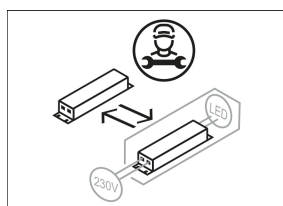
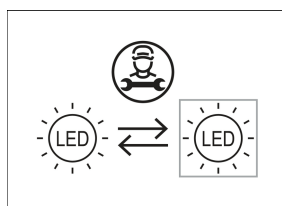


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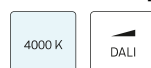
Farbe	Artikelnummer	EAN
silber	661023	4043544698407



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
- 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) inklusive (Platzierung extern)

Standardoptionen



Sonderoptionen



Lichttechnik / Normen

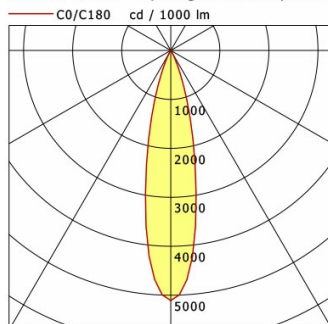
Leuchtmittel	LED Spot / CRI 80 / 3000 K
EPREL Lichtquellen	992480
Lebensdauer	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
Systemleistung	15.0 W
Leuchten-Lichtstrom	max. 1150 lm
Systemeffizienz	74.00 lm/W
Moduleffizienz	157.83 lm/W
UGR Klasse	≤16
Abstrahlwinkel	20°
Versorgungsspannung	220 - 240 V / 50 - 60 Hz
Schutzklasse	III
Schutzart	IP20

Abmessungen / Gewichte

Außendurchmesser	82 mm
Höhe	103 mm
Einbautiefe	135 mm
Durchmesser Lichtkopf	82 mm
Nettogewicht	0.65 kg
Bruttogewicht	0.69 kg

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Dallton Small - Spotlight Insert (DAL-S-RFR 21, 1xLED 15W 830/3000K 1110lm 20 °)



	C0	C90	C180	C270
0°	5108	5108	5108	5108
15°	1640	1640	1640	1640
30°	76	76	76	76
45°	10	10	10	10
60°	1	1	1	1
75°	1	1	1	1
90°	0	0	0	0

cd / 1000 lm

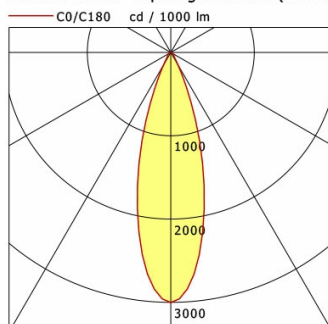
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.21	630.0
6.0	2.43	157.5
9.0	3.64	70.0
12.0	4.86	39.4
15.0	6.07	25.2

C0-C180 Plane

η	LED
Efficiency	74 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	15 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

Dallton Small - Spotlight Insert (DAL-S-RTR 21_WS-MATT, 1xLED 15W 830/3000K 1150lm 20 °)



	C0	C90	C180	C270
0°	3002	3002	3002	3002
15°	1513	1513	1513	1513
30°	171	171	171	171
45°	51	51	51	51
60°	23	23	23	23
75°	4	4	4	4
90°	0	0	0	0

cd / 1000 lm

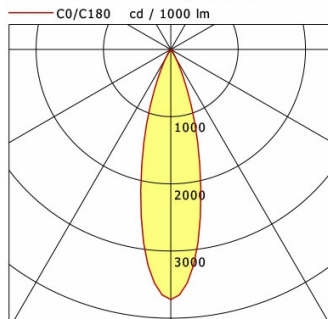
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.62	383.6
6.0	3.24	95.9
9.0	4.85	42.6
12.0	6.47	24.0
15.0	8.09	15.3

C0-C180 Plane

η	LED
Efficiency	77 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	15 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.1
UGR C90/C270	16.1
CIE Flux Codes	92 98 100 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RTR 21_CH, 1xLED 15W 830/3000K 1130lm 20 °)



	C0	C90	C180	C270
0°	3722	3722	3722	3722
15°	1616	1616	1616	1616
30°	152	152	152	152
45°	26	26	26	26
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

