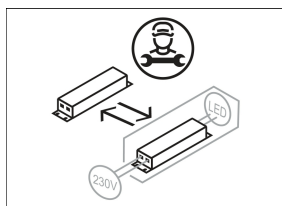
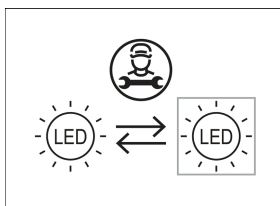


## DAL-S-LK 101.830.40/DALI



| Coloris | Réf. article | EAN           |
|---------|--------------|---------------|
| argent  | 661044       | 4043544698612 |



## Description

- tête d'éclairage pivotant sur 355° et orientable sur 30° grâce à une vis de réglage
- optiques individuelles avec cadre de montage standard ou sans bord et différents réflecteurs frontaux
- très simple à entretenir
- absence de radiations thermiques et UV
- gestion thermique avec refroidissement passif
- tête d'éclairage et dissipateur de chaleur moulés sous pression
- principal réflecteur en plastique
- anneau antireflet noir en polycarbonate pour le logement de grilles de défilement en nid d'abeille
- disque diffuseur en verre
- la tête d'éclairage s'emboîte dans la collerette sans outils
- branchement au ballast par câble de l'appareil avec connecteur Mini-Clamp
- ballast (convertisseur LED DALI, gradable) inclus (positionnement extérieur)

## Options standard

4000 K

## Options spéciales

SCHWARZ

2700 K

CRI 90  
SDCM3

## Données d'éclairage / Normes

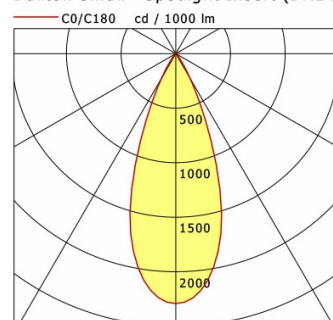
|                              |                                                           |
|------------------------------|-----------------------------------------------------------|
| Lampes                       | LED Spot / CRI 80 / 3000 K                                |
| EPREL sources de lumière     | 992480                                                    |
| Durée de vie                 | L90 B50 50.000 h<br>L80 B50 100.000 h<br>L80 B20 50.000 h |
| Puissance du système         | 22.0 W                                                    |
| Flux lumineux des luminaires | max. 1460 lm                                              |
| Rendement du système         | 51.36 lm/W                                                |
| Rendement du module          | 157.83 lm/W                                               |
| UGR classe                   | ≤16                                                       |
| Angle de rayonnement         | 40°                                                       |
| Tension d'alimentation       | 220 - 240 V / 50 - 60 Hz                                  |
| Classe de protection         | III                                                       |
| Type de protection           | IP20                                                      |

## Dimensions / Poids

|                               |         |
|-------------------------------|---------|
| Diamètre extérieur            | 82 mm   |
| Hauteur                       | 103 mm  |
| Profondeur d'encastrement     | 135 mm  |
| Diamètre de la tête lumineuse | 82 mm   |
| Poids net                     | 0.72 kg |
| Poids brut                    | 0.75 kg |

# DAL-S-LK 101.830.40/DALI

Dallton Small - Spotlight Insert (DAL-S-RTR 21\_SW-MATT, 1xLED 22W 830/3000K 1130lm 40 °)



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 2292 | 2292 | 2292 | 2292 |
| 15° | 1616 | 1616 | 1616 | 1616 |
| 30° | 262  | 262  | 262  | 262  |
| 45° | 16   | 16   | 16   | 16   |
| 60° | 0    | 0    | 0    | 0    |
| 75° | 0    | 0    | 0    | 0    |
| 90° | 0    | 0    | 0    | 0    |

