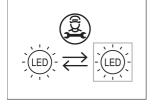
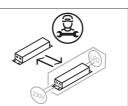
DAL-S-LK 100.840.50/DALI



| Article no. | EAN |
|-------------|---------------|
| 661034 | 4043544698513 |
| | |
| | |







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

3000 K

Special options



Lighting data / Norms

Lamps

Lifetime

System power Luminaire luminous flux System efficiency Module efficiency UGR class Beam angle Supply voltage Protection class Type of protection LED Spot / CRI 80 / 4000 K L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h 15.0 W max. 1050 lm 64.66 lm/W 160.65 lm/W ≤19 50° 220 - 240 V / 50 - 60 Hz III IP20

Dimensions / Weights

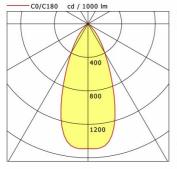
Outer diameter82 mmHeight103 mmRecessed depth135 mmDiameter of light head82 mmNet weight0.67 kgGross weight0.71 kg

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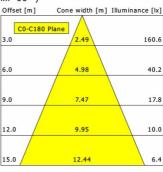
LOVE TO SHINE

DAL-S-LK 100.840.50/DALI

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_CH, 1xLED 15W 840/4000K 970lm 50 °)



| | C0 | C90 | C180 | C270 |
|-----|------|------------|------|------|
| 0° | 1490 | 1490 | 1490 | 1490 |
| 15° | 1224 | 1224 | 1224 | 1224 |
| 30° | 400 | 400 | 400 | 400 |
| 45° | 75 | 75 | 75 | 75 |
| 60° | 8 | 8 | 8 | 8 |
| 75° | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 |
| | co | i / 1000 I | m | |
| | | | | |



3.0

6.0

9.0

3.0

6.0

9.0

12.0

15.0

3.0

6.0

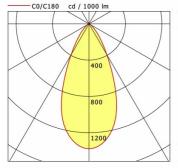
9.0

12.0

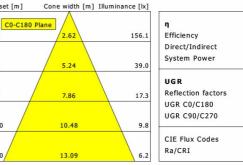
15.0

| η | LED |
|--------------------|--------------------|
| Efficiency | 65 lm/W |
| Direct/Indirect | ↓ 100% / ↑ 0% |
| System Power | 15 W |
| UGR | X=4H, Y=8H |
| Reflection factors | 70/50/20 |
| UGR C0/C180 | 15.0 |
| UGR C90/C270 | 15.0 |
| CIE Flux Codes | 93 100 100 100 100 |
| Ra/CRI | > 80 |

Dallton Small - Spotlight Insert (DAL-S-RTR 21_WS-MATT, 1xLED 15W 840/4000K 1020Im 50 °) Offset [m]

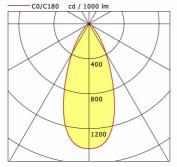


| C0 C90 C180 C270 | | | | |
|------------------|------|------|------|------|
| 0° | 1377 | 1377 | 1377 | 1377 |
| 15° | 1108 | 1108 | 1108 | 1108 |
| 30° | 392 | 392 | 392 | 392 |
| 45° | 96 | 96 | 96 | 96 |
| 60° 25 25 25 25 | | | | |
| 75° | 4 | 4 | 4 | 4 |
| 90° | 0 | 0 | 0 | 0 |
| cd / 1000 lm | | | | |



| η | LED |
|--------------------|-------------------|
| Efficiency | 68 lm/W |
| Direct/Indirect | ↓ 100% / ↑ 0% |
| System Power | 15 W |
| UGR | X=4H, Y=8H |
| Reflection factors | 70/50/20 |
| UGR C0/C180 | 18.4 |
| UGR C90/C270 | 18.4 |
| CIE Flux Codes | 88 98 100 100 100 |
| Ra/CRI | >80 |

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_WS-MATT, 1xLED 15W 840/4000K 950Im 50 °) Offset [m] Cone width [m] Illuminance [lx]

