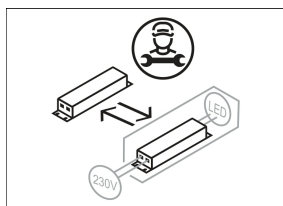
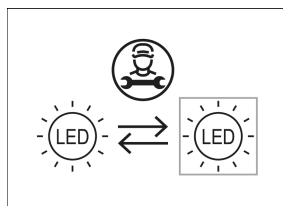


## DAL-L-LK 101.840.20/DALI



| Coloris | Réf. article | EAN           |
|---------|--------------|---------------|
| argent  | 660958       | 4043544697752 |



## 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
- sécurité avec câble de sécurité
- 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



## Options spéciales



## Données d'éclairage / Normes

|                              |                            |
|------------------------------|----------------------------|
| Lampes                       | LED Spot / CRI 80 / 4000 K |
| EPREL sources de lumière     | 851282                     |
|                              | L90 B50 50.000 h           |
|                              | L80 B50 100.000 h          |
|                              | L80 B20 50.000 h           |
| Durée de vie                 |                            |
| Puissance du système         | 28.0 W                     |
| Flux lumineux des luminaires | max. 2460 lm               |
| Rendement du système         | 70.00 lm/W                 |
| Rendement du module          | 162.17 lm/W                |
| UGR classe                   | ≤16                        |
| Angle de rayonnement         | 20°                        |
| Tension d'alimentation       | 220 - 240 V / 50 - 60 Hz   |
| Classe de protection         | III                        |
| Type de protection           | IP20                       |

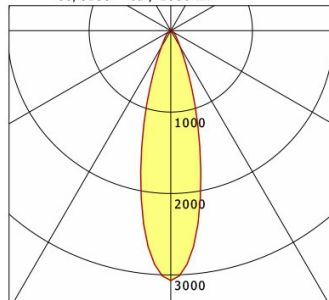
## Dimensions / Poids

|                               |         |
|-------------------------------|---------|
| Diamètre extérieur            | 124 mm  |
| Hauteur                       | 149 mm  |
| Profondeur d'encastrement     | 200 mm  |
| Diamètre de la tête lumineuse | 124 mm  |
| Poids net                     | 1.31 kg |
| Poids brut                    | 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]

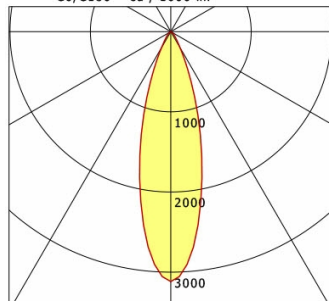
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 1.45           | 668.3            |
| 6.0        | 2.90           | 167.1            |
| 9.0        | 4.36           | 74.3             |
| 12.0       | 5.81           | 41.8         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

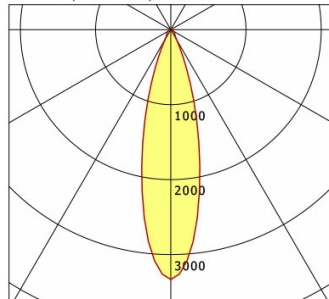
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 1.53           | 845.0            |
| 6.0        | 3.05           | 211.2            |
| 9.0        | 4.58           | 93.9             |
| 12.0       | 6.10           | 52.8         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

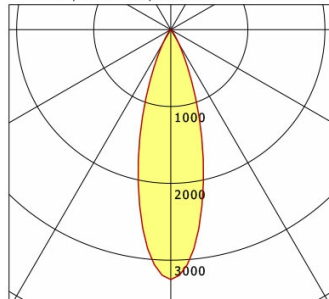
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 1.41           | 910.9            |
| 6.0        | 2.82           | 227.7            |
| 9.0        | 4.23           | 101.2            |
| 12.0       | 5.63           | 56.9         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

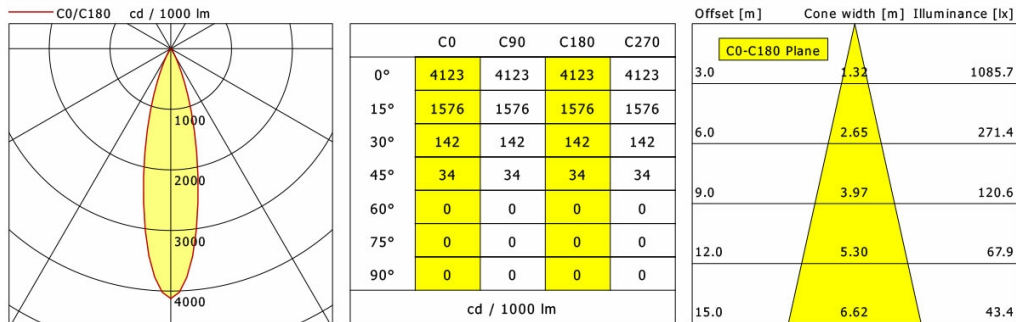
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 1.59           | 628.7            |
| 6.0        | 3.17           | 157.2            |
| 9.0        | 4.76           | 69.9             |
| 12.0       | 6.34           | 39.3         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