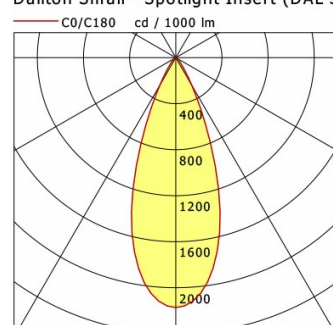
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 2.11           | 287.7            |
| 6.0        | 4.23           | 71.9             |
| 9.0        | 6.34           | 32.0             |
| 12.0       | 8.46           | 18.0             |
| 15.0       | 10.57          | 11.5             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 51 lm/W            |
| Direct/Indirect    | ↓ 100% / ↑ 0%      |
| System Power       | 22 W               |
| <b>UGR</b>         | X=4H, Y=8H         |
| Reflection factors | 70/50/20           |
| UGR C0/C180        | 10.4               |
| UGR C90/C270       | 10.4               |
| CIE Flux Codes     | 99 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

Dallton Small - Spotlight Insert (DAL-S-RTR 21\_SI-MATT, 1xLED 22W 830/3000K 1350lm 40 °)



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 2172 | 2172 | 2172 | 2172 |
| 15° | 1485 | 1485 | 1485 | 1485 |
| 30° | 276  | 276  | 276  | 276  |
| 45° | 45   | 45   | 45   | 45   |
| 60° | 7    | 7    | 7    | 7    |
| 75° | 0    | 0    | 0    | 0    |
| 90° | 0    | 0    | 0    | 0    |

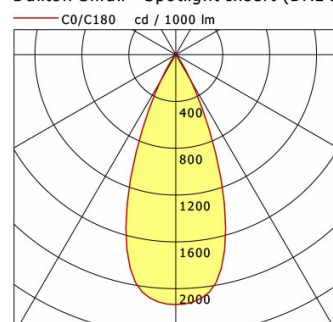
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 2.08           | 325.8            |
| 6.0        | 4.16           | 81.5             |
| 9.0        | 6.24           | 36.2             |
| 12.0       | 8.32           | 20.4             |
| 15.0       | 10.40          | 13.0             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 61 lm/W            |
| Direct/Indirect    | ↓ 100% / ↑ 0%      |
| System Power       | 22 W               |
| <b>UGR</b>         | X=4H, Y=8H         |
| Reflection factors | 70/50/20           |
| UGR C0/C180        | 14.1               |
| UGR C90/C270       | 14.1               |
| CIE Flux Codes     | 95 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

Dallton Small - Spotlight Insert (DAL-S-RFR 21, 1xLED 22W 830/3000K 1390lm 40 °)



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 2136 | 2136 | 2136 | 2136 |
| 15° | 1635 | 1635 | 1635 | 1635 |
| 30° | 257  | 257  | 257  | 257  |
| 45° | 12   | 12   | 12   | 12   |
| 60° | 0    | 0    | 0    | 0    |
| 75° | 0    | 0    | 0    | 0    |
| 90° | 0    | 0    | 0    | 0    |

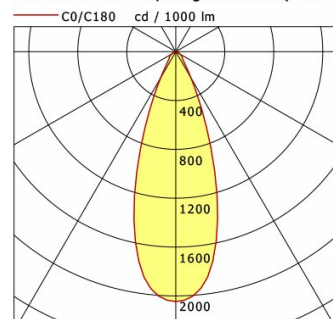
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 2.25           | 329.8            |
| 6.0        | 4.49           | 82.5             |
| 9.0        | 6.74           | 36.6             |
| 12.0       | 8.99           | 20.6             |
| 15.0       | 11.23          | 13.2             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 63 lm/W            |
| Direct/Indirect    | ↓ 100% / ↑ 0%      |
| System Power       | 22 W               |
| <b>UGR</b>         | X=4H, Y=8H         |
| Reflection factors | 70/50/20           |
| UGR C0/C180        | 10.2               |
| UGR C90/C270       | 10.2               |
| CIE Flux Codes     | 99 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

Dallton Small - Spotlight Insert (DAL-S-RTQ 11\_WS-MATT, 1xLED 22W 830/3000K 1300lm 40 °)



