

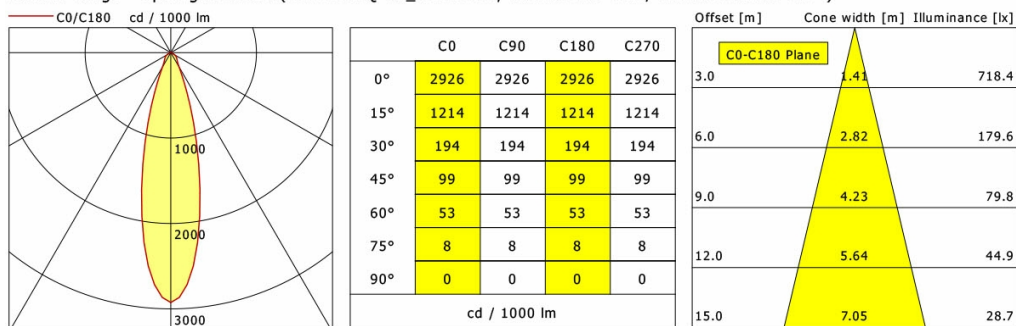
|                    |            |
|--------------------|------------|
| <b>UGR</b>         | X=4H, Y=8H |
| Reflection factors | 70/50/20   |
| UGR C0/C180        | <10.0      |
| UGR C90/C270       | <10.0      |

|                |                    |
|----------------|--------------------|
| CIE Flux Codes | 97 100 100 100 100 |
| Ra/CRI         | >80                |

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_WS-MATT, 1xLED 28W 840/4000K 2210lm 20 °)



|                 |               |
|-----------------|---------------|
| <b>η</b>        | LED           |
| Efficiency      | 79 lm/W       |
| Direct/Indirect | ↓ 100% / ↑ 0% |
| System Power    | 28 W          |

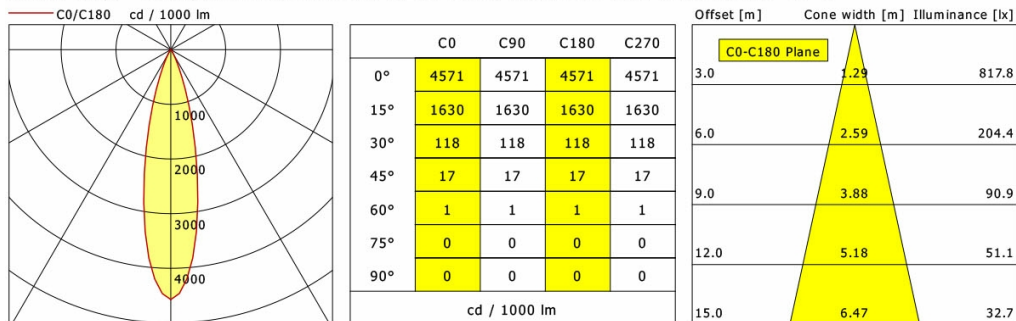
|                    |            |
|--------------------|------------|
| <b>UGR</b>         | X=4H, Y=8H |
| Reflection factors | 70/50/20   |
| UGR C0/C180        | 19.3       |
| UGR C90/C270       | 19.3       |

|                |                   |
|----------------|-------------------|
| CIE Flux Codes | 83 96 100 100 100 |
| Ra/CRI         | >80               |

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_SW-MATT, 1xLED 28W 840/4000K 1610lm 20 °)



|                 |               |
|-----------------|---------------|
| <b>η</b>        | LED           |
| Efficiency      | 58 lm/W       |
| Direct/Indirect | ↓ 100% / ↑ 0% |
| System Power    | 28 W          |

