

DAL-S-LK 101.830.40/DALI



| Colours | Article no. | EAN |
|---------|-------------|---------------|
| silver | 661044 | 4043544698612 |



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
- 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

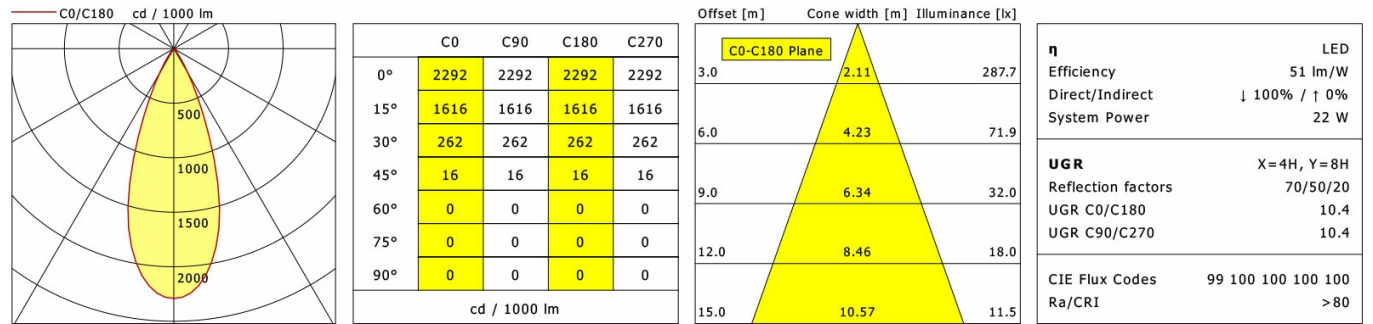
| | |
|-------------------------|-----------------------------------------------------------|
| Lamps | LED Spot / CRI 80 / 3000 K |
| EPREL light sources | 992480 |
| Lifetime | L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h |
| System power | 22.0 W |
| Luminaire luminous flux | max. 1460 lm |
| System efficiency | 51.36 lm/W |
| Module efficiency | 157.83 lm/W |
| UGR class | ≤16 |
| Beam angle | 40° |
| Supply voltage | 220 - 240 V / 50 - 60 Hz |
| Protection class | III |
| Type of protection | IP20 |

Dimensions / Weights

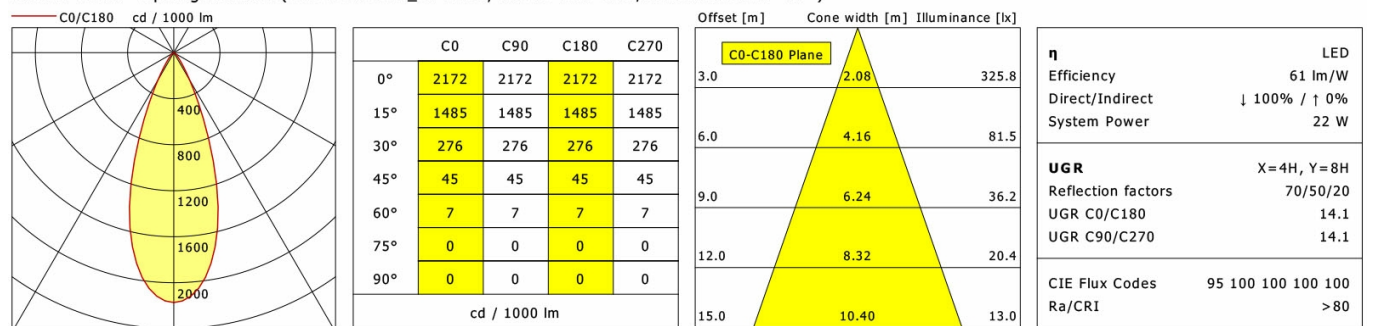
| | |
|------------------------|---------|
| Outer diameter | 82 mm |
| Height | 103 mm |
| Recessed depth | 135 mm |
| Diameter of light head | 82 mm |
| Net weight | 0.72 kg |
| Gross weight | 0.75 kg |