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 2046 | 2046 | 2046 | 2046 |
| 15° | 1319 | 1319 | 1319 | 1319 |
| 30° | 247  | 247  | 247  | 247  |
| 45° | 77   | 77   | 77   | 77   |
| 60° | 43   | 43   | 43   | 43   |
| 75° | 6    | 6    | 6    | 6    |
| 90° | 0    | 0    | 0    | 0    |

cd / 1000 lm

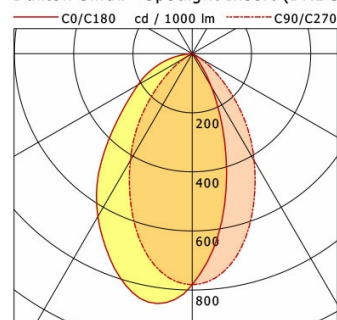
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 1.96           | 295.5            |
| 6.0        | 3.91           | 73.9             |
| 9.0        | 5.87           | 32.8             |
| 12.0       | 7.82           | 18.5             |
| 15.0       | 9.78           | 11.8             |

|                    |                   |
|--------------------|-------------------|
| <b>η</b>           | LED               |
| Efficiency         | 59 lm/W           |
| Direct/Indirect    | ↓ 100% / ↑ 0%     |
| System Power       | 22 W              |
| <b>UGR</b>         | X=4H, Y=8H        |
| Reflection factors | 70/50/20          |
| UGR C0/C180        | 19.0              |
| UGR C90/C270       | 19.0              |
| CIE Flux Codes     | 86 96 100 100 100 |
| Ra/CRI             | >80               |

LTS

# DAL-S-LK 101.830.40/DALI

Dallton Small - Spotlight Insert (DAL-S-RWR 21, 1xLED 22W 830/3000K 820lm 40 °)



|     | C0  | C90 | C180 | C270 |
|-----|-----|-----|------|------|
| 0°  | 782 | 782 | 782  | 782  |
| 15° | 447 | 665 | 825  | 665  |
| 30° | 129 | 417 | 637  | 417  |
| 45° | 17  | 179 | 389  | 179  |
| 60° | 3   | 30  | 211  | 30   |
| 75° | 1   | 2   | 95   | 2    |
| 90° | 0   | 0   | 0    | 0    |

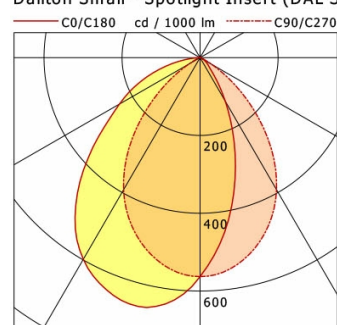
cd / 1000 lm

LDC unsuitable for cone representation.  
Asymmetric LDC.

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 37 lm/W          |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 22 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | <10.0            |
| UGR C90/C270       | 23.0             |
| CIE Flux Codes     | 70 91 98 100 100 |
| Ra/CRI             | >80              |

LTS

Dallton Small - Spotlight Insert (DAL-S-RWQ 11, 1xLED 22W 830/3000K 650lm 40 °)



|     | C0  | C90 | C180 | C270 |
|-----|-----|-----|------|------|
| 0°  | 563 | 563 | 563  | 563  |
| 15° | 341 | 516 | 659  | 516  |
| 30° | 129 | 392 | 598  | 392  |
| 45° | 32  | 202 | 429  | 202  |
| 60° | 11  | 35  | 239  | 35   |
| 75° | 3   | 3   | 99   | 3    |
| 90° | 0   | 0   | 0    | 0    |

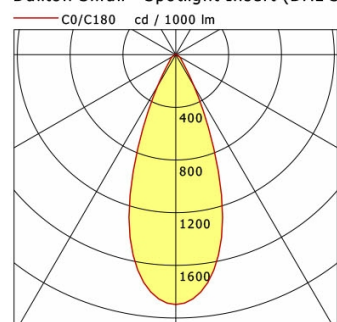
cd / 1000 lm

LDC unsuitable for cone representation.  
Asymmetric LDC.