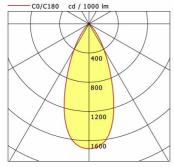


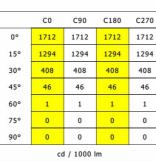
| | C0 | C90 | C180 | C270 |
|-----|------|------------|------|------|
| 0° | 1431 | 1431 | 1431 | 1431 |
| 15° | 1107 | 1107 | 1107 | 1107 |
| 30° | 384 | 384 | 384 | 384 |
| 45° | 88 | 88 | 88 | 88 |
| 60° | 36 | 36 | 36 | 36 |
| 75° | 6 | 6 | 6 | 6 |
| 90° | 0 | 0 | 0 | 0 |
| | co | i / 1000 I | m | |
| | | | | |

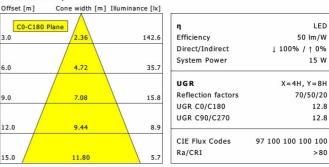
| C0-C180 | | |
|---------|-------|-------|
| 3.0 | 2.44 | 151.0 |
| 6.0 | 4.87 | 37.8 |
| 6.0 | 4.87 | 37.8 |
| 9.0 | 7.31 | 16.8 |
| 12.0 | 9.75 | 9.4 |
| 15.0 | 12.18 | 6.0 |

| η | LED | |
|--------------------|-------------------|--|
| Efficiency | 63 lm/W | |
| Direct/Indirect | ↓ 100% / ↑ 0% | |
| System Power | 15 W | |
| UGR | X=4H, Y=8H | |
| Reflection factors | 70/50/20 | |
| UGR C0/C180 | 17.8 | |
| UGR C90/C270 | 17.8 | |
| CIE Flux Codes | 87 97 100 100 100 | |
| Ra/CRI | >80 | |

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_SW-MATT, 1xLED 15W 840/4000K 750lm 50 °)





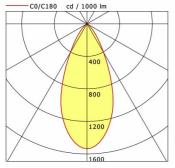


LTS

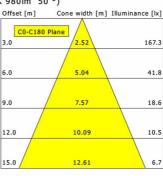


DAL-S-LK 100.840.50/DALI

Dallton Small - Spotlight Insert (DAL-S-RTR 21_SI-MATT, 1xLED 15W 840/4000K 980lm 50 °)

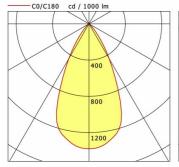


| | C0 | C90 | C180 | C270 |
|-----|------|------------|------|------|
| 0° | 1537 | 1537 | 1537 | 1537 |
| 15° | 1172 | 1172 | 1172 | 1172 |
| 30° | 407 | 407 | 407 | 407 |
| 45° | 83 | 83 | 83 | 83 |
| 60° | 6 | 6 | 6 | 6 |
| 75° | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 |
| | co | i / 1000 I | m | |
| | | | | |

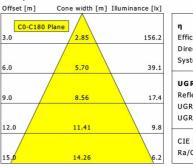


| η | LED | |
|------------------------|--------------------|--|
| Efficiency | 65 lm/W | |
| Direct/Indirect 100% / | | |
| System Power | 15 W | |
| UGR | X=4H, Y=8H | |
| Reflection factors | 70/50/2 | |
| UGR C0/C180 | 16.4 | |
| UGR C90/C270 | 16.4 | |
| CIE Flux Codes | 93 100 100 100 100 | |
| Ra/CRI | >80 | |

Dallton Small - Spotlight Insert (DAL-S-RFQ 11, 1xLED 15W 840/4000K 1020lm 50 °)

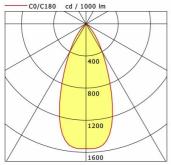


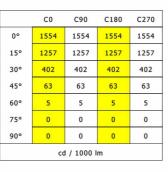
| | C0 | C90 | C180 | C270 |
|-----|------|------------|------|------|
| 0° | 1379 | 1379 | 1379 | 1379 |
| 15° | 1230 | 1230 | 1230 | 1230 |
| 30° | 444 | 444 | 444 | 444 |
| 45° | 46 | 46 | 46 | 46 |
| 60° | 2 | 2 | 2 | 2 |
| 75° | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 |
| | co | i / 1000 I | m | |



| η | LEC | |
|--------------------|--------------------|--|
| Efficiency | 68 lm/W | |
| Direct/Indirect | ↓ 100% / ↑ 0% | |
| System Power | 15 W | |
| UGR | X=4H, Y=8 | |
| Reflection factors | 70/50/2 | |
| UGR C0/C180 | 14.1 | |
| UGR C90/C270 | 14.1 | |
| CIE Flux Codes | 97 100 100 100 100 | |
| Ra/CRI | >80 | |