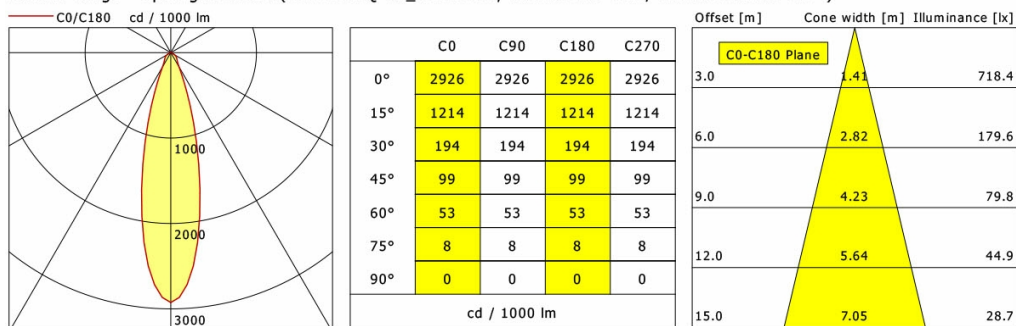
|                    |            |
|--------------------|------------|
| <b>UGR</b>         | X=4H, Y=8H |
| Reflection factors | 70/50/20   |
| UGR C0/C180        | <10.0      |
| UGR C90/C270       | <10.0      |

|                |                    |
|----------------|--------------------|
| 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          |

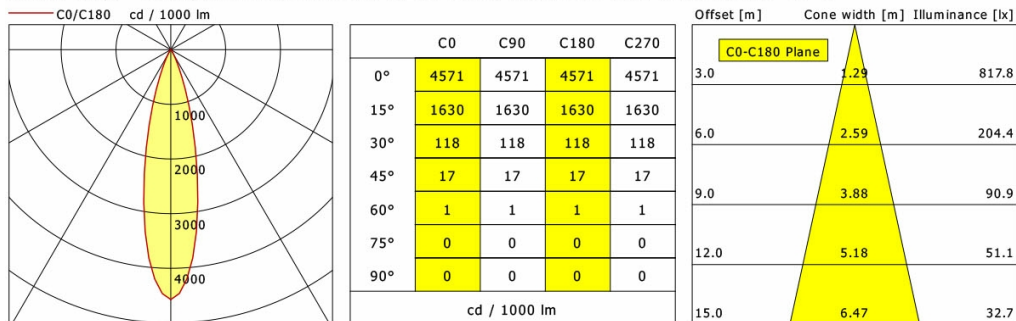
|                    |            |
|--------------------|------------|
| <b>UGR</b>         | X=4H, Y=8H |
| Reflection factors | 70/50/20   |
| UGR C0/C180        | 19.3       |
| UGR C90/C270       | 19.3       |

|                |                   |
|----------------|-------------------|
| 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          |

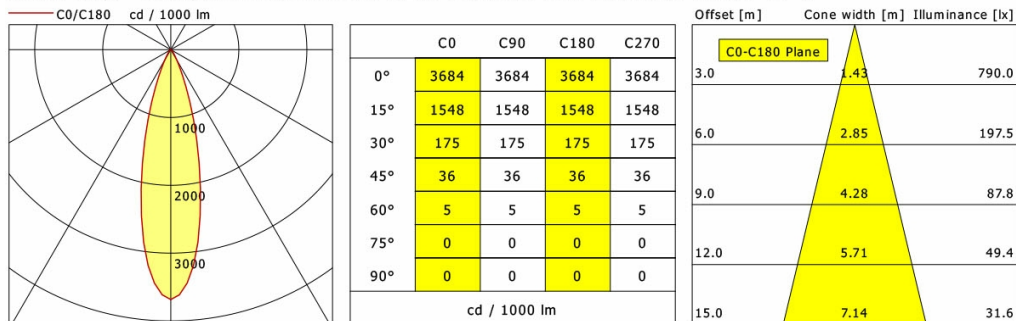
|                    |            |
|--------------------|------------|
| <b>UGR</b>         | X=4H, Y=8H |
| Reflection factors | 70/50/20   |
| UGR C0/C180        | <10.0      |
| UGR C90/C270       | <10.0      |

|                |                    |
|----------------|--------------------|
| 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      |