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 30 lm/W          |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 22 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | <10.0            |
| UGR C90/C270       | 22.5             |
| CIE Flux Codes     | 62 89 98 100 100 |
| Ra/CRI             | >80              |

LTS

Dallton Small - Spotlight Insert (DAL-S-RTR 21\_WS-MATT, 1xLED 22W 830/3000K 1460lm 40 °)



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 1898 | 1898 | 1898 | 1898 |
| 15° | 1362 | 1362 | 1362 | 1362 |
| 30° | 276  | 276  | 276  | 276  |
| 45° | 64   | 64   | 64   | 64   |
| 60° | 29   | 29   | 29   | 29   |
| 75° | 5    | 5    | 5    | 5    |
| 90° | 0    | 0    | 0    | 0    |

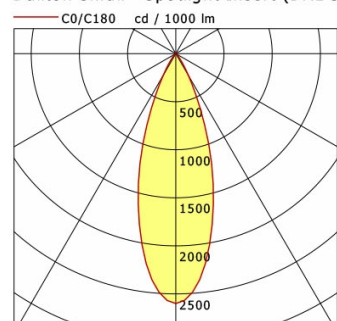
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 2.17           | 307.8            |
| 6.0        | 4.35           | 77.0             |
| 9.0        | 6.52           | 34.2             |
| 12.0       | 8.70           | 19.2             |
| 15.0       | 10.87          | 12.3             |

|                    |                   |
|--------------------|-------------------|
| <b>η</b>           | LED               |
| Efficiency         | 66 lm/W           |
| Direct/Indirect    | ↓ 100% / ↑ 0%     |
| System Power       | 22 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     | 89 97 100 100 100 |
| Ra/CRI             | >80               |

LTS

Dallton Small - Spotlight Insert (DAL-S-RTR 21\_CH, 1xLED 22W 830/3000K 1430lm 40 °)



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 2600 | 2600 | 2600 | 2600 |
| 15° | 1510 | 1510 | 1510 | 1510 |
| 30° | 261  | 261  | 261  | 261  |
| 45° | 32   | 32   | 32   | 32   |
| 60° | 0    | 0    | 0    | 0    |
| 75° | 0    | 0    | 0    | 0    |
| 90° | 0    | 0    | 0    | 0    |

cd / 1000 lm

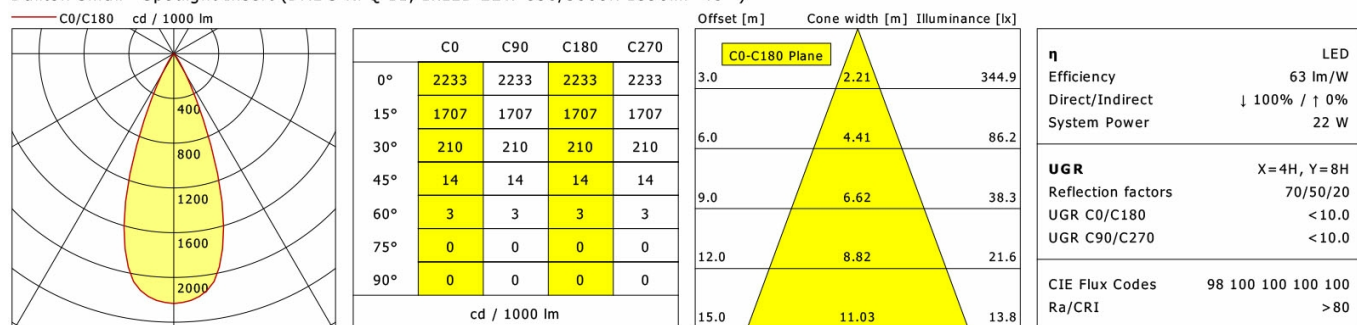
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 1.84           | 413.2            |
| 6.0        | 3.68           | 103.3            |
| 9.0        | 5.52           | 45.9             |
| 12.0       | 7.36           | 25.8             |
| 15.0       | 9.20           | 16.5             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 65 lm/W            |
| Direct/Indirect    | ↓ 100% / ↑ 0%      |
| System Power       | 22 W               |
| <b>UGR</b>         | X=4H, Y=8H         |
| Reflection factors | 70/50/20           |
| UGR C0/C180        | 12.6               |
| UGR C90/C270       | 12.6               |
| CIE Flux Codes     | 97 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

