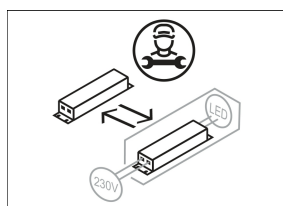
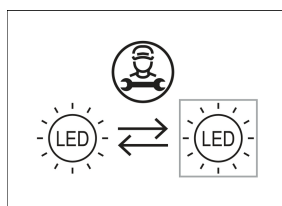


DAL-M-LK 102.840.20/DALI



Farbe	Artikelnummer	EAN
silber	661012	4043544698292



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 DALI, dimmbar) inklusive (Platzierung extern)

Standardoptionen



Sonderoptionen



Lichttechnik / Normen

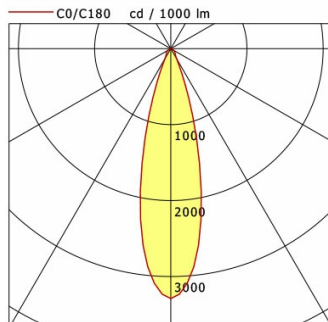
Leuchtmittel	LED Spot / CRI 80 / 4000 K
EPREL Lichtquellen	848119
Lebensdauer	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
Systemleistung	28.0 W
Leuchten-Lichtstrom	max. 2250 lm
Systemeffizienz	78.57 lm/W
Moduleffizienz	160.37 lm/W
UGR Klasse	≤16
Abstrahlwinkel	20°
Versorgungsspannung	220 - 240 V / 50 - 60 Hz
Schutzklasse	III
Schutzart	IP20

Abmessungen / Gewichte

Außendurchmesser	101 mm
Höhe	121 mm
Einbautiefe	170 mm
Durchmesser Lichtkopf	101 mm
Nettogewicht	0.91 kg
Bruttogewicht	0.96 kg

DAL-M-LK 102.840.20/DALI

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_WS-MATT, 1xLED 28W 840/4000K 2200lm 20 °)



	C0	C90	C180	C270
0°	3290	3290	3290	3290
15°	1388	1388	1388	1388
30°	155	155	155	155
45°	79	79	79	79
60°	37	37	37	37
75°	5	5	5	5
90°	0	0	0	0

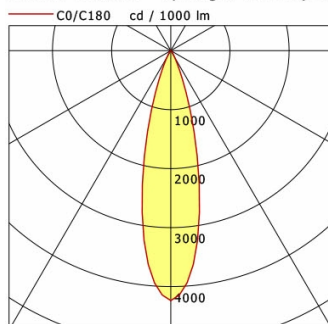
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.45	804.1
6.0	2.89	201.0
9.0	4.34	89.3
12.0	5.79	50.3
15.0	7.23	32.2

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	19.6
UGR C90/C270	19.6
CIE Flux Codes	87 97 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_CH-SW, 1xLED 28W 840/4000K 1780lm 20 °)



	C0	C90	C180	C270
0°	4237	4237	4237	4237
15°	1630	1630	1630	1630
30°	129	129	129	129
45°	24	24	24	24
60°	3	3	3	3
75°	0	0	0	0
90°	0	0	0	0

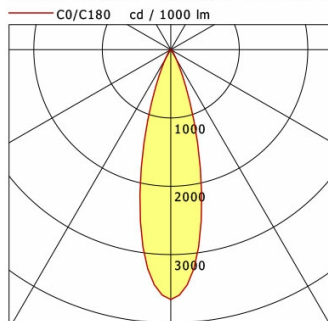
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.37	837.9
6.0	2.73	209.5
9.0	4.10	93.1
12.0	5.47	52.4
15.0	6.84	33.5

η	LED
Efficiency	64 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 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 Medium - Spotlight Insert (DAL-M-RTQ 12_CH, 1xLED 28W 840/4000K 2080lm 20 °)



	C0	C90	C180	C270
0°	3659	3659	3659	3659
15°	1595	1595	1595	1595
30°	159	159	159	159
45°	34	34	34	34
60°	6	6	6	6
75°	0	0	0	0
90°	0	0	0	0

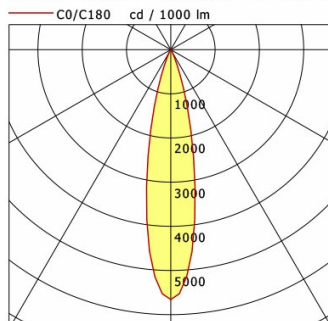
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.47	845.6
6.0	2.94	211.4
9.0	4.41	94.0
12.0	5.88	52.8
15.0	7.35	33.8

η	LED
Efficiency	74 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	10.1
UGR C90/C270	10.1
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RFQ 12, 1xLED 28W 840/4000K 1970lm 20 °)



	C0	C90	C180	C270
0°	5658	5658	5658	5658
15°	1602	1602	1602	1602
30°	67	67	67	67
45°	15	15	15	15
60°	2	2	2	2
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

