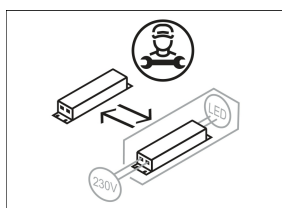
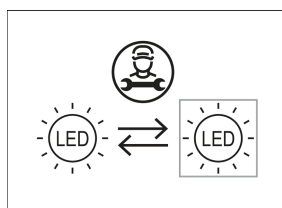


DAL-M-LK 102.840.50



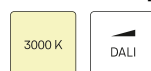
Farbe	Artikelnummer	EAN
silber	661015	4043544698322



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

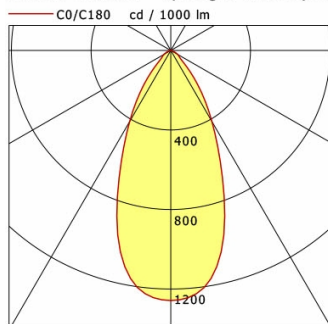
Leuchtmittel	LED Spot / CRI 80 / 4000 K
EPREL Lichtquellen	848119
Lebensdauer	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
Systemleistung	28.0 W
Leuchten-Lichtstrom	max. 2470 lm
Systemeffizienz	77.85 lm/W
Moduleffizienz	160.37 lm/W
UGR Klasse	≤22
Abstrahlwinkel	50°
Versorgungsspannung	220 - 240 V / 50 - 60 Hz
Schutzklasse	III
Schutzart	IP20

Abmessungen / Gewichte

Außendurchmesser	101 mm
Höhe	121 mm
Einbautiefe	170 mm
Durchmesser Lichtkopf	101 mm
Nettogewicht	0.87 kg
Bruttogewicht	0.92 kg

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Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_WS-MATT, 1xLED 28W 840/4000K 2290lm 50 °)



	C0	C90	C180	C270
0°	1258	1258	1258	1258
15°	1007	1007	1007	1007
30°	413	413	413	413
45°	104	104	104	104
60°	39	39	39	39
75°	7	7	7	7
90°	0	0	0	0

cd / 1000 lm

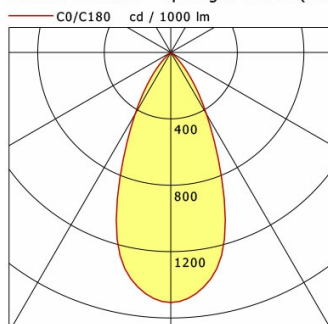
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.62	320.0
6.0	5.24	80.0
9.0	7.86	35.6
12.0	10.47	20.0
15.0	13.09	12.8

C0-C180 Plane

η	LED
Efficiency	82 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.1
UGR C90/C270	20.1
CIE Flux Codes	85 96 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_SW-MATT, 1xLED 28W 840/4000K 1960lm 50 °)



	C0	C90	C180	C270
0°	1507	1507	1507	1507
15°	1218	1218	1218	1218
30°	429	429	429	429
45°	71	71	71	71
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

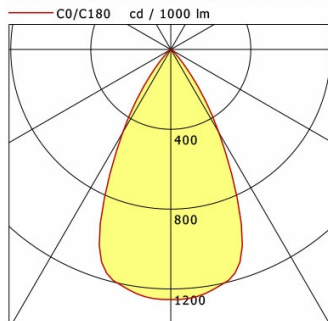
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.56	328.1
6.0	5.12	82.0
9.0	7.68	36.5
12.0	10.24	20.5
15.0	12.80	13.1

C0-C180 Plane

η	LED
Efficiency	70 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.0
UGR C90/C270	17.0
CIE Flux Codes	95 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RFR 22, 1xLED 28W 840/4000K 2470lm 50 °)



	C0	C90	C180	C270
0°	1253	1253	1253	1253
15°	1181	1181	1181	1181
30°	481	481	481	481
45°	44	44	44	44
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

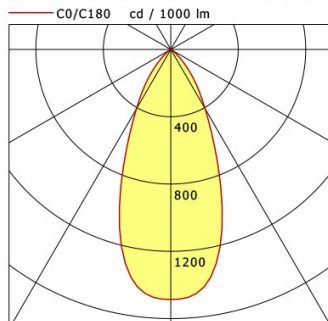
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.08	343.9
6.0	6.16	86.0
9.0	9.24	38.2
12.0	12.32	21.5
15.0	15.40	13.8

C0-C180 Plane

η	LED
Efficiency	88 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.3
UGR C90/C270	17.3
CIE Flux Codes	97 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_CH, 1xLED 28W 840/4000K 2340lm 50 °)



	C0	C90	C180	C270
0°	1486	1486	1486	1486
15°	1158	1158	1158	1158
30°	407	407	407	407
45°	99	99	99	99
60°	4	4	4	4
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.44	386.5
6.0	4.88	96.6
9.0	7.32	42.9
12.0	9.77	24.2
15.0	12.21	15.5

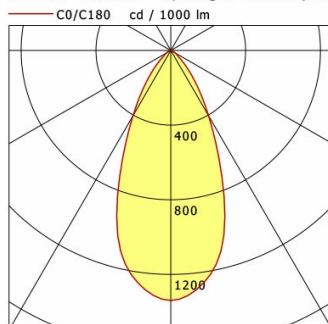
C0-C180 Plane

η	LED
Efficiency	84 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	18.6
UGR C90/C270	18.6
CIE Flux Codes	92 100 100 100 100
Ra/CRI	>80