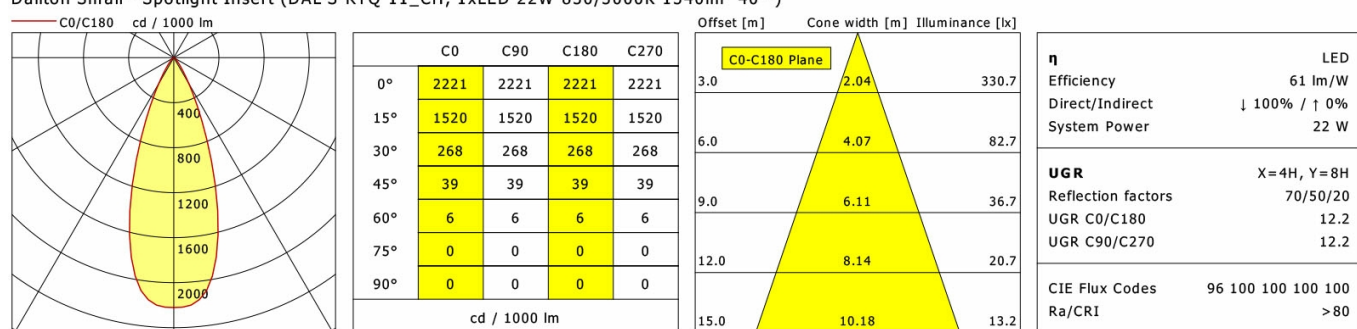
# DAL-S-LK 101.830.40/DALI

Dallton Small - Spotlight Insert (DAL-S-RFQ 11, 1xLED 22W 830/3000K 1390lm 40 °)



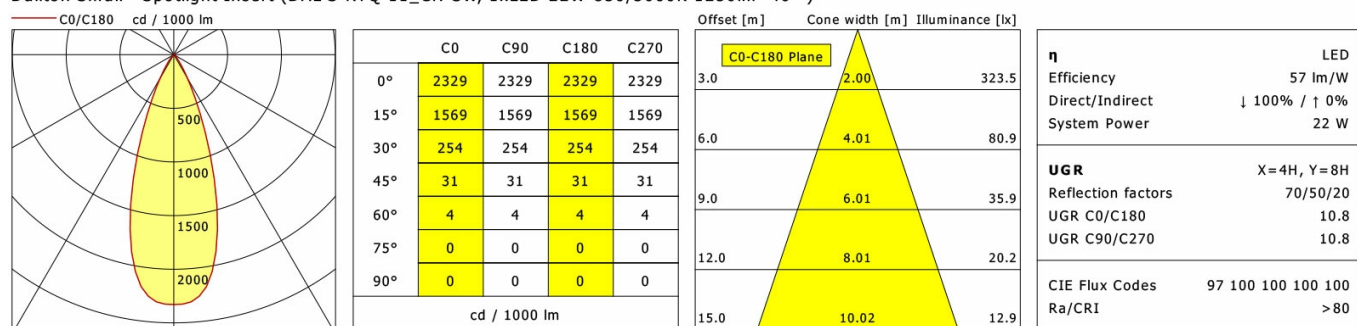
LTS

Dallton Small - Spotlight Insert (DAL-S-RTQ 11\_CH, 1xLED 22W 830/3000K 1340lm 40 °)



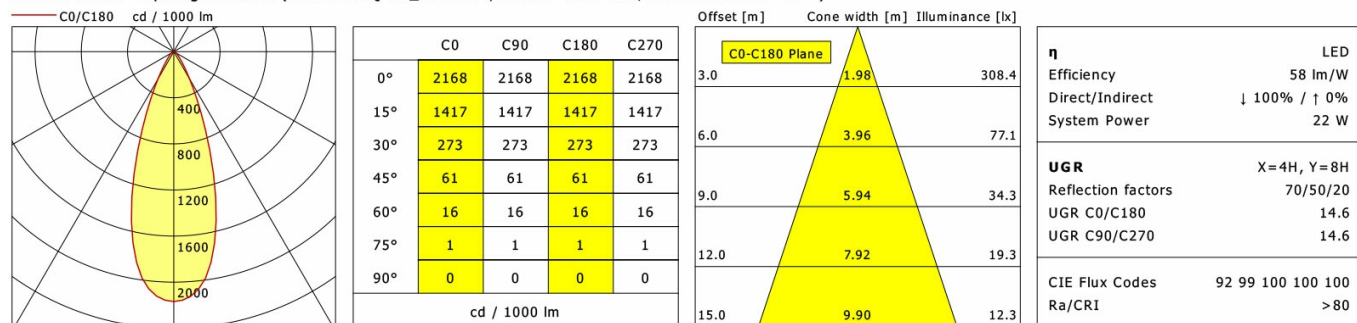
LTS

Dallton Small - Spotlight Insert (DAL-S-RTQ 11\_CH-SW, 1xLED 22W 830/3000K 1250lm 40 °)