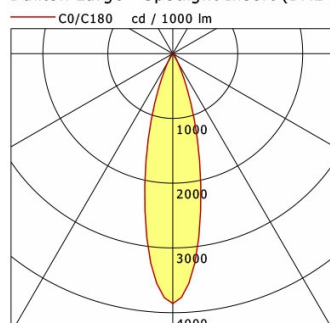
  

|                |                    |
|----------------|--------------------|
| CIE Flux Codes | 96 100 100 100 100 |
| Ra/CRI         | >80                |

LTS

# DAL-L-LK 101.840.20/DALI

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



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 3859 | 3859 | 3859 | 3859 |
| 15° | 1533 | 1533 | 1533 | 1533 |
| 30° | 148  | 148  | 148  | 148  |
| 45° | 44   | 44   | 44   | 44   |
| 60° | 10   | 10   | 10   | 10   |
| 75° | 1    | 1    | 1    | 1    |
| 90° | 0    | 0    | 0    | 0    |

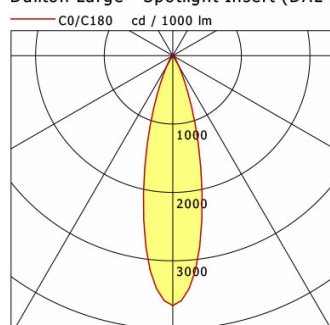
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 1.36           | 968.9            |
| 6.0        | 2.72           | 242.2            |
| 9.0        | 4.08           | 107.7            |
| 12.0       | 5.45           | 60.6             |
| 15.0       | 6.81           | 38.8             |

|                    |                   |
|--------------------|-------------------|
| <b>η</b>           | LED               |
| Efficiency         | 81 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        | 11.9              |
| UGR C90/C270       | 11.9              |
| CIE Flux Codes     | 95 99 100 100 100 |
| Ra/CRI             | >80               |

LTS

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



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 3655 | 3655 | 3655 | 3655 |
| 15° | 1517 | 1517 | 1517 | 1517 |
| 30° | 177  | 177  | 177  | 177  |
| 45° | 42   | 42   | 42   | 42   |
| 60° | 8    | 8    | 8    | 8    |
| 75° | 0    | 0    | 0    | 0    |
| 90° | 0    | 0    | 0    | 0    |

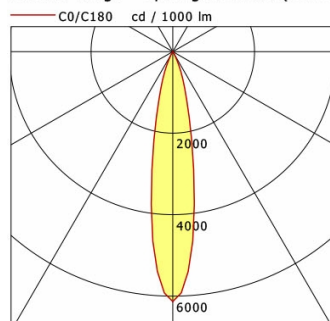
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 1.41           | 901.5            |
| 6.0        | 2.83           | 225.4            |
| 9.0        | 4.24           | 100.2            |
| 12.0       | 5.65           | 56.3             |
| 15.0       | 7.07           | 36.1             |

|                    |                    |
|--------------------|--------------------|
| <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        | 10.3               |
| UGR C90/C270       | 10.3               |
| CIE Flux Codes     | 95 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

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



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 6132 | 6132 | 6132 | 6132 |
| 15° | 1430 | 1430 | 1430 | 1430 |
| 30° | 69   | 69   | 69   | 69   |
| 45° | 16   | 16   | 16   | 16   |
| 60° | 1    | 1    | 1    | 1    |
| 75° | 0    | 0    | 0    | 0    |
| 90° | 0    | 0    | 0    | 0    |

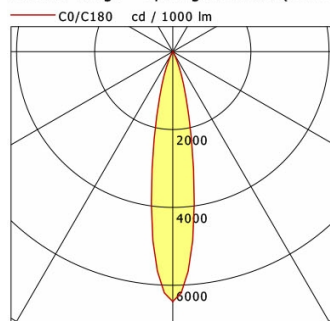
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 1.08           | 1533.0           |
| 6.0        | 2.05           | 383.3            |
| 9.0        | 3.08           | 170.3            |
| 12.0       | 4.10           | 95.8             |
| 15.0       | 5.13           | 61.3             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 81 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-RFQ 13, 1xLED 28W 840/4000K 2140lm 20 °)



|     | C0   | C90  | C180 | C270 |
|-----|------|------|------|------|
| 0°  | 6417 | 6417 | 6417 | 6417 |
| 15° | 1440 | 1440 | 1440 | 1440 |
| 30° | 57   | 57   | 57   | 57   |
| 45° | 19   | 19   | 19   | 19   |
| 60° | 2    | 2    | 2    | 2    |
| 75° | 0    | 0    | 0    | 0    |
| 90° | 0    | 0    | 0    | 0    |

cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 1.02           | 1525.9           |
| 6.0        | 2.04           | 381.5            |
| 9.0        | 3.06           | 169.5            |
| 12.0       | 4.08           | 95.4             |
| 15.0       | 5.11           | 61.0             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 77 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

Spots à encastrement · Dallton Large System



# DAL-L-LK 101.840.20/DALI

## Accessoires



**DAL-L-ZBW 13.23**  
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