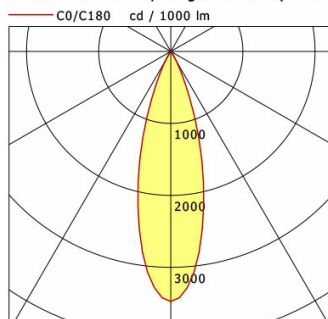
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.45	467.3
6.0	2.90	116.8
9.0	4.36	51.9
12.0	5.81	29.2
15.0	7.26	18.7

C0-C180 Plane

η	LED
Efficiency	75 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	15 W
UGR	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

Dallton Small - Spotlight Insert (DAL-S-RTR 21_SW-MATT, 1xLED 15W 830/3000K 970lm 20 °)



	C0	C90	C180	C270
0°	3475	3475	3475	3475
15°	1714	1714	1714	1714
30°	149	149	149	149
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	1.59	374.5
6.0	3.18	93.6
9.0	4.77	41.6
12.0	6.37	23.4
15.0	7.96	15.0

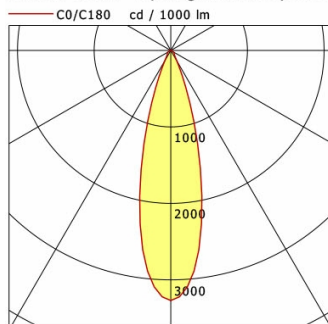
C0-C180 Plane

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	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	99 100 100 100 100
Ra/CRI	>80

LTS

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Dallton Small - Spotlight Insert (DAL-S-RTQ 11_WS-MATT, 1xLED 15W 830/3000K 1020lm 20 °)



	C0	C90	C180	C270
0°	3270	3270	3270	3270
15°	1430	1430	1430	1430
30°	156	156	156	156
45°	64	64	64	64
60°	36	36	36	36
75°	5	5	5	5
90°	0	0	0	0

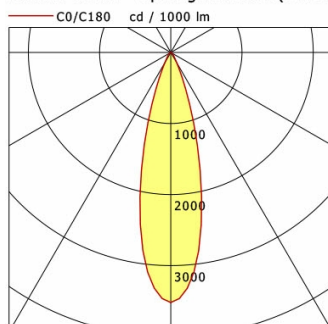
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.48	370.6
6.0	2.95	92.7
9.0	4.43	41.2
12.0	5.90	23.2
15.0	7.38	14.8

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	16.7
UGR C90/C270	16.7
CIE Flux Codes	89 97 100 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_SI-MATT, 1xLED 15W 830/3000K 1010lm 20 °)



	C0	C90	C180	C270
0°	3520	3520	3520	3520
15°	1522	1522	1522	1522
30°	167	167	167	167
45°	48	48	48	48
60°	14	14	14	14
75°	1	1	1	1
90°	0	0	0	0

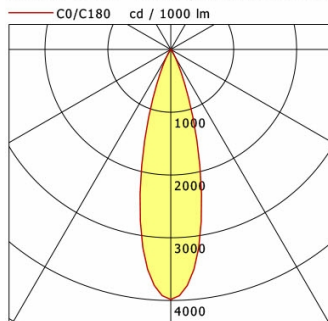
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.47	395.0
6.0	2.93	98.7
9.0	4.40	43.9
12.0	5.86	24.7
15.0	7.33	15.8

η	LED
Efficiency	67 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	15 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	11.9
UGR C90/C270	11.9
CIE Flux Codes	94 99 100 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_SW-MATT, 1xLED 15W 830/3000K 800lm 20 °)



	C0	C90	C180	C270
0°	3984	3984	3984	3984
15°	1703	1703	1703	1703
30°	129	129	129	129
45°	11	11	11	11
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

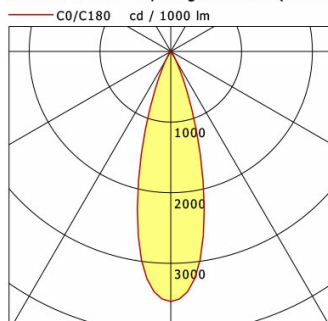
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.46	354.2
6.0	2.92	88.5
9.0	4.37	39.4
12.0	5.83	22.1
15.0	7.29	14.2