LTS

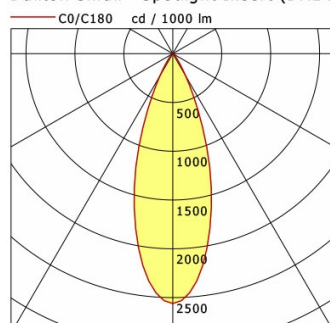
Dallton Small - Spotlight Insert (DAL-S-RTQ 11\_SI-MATT, 1xLED 22W 830/3000K 1280lm 40 °)



LTS

# DAL-S-LK 101.830.40/DALI

Dallton Small - Spotlight Insert (DAL-S-RTR 21\_CH-SW, 1xLED 22W 830/3000K 1380lm 40 °)



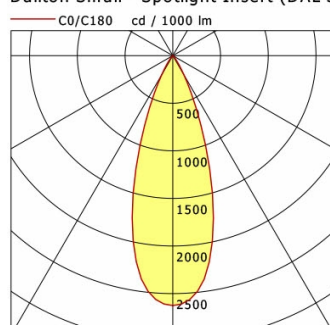
|              | C0   | C90  | C180 | C270 |
|--------------|------|------|------|------|
| 0°           | 2561 | 2561 | 2561 | 2561 |
| 15°          | 1528 | 1528 | 1528 | 1528 |
| 30°          | 261  | 261  | 261  | 261  |
| 45°          | 28   | 28   | 28   | 28   |
| 60°          | 0    | 0    | 0    | 0    |
| 75°          | 0    | 0    | 0    | 0    |
| 90°          | 0    | 0    | 0    | 0    |
| cd / 1000 lm |      |      |      |      |

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 1.88           | 392.7            |
| 6.0        | 3.77           | 98.2             |
| 9.0        | 5.65           | 43.6             |
| 12.0       | 7.53           | 24.5             |
| 15.0       | 9.42           | 15.7             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 63 lm/W            |
| Direct/Indirect    | ↓ 100% / ↑ 0%      |
| System Power       | 22 W               |
| <b>UGR</b>         | X=4H, Y=8H         |
| Reflection factors | 70/50/20           |
| UGR C0/C180        | 12.1               |
| UGR C90/C270       | 12.1               |
| CIE Flux Codes     | 98 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

Dallton Small - Spotlight Insert (DAL-S-RTQ 11\_SW-MATT, 1xLED 22W 830/3000K 1010lm 40 °)



|              | C0   | C90  | C180 | C270 |
|--------------|------|------|------|------|
| 0°           | 2626 | 2626 | 2626 | 2626 |
| 15°          | 1635 | 1635 | 1635 | 1635 |
| 30°          | 234  | 234  | 234  | 234  |
| 45°          | 14   | 14   | 14   | 14   |
| 60°          | 1    | 1    | 1    | 1    |
| 75°          | 0    | 0    | 0    | 0    |
| 90°          | 0    | 0    | 0    | 0    |
| cd / 1000 lm |      |      |      |      |

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 1.89           | 294.6            |
| 6.0        | 3.78           | 73.7             |
| 9.0        | 5.68           | 32.7             |
| 12.0       | 7.57           | 18.4             |
| 15.0       | 9.46           | 11.8             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 46 lm/W            |
| Direct/Indirect    | ↓ 100% / ↑ 0%      |
| System Power       | 22 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

Spots à encastrement · Dallton Small System



# DAL-S-LK 101.830.40/DALI

## Accessoires



**DAL-S-ZBW 11.21**  
Grille de défilement en nid d'abeille



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



**ZB-OR GATEWAY**  
Organic Response passerelle IoT série Cascade



**ZB-OR-R SENSOR**  
capteur Organic Response pour montage encastré