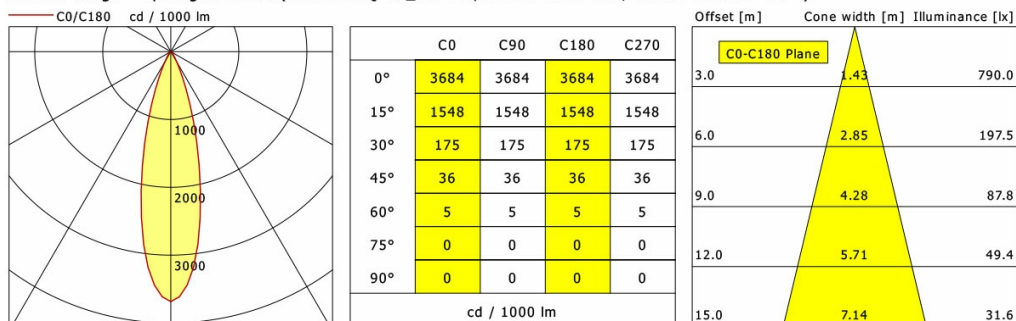
|                    |            |
|--------------------|------------|
| <b>UGR</b>         | X=4H, Y=8H |
| Reflection factors | 70/50/20   |
| UGR C0/C180        | <10.0      |
| UGR C90/C270       | <10.0      |

|                |                    |
|----------------|--------------------|
| CIE Flux Codes | 99 100 100 100 100 |
| Ra/CRI         | >80                |

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_CH-SW, 1xLED 28W 840/4000K 1930lm 20 °)



|                 |               |
|-----------------|---------------|
| <b>η</b>        | LED           |
| Efficiency      | 69 lm/W       |
| Direct/Indirect | ↓ 100% / ↑ 0% |
| System Power    | 28 W          |

|                    |            |
|--------------------|------------|
| <b>UGR</b>         | X=4H, Y=8H |
| Reflection factors | 70/50/20   |
| UGR C0/C180        | <10.0      |
| UGR C90/C270       | <10.0      |

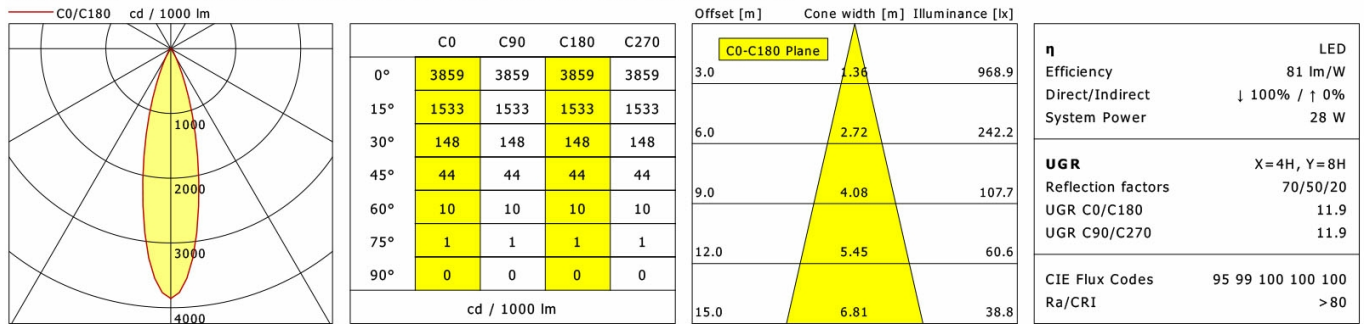
  

|                |                    |
|----------------|--------------------|
| CIE Flux Codes | 96 100 100 100 100 |
| Ra/CRI         | >80                |