DAL-S-LK 101.830.40/DALI

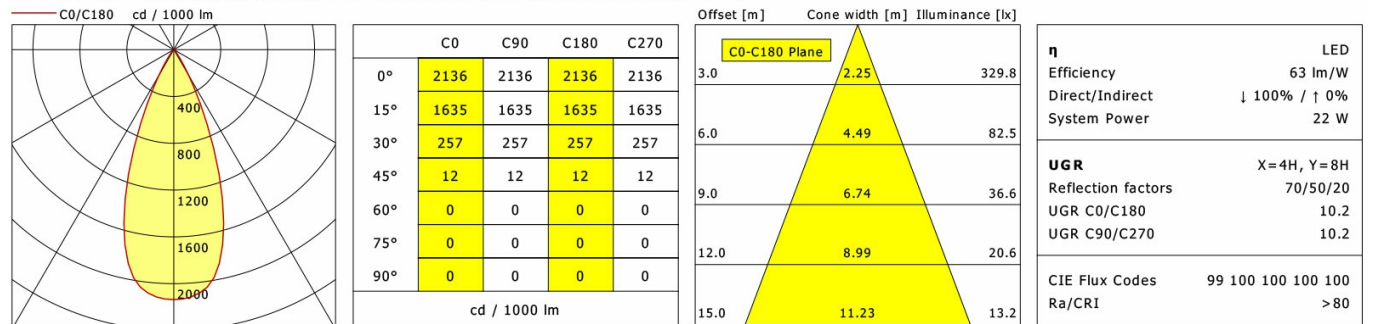
Dallton Small - Spotlight Insert (DAL-S-RTR 21_SW-MATT, 1xLED 22W 830/3000K 1130lm 40 °)



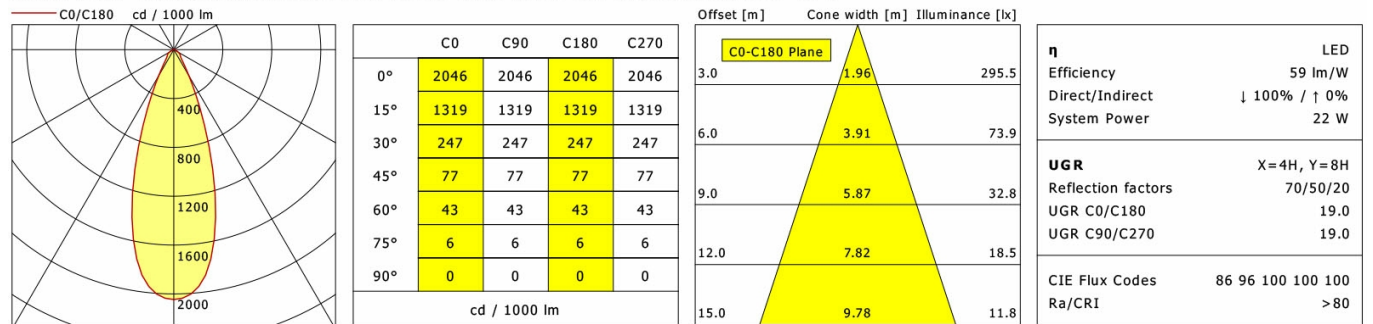
Dallton Small - Spotlight Insert (DAL-S-RTR 21_SI-MATT, 1xLED 22W 830/3000K 1350lm 40 °)



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

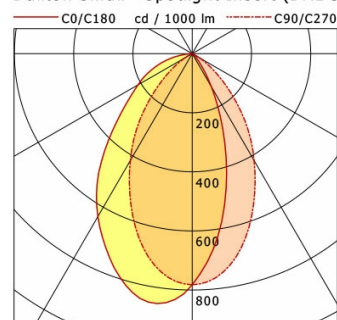


Dallton Small - Spotlight Insert (DAL-S-RTQ 11_WS-MATT, 1xLED 22W 830/3000K 1300lm 40 °)



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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 |

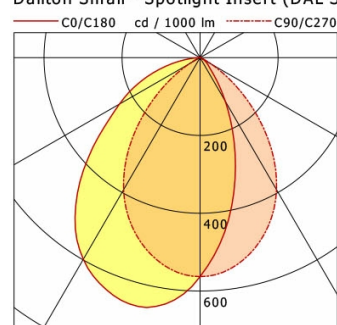
cd / 1000 lm

LDC unsuitable for cone representation.
Asymmetric LDC.

| | |
|--------------------|------------------|
| η | LED |
| Efficiency | 37 lm/W |
| Direct/Indirect | ↓ 100% / ↑ 0% |
| System Power | 22 W |
| UGR | 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 |