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_CH-SW, 1xLED 15W 840/4000K 910Im 50 °)

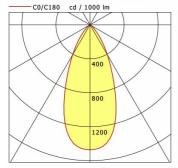


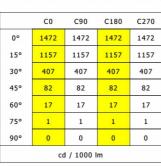


| Offset [m] | Cone width [m] I | lluminance [lx] | |
|------------|------------------|-----------------|------------|
| C0-C180 | Plane | 157.2 | η Effic |
| 3.0 | 2.45 | 157.2 | Dire |
| | | | |
| 6.0 | 4.91 | 39.3 | Syst |
| | | | UGF |
| 9.0 | 7.36 | 17.5 | Refle |
| | | | UGR |
| 12.0 | 9.81 | 9.8 | UGR |
| | | | CIE |
| 15.0 | 12.26 | 6.3 | Ra/C |

| η | LED | |
|--------------------|--------------------|--|
| Efficiency | 61 lm/W | |
| Direct/Indirect | ↓ 100% / ↑ 0% | |
| System Power | 15 W | |
| UGR | X=4H, Y=8H | |
| Reflection factors | 70/50/20 | |
| UGR C0/C180 | 14.3 | |
| UGR C90/C270 | 14.3 | |
| CIE Flux Codes | 95 100 100 100 100 | |
| Ra/CRI | > 80 | |

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_SI-MATT, 1xLED 15W 840/4000K 940Im 50 °)





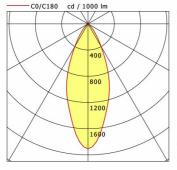
| Cone width [m] | Iluminance [lx] | | |
|----------------|--|--|---|
| | | η | LED |
| 2.47 | 153.7 | Efficiency | 63 lm/W |
| | | Direct/Indirect | ↓ 100% / ↑ 0% |
| 4.95 | 38.4 | System Power | 15 W |
| | | UGR | X=4H, Y=8H |
| 7.42 | 17.1 | Reflection factors | 70/50/20 |
| | | UGR C0/C180 | 15.7 |
| | | UGR C90/C270 | 15.7 |
| 9.90 | 9.6 | | |
| | | CIE Flux Codes | 91 99 100 100 100 |
| 12.37 | 6.1 | Ra/CRI | >80 |
| | ² lane 2.47 4.95 7.42 9.90 | 2.47 153.7 4.95 38.4 7.42 17.1 9.90 9.6 | Plane P 2.47 153.7 4.95 38.4 7.42 17.1 9.90 9.6 CIE Flux Codes Ba/CBI |

LTS

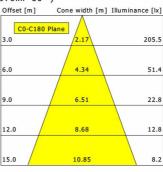


DAL-S-LK 100.840.50/DALI

Dallton Small - Spotlight Insert (DAL-S-RTR 21_CH-SW, 1xLED 15W 840/4000K 970Im 50 °)



| | C0 | C90 | C180 | C270 |
|-----|------|------------|------|------|
| 0° | 1907 | 1907 | 1907 | 1907 |
| 15° | 1203 | 1203 | 1203 | 1203 |
| 30° | 398 | 398 | 398 | 398 |
| 45° | 68 | 68 | 68 | 68 |
| 60° | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 |
| | co | i / 1000 I | m | |
| | | | | |



C0-C180 Plane

3.0

6.0

9.0

12.0

15.0

3.0

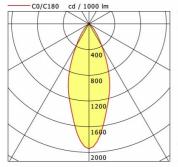
6.0

9.0

15

| η | LEC | |
|--------------------|--------------------|--|
| Efficiency | 65 lm/W | |
| Direct/Indirect | ↓ 100% / ↑ 0% | |
| System Power | 15 W | |
| UGR | X=4H, Y=8H | |
| Reflection factors | 70/50/20 | |
| UGR C0/C180 | 15. | |
| UGR C90/C270 | 15. | |
| CIE Flux Codes | 95 100 100 100 100 | |
| Ra/CRI | > 80 | |