LTS

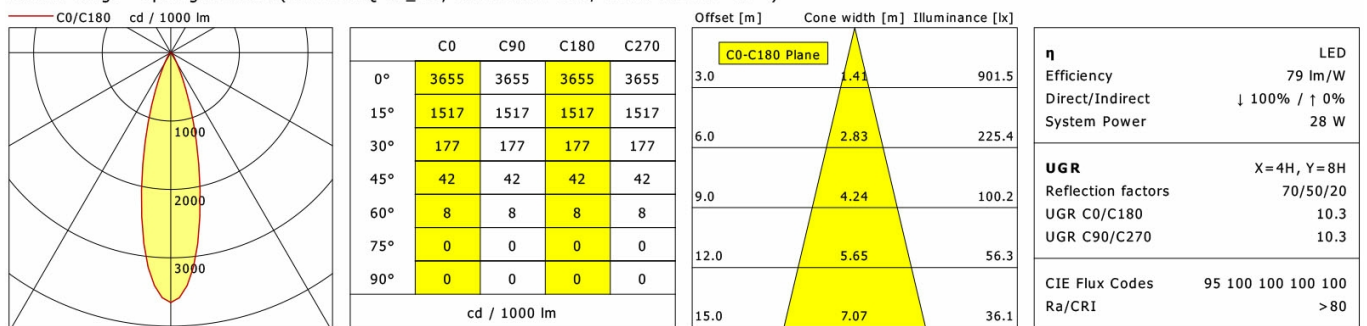
# DAL-L-LK 101.840.20/DALI

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_SI-MATT, 1xLED 28W 840/4000K 2260lm 20 °)



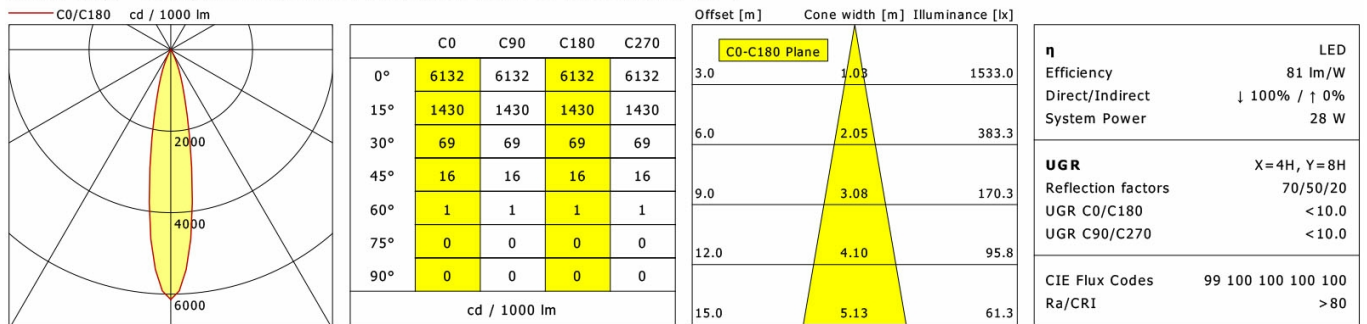
LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_CH, 1xLED 28W 840/4000K 2220lm 20 °)



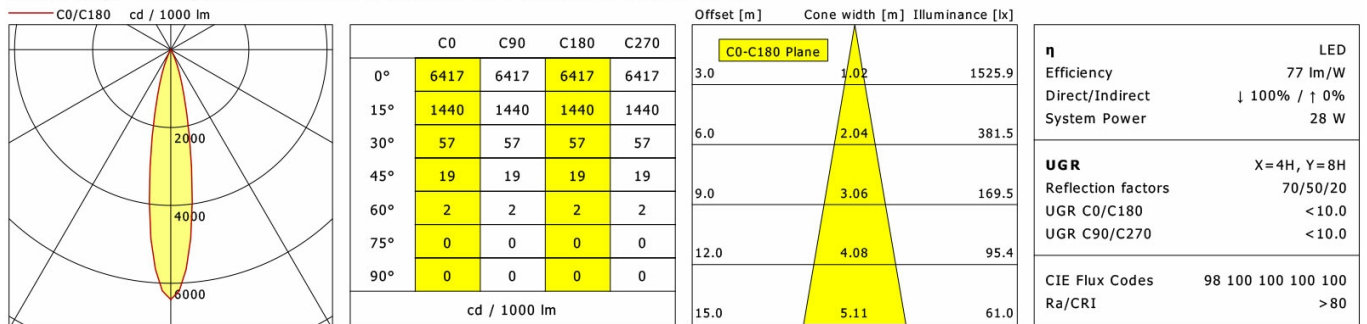
LTS

Dallton Large - Spotlight Insert (DAL-L-RFR 23, 1xLED 28W 840/4000K 2250lm 20 °)



LTS

Dallton Large - Spotlight Insert (DAL-L-RFQ 13, 1xLED 28W 840/4000K 2140lm 20 °)



LTS

Einbaustrahler · Dallton Large System



# DAL-L-LK 101.840.20/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