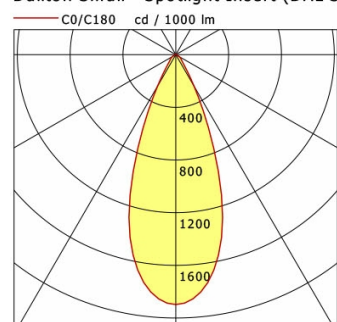
cd / 1000 lm

LDC unsuitable for cone representation.
Asymmetric LDC.

| | |
|--------------------|------------------|
| η | LED |
| Efficiency | 30 lm/W |
| Direct/Indirect | ↓ 100% / ↑ 0% |
| System Power | 22 W |
| UGR | 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 |

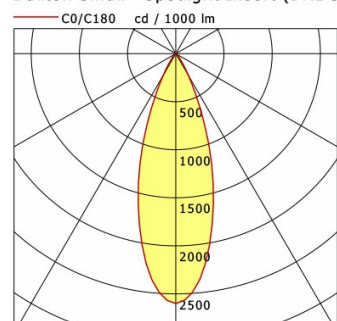
cd / 1000 lm

| 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 |

| | |
|--------------------|-------------------|
| η | LED |
| Efficiency | 66 lm/W |
| Direct/Indirect | ↓ 100% / ↑ 0% |
| System Power | 22 W |
| UGR | 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

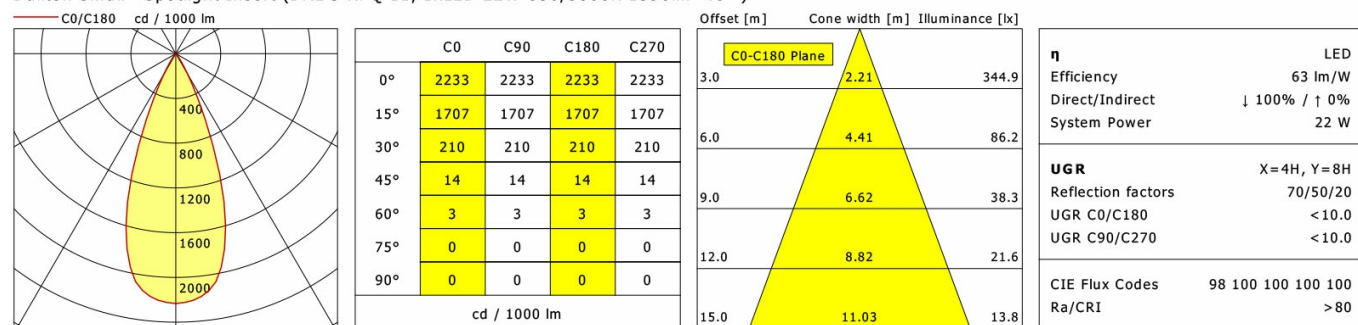
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0 | 1.84 | 413.2 |
| 6.0 | 3.68 | 103.3 |
| 9.0 | 5.52 | 45.9 |
| 12.0 | 7.36 | 25.8 |
| 15.0 | 9.20 | 16.5 |

| | |
|--------------------|--------------------|
| η | LED |
| Efficiency | 65 lm/W |
| Direct/Indirect | ↓ 100% / ↑ 0% |
| System Power | 22 W |
| UGR | 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