LTS

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Dallton Medium - Spotlight Insert (DAL-M-RTR 22_WS-MATT, 1xLED 28W 840/4000K 2280lm 50 °)



	C0	C90	C180	C270
0°	1340	1340	1340	1340
15°	1071	1071	1071	1071
30°	404	404	404	404
45°	106	106	106	106
60°	28	28	28	28
75°	4	4	4	4
90°	0	0	0	0

cd / 1000 lm

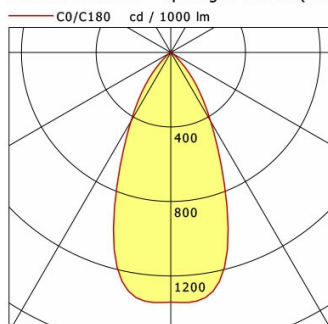
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.58	339.4
6.0	5.16	84.9
9.0	7.74	37.7
12.0	10.32	21.2
15.0	12.90	13.6

C0-C180 Plane

η	LED
Efficiency	82 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.2
UGR C90/C270	20.2
CIE Flux Codes	87 98 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_CH, 1xLED 28W 840/4000K 2320lm 50 °)



	C0	C90	C180	C270
0°	1341	1341	1341	1341
15°	1147	1147	1147	1147
30°	427	427	427	427
45°	91	91	91	91
60°	8	8	8	8
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

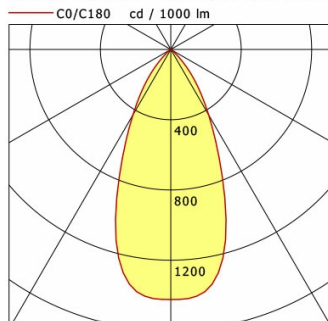
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.66	345.6
6.0	5.32	86.4
9.0	7.98	38.4
12.0	10.64	21.6
15.0	13.30	13.8

C0-C180 Plane

η	LED
Efficiency	83 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.2
UGR C90/C270	17.2
CIE Flux Codes	92 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_CH-SW, 1xLED 28W 840/4000K 2110lm 50 °)



	C0	C90	C180	C270
0°	1424	1424	1424	1424
15°	1179	1179	1179	1179
30°	430	430	430	430
45°	79	79	79	79
60°	4	4	4	4
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

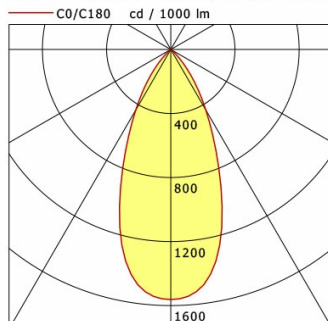
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.59	333.8
6.0	5.17	83.4
9.0	7.76	37.1
12.0	10.35	20.9
15.0	12.93	13.4

C0-C180 Plane

η	LED
Efficiency	75 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.4
UGR C90/C270	16.4
CIE Flux Codes	94 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_SW-MATT, 1xLED 28W 840/4000K 1740lm 50 °)



	C0	C90	C180	C270
0°	1562	1562	1562	1562
15°	1209	1209	1209	1209
30°	436	436	436	436
45°	61	61	61	61
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	2.47	302.0
6.0	4.93	75.5
9.0	7.40	33.6
12.0	9.86	18.9
15.0	12.33	12.1

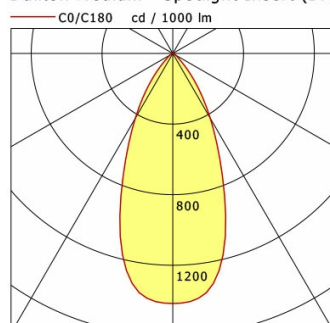
C0-C180 Plane

η	LED
Efficiency	62 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	15.2
UGR C90/C270	15.2
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

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Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_SI-MATT, 1xLED 28W 840/4000K 2140lm 50 °)



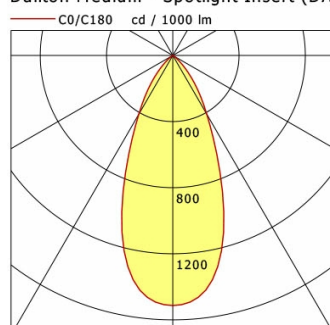
	C0	C90	C180	C270
0°	1417	1417	1417	1417
15°	1129	1129	1129	1129
30°	423	423	423	423
45°	83	83	83	83
60°	17	17	17	17
75°	1	1	1	1
90°	0	0	0	0
cd / 1000 lm				

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.53	336.9
6.0	5.06	84.2
9.0	7.58	37.4
12.0	10.11	21.1
15.0	12.64	13.5

η	LED
Efficiency	77 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.2
UGR C90/C270	17.2
CIE Flux Codes	91 99 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_CH-SW, 1xLED 28W 840/4000K 2210lm 50 °)



	C0	C90	C180	C270
0°	1513	1513	1513	1513
15°	1167	1167	1167	1167
30°	410	410	410	410
45°	94	94	94	94
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	2.43	371.6
6.0	4.87	92.9
9.0	7.30	41.3
12.0	9.74	23.2
15.0	12.17	14.9

η	LED
Efficiency	79 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	18.2
UGR C90/C270	18.2
CIE Flux Codes	93 100 100 100 100
Ra/CRI	>80

LTS

Einbaustrahler · Dalton Medium System

DAL-M-LK 102.840.50

Zubehör



DAL-M-ZBW 12.22
Wabenraster