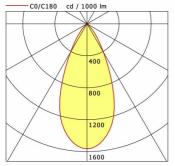
Dallton Small - Spotlight Insert (DAL-S-RTR 21_CH, 1xLED 15W 840/4000K 1000Im 50 °) Offset [m]



| C0 C90 C180 C270 | | | C270 | |
|------------------|------|------|------|------|
| 0° | 1945 | 1945 | 1945 | 1945 |
| 15° | 1187 | 1187 | 1187 | 1187 |
| 30° | 397 | 397 | 397 | 397 |
| 45° | 71 | 71 | 71 | 71 |
| 60° | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 |
| cd / 1000 lm | | | | |

| Cone width [m] Illuminanc | e [lx] | | |
|---------------------------|--------|----------------------------------|---------------------------|
| lane | 216.1 | η Efficiency | LED 67 Im/W |
| 4.20 | 54.0 | Direct/Indirect System Power | ↓ 100% / ↑ 0% 15 W |
| 6.30 | 24.0 | UGR Reflection factors | X=4H, Y=8H 70/50/20 |
| 8.40 | 13.5 | UGR C0/C180 UGR C90/C270 | 15.8 15.8 |
| 10.49 | 8.6 | CIE Flux Codes Ra/CRI | 95 100 100 100 100 >80 |
| , | | L | LTS |

Dallton Small - Spotlight Insert (DAL-S-RTR 21_SW-MATT, 1xLED 15W 840/4000K 850lm 50 °)

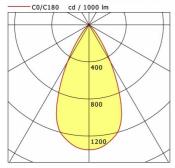


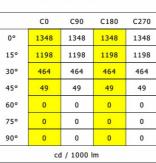
| | C0 | C90 | C180 | C270 |
|-----|------|------------|------|------|
| 0° | 1564 | 1564 | 1564 | 1564 |
| 15° | 1249 | 1249 | 1249 | 1249 |
| 30° | 410 | 410 | 410 | 410 |
| 45° | 63 | 63 | 63 | 63 |
| 60° | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 |
| | co | i / 1000 I | m | |
| | | | | |

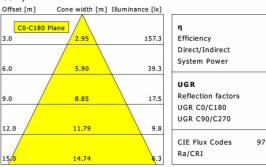
| Offset [m] | Cone width [m] II | luminance [lx] |
|------------|-------------------|----------------|
| C0-C180 | | |
| 3.0 | 2.57 | 147.7 |
| | | |
| 6.0 | 5.15 | 36.9 |
| 9.0 | 7.72 | 16.4 |
| 12.0 | 10.29 | 9.2 |
| 15.0 | 12.86 | 5.9 |

| η | LED | |
|--------------------|--------------------|--|
| Efficiency | 57 lm/W | |
| Direct/Indirect | ↓ 100% / ↑ 0% | |
| System Power | 15 W | |
| UGR | X=4H, Y=8H | |
| Reflection factors | 70/50/20 | |
| UGR C0/C180 | 15.0 | |
| UGR C90/C270 | 15.0 | |
| CIE Flux Codes | 96 100 100 100 100 | |
| Ra/CRI | > 80 | |

Dallton Small - Spotlight Insert (DAL-S-RFR 21, 1xLED 15W 840/4000K 1050lm 50 °)







| η | LED |
|--------------------|--------------------|
| Efficiency | 70 lm/W |
| Direct/Indirect | ↓ 100% / ↑ 0% |
| System Power | 15 W |
| UGR | X=4H, Y=8H |
| Reflection factors | 70/50/20 |
| UGR C0/C180 | 15.8 |
| UGR C90/C270 | 15.8 |
| CIE Flux Codes | 97 100 100 100 100 |
| Ra/CRI | >80 |
| | LT |

Recessed Spotlights · Dallton Small System

DAL-S-LK 100.840.50/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