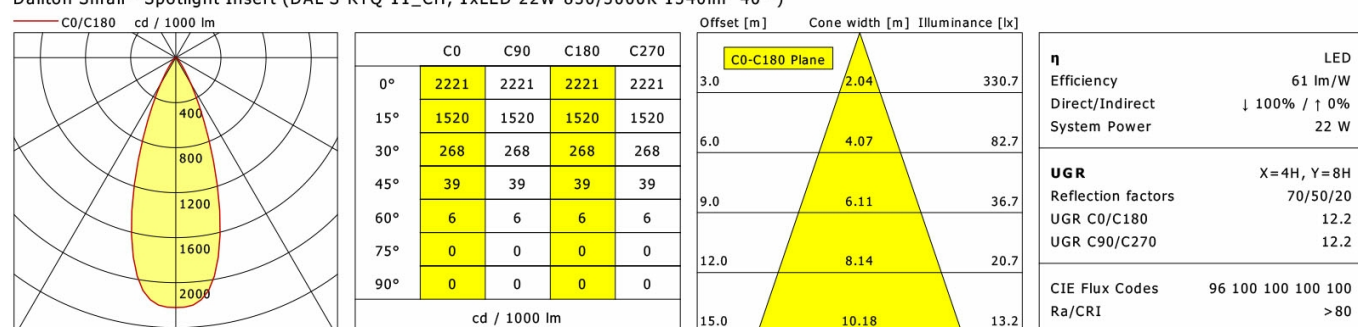
DAL-S-LK 101.830.40/DALI

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



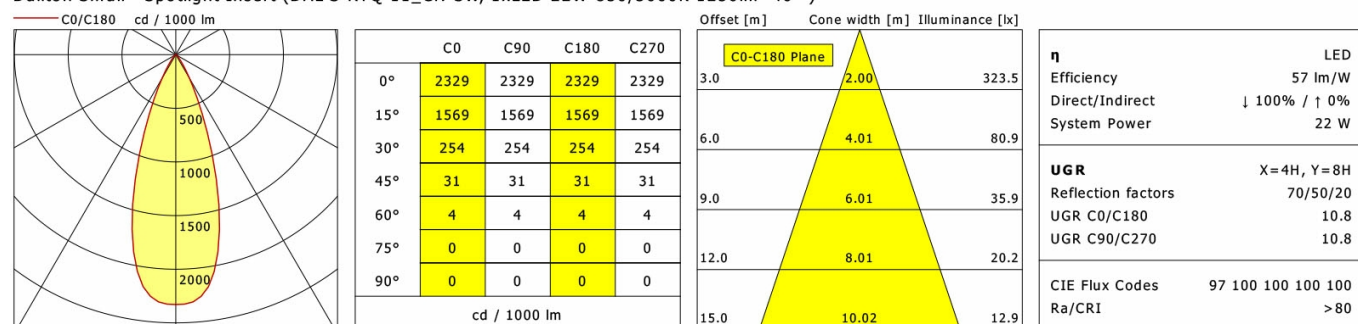
LTS

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



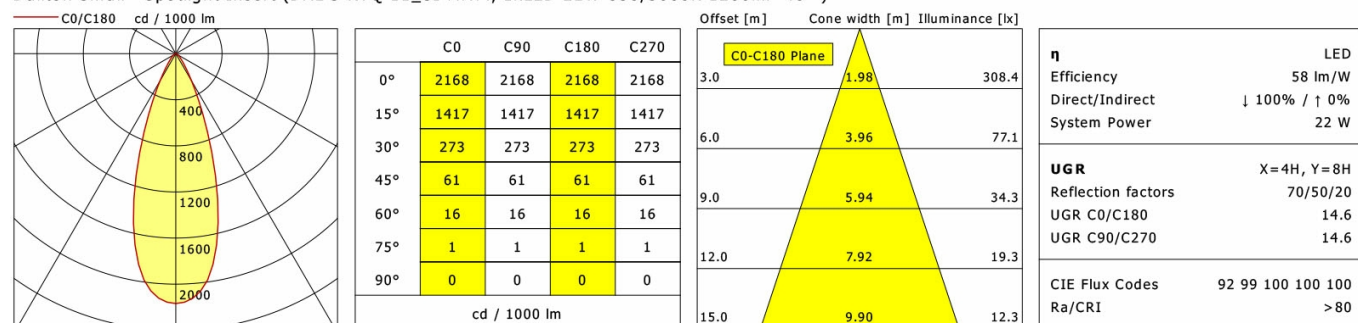
LTS

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



LTS

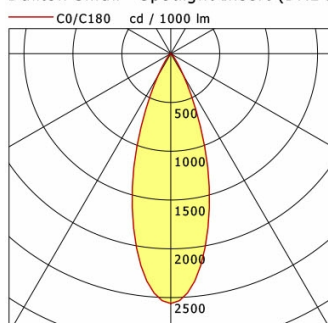
Dallton Small - Spotlight Insert (DAL-S-RTQ 11_SI-MATT, 1xLED 22W 830/3000K 1280lm 40 °)



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 |

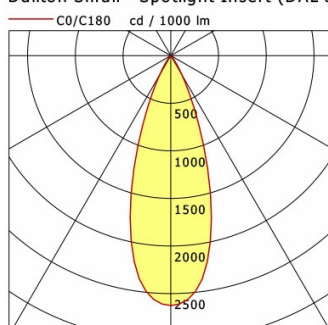
cd / 1000 lm

| 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 |

| | |
|--------------------|--------------------|
| η | LED |
| Efficiency | 63 lm/W |
| Direct/Indirect | ↓ 100% / ↑ 0% |
| System Power | 22 W |
| UGR | 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 |

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

Recessed Spotlights · Dallton Small System



DAL-S-LK 101.830.40/DALI

Accessories



DAL-S-ZBW 11.21
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