η	LED
Efficiency	53 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	15 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

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_CH-SW, 1xLED 15W 830/3000K 1000lm 20 °)



	C0	C90	C180	C270
0°	3541	3541	3541	3541
15°	1694	1694	1694	1694
30°	139	139	139	139
45°	22	22	22	22
60°	3	3	3	3
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

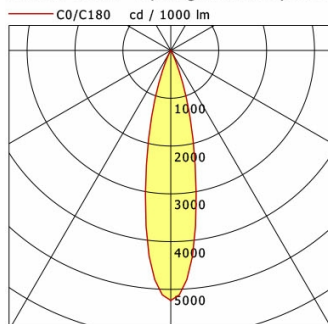
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.56	393.4
6.0	3.13	98.4
9.0	4.69	43.7
12.0	6.25	24.6
15.0	7.82	15.7

η	LED
Efficiency	67 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	15 W
UGR	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

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Dallton Small - Spotlight Insert (DAL-S-RFQ 11, 1xLED 15W 830/3000K 1050lm 20 °)



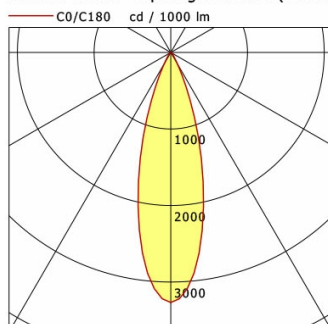
	C0	C90	C180	C270
0°	5232	5232	5232	5232
15°	1683	1683	1683	1683
30°	55	55	55	55
45°	11	11	11	11
60°	3	3	3	3
75°	1	1	1	1
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.22	610.4
6.0	2.43	152.6
9.0	3.65	67.8
12.0	4.87	38.2
15.0	6.08	24.4

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	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	99 100 100 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RTR 21_SI-MATT, 1xLED 15W 830/3000K 1100lm 20 °)



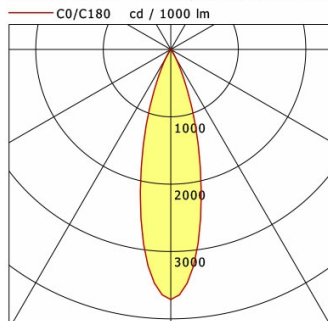
	C0	C90	C180	C270
0°	3268	3268	3268	3268
15°	1593	1593	1593	1593
30°	171	171	171	171
45°	37	37	37	37
60°	6	6	6	6
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.58	399.4
6.0	3.16	99.8
9.0	4.73	44.4
12.0	6.31	25.0
15.0	7.89	16.0

η	LED
Efficiency	73 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	15 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	11.1
UGR C90/C270	11.1
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RTR 21_CH-SW, 1xLED 15W 830/3000K 1090lm 20 °)



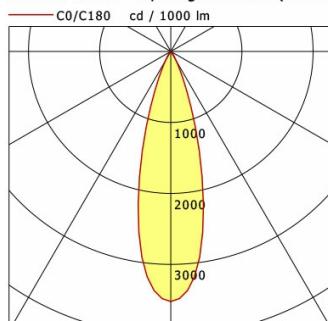
	C0	C90	C180	C270
0°	3713	3713	3713	3713
15°	1640	1640	1640	1640
30°	149	149	149	149
45°	22	22	22	22
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.47	449.6
6.0	2.94	112.4
9.0	4.41	50.0
12.0	5.88	28.1
15.0	7.35	18.0

η	LED
Efficiency	73 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	15 W
UGR	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

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_CH, 1xLED 15W 830/3000K 1040lm 20 °)



	C0	C90	C180	C270
0°	3523	3523	3523	3523
15°	1631	1631	1631	1631
30°	155	155	155	155
45°	30	30	30	30
60°	6	6	6	6
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.53	407.1
6.0	3.06	101.8
9.0	4.59	45.2
12.0	6.13	25.4
15.0	7.66	16.3

η	LED
Efficiency	69 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	15 W
UGR	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

Einbaustrahler · Dallton Small System

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Zubehör



DAL-S-ZBW 11.21
Wabenraster