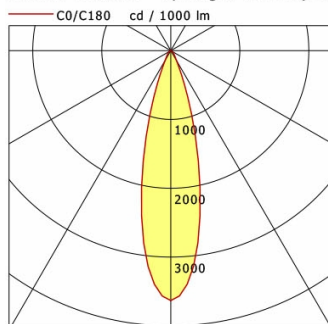
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.16	1238.5
6.0	2.32	309.6
9.0	3.48	137.6
12.0	4.65	77.4
15.0	5.81	49.5

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	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	98 100 100 100 100
Ra/CRI	>80

LTS

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Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_SI-MATT, 1xLED 28W 840/4000K 1880lm 20 °)



	C0	C90	C180	C270
0°	3632	3632	3632	3632
15°	1466	1466	1466	1466
30°	163	163	163	163
45°	60	60	60	60
60°	18	18	18	18
75°	1	1	1	1
90°	0	0	0	0

cd / 1000 lm

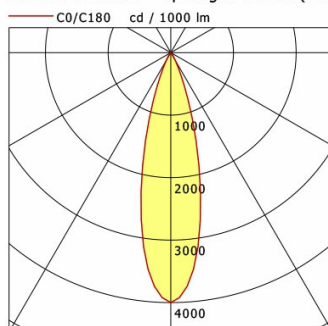
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.40	758.6
6.0	2.81	189.7
9.0	4.21	84.3
12.0	5.61	47.4
15.0	7.01	30.3

C0-C180 Plane

η	LED
Efficiency	67 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	14.0
UGR C90/C270	14.0
CIE Flux Codes	92 99 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_SW-MATT, 1xLED 28W 840/4000K 1440lm 20 °)



	C0	C90	C180	C270
0°	3999	3999	3999	3999
15°	1653	1653	1653	1653
30°	141	141	141	141
45°	19	19	19	19
60°	1	1	1	1
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

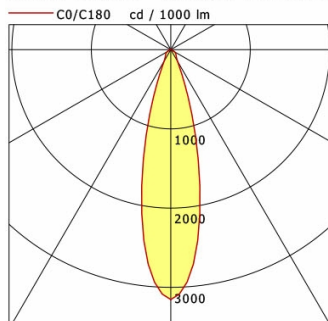
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.42	639.9
6.0	2.85	160.0
9.0	4.27	71.1
12.0	5.69	40.0
15.0	7.12	25.6

C0-C180 Plane

η	LED
Efficiency	52 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 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 Medium - Spotlight Insert (DAL-M-RTQ 12_WS-MATT, 1xLED 28W 840/4000K 2080lm 20 °)



	C0	C90	C180	C270
0°	3154	3154	3154	3154
15°	1271	1271	1271	1271
30°	169	169	169	169
45°	93	93	93	93
60°	51	51	51	51
75°	8	8	8	8
90°	0	0	0	0

cd / 1000 lm

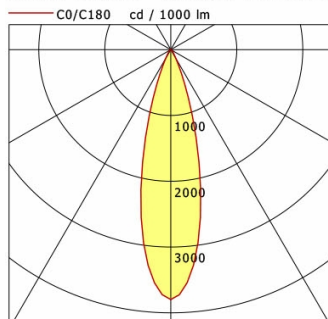
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.40	728.9
6.0	2.80	182.2
9.0	4.19	81.0
12.0	5.59	45.6
15.0	6.99	29.2

C0-C180 Plane

η	LED
Efficiency	74 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	83 96 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_CH, 1xLED 28W 840/4000K 2250lm 20 °)



	C0	C90	C180	C270
0°	3798	3798	3798	3798
15°	1576	1576	1576	1576
30°	151	151	151	151
45°	44	44	44	44
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	1.43	949.5
6.0	2.86	237.4
9.0	4.28	105.5
12.0	5.71	59.3
15.0	7.14	38.0

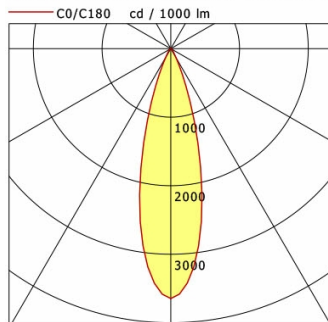
C0-C180 Plane

η	LED
Efficiency	81 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	12.4
UGR C90/C270	12.4
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

DAL-M-LK 102.840.20/DALI

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_CH-SW, 1xLED 28W 840/4000K 2120lm 20 °)



	C0	C90	C180	C270
0°	3647	3647	3647	3647
15°	1610	1610	1610	1610
30°	149	149	149	149
45°	41	41	41	41
60°	3	3	3	3
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

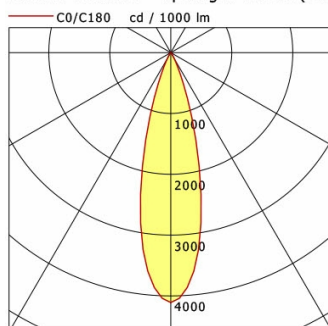
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.48	859.0
6.0	2.97	214.7
9.0	4.45	95.4
12.0	5.93	53.7
15.0	7.42	34.4

C0-C180 Plane

η	LED
Efficiency	76 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	11.5
UGR C90/C270	11.5
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_SW-MATT, 1xLED 28W 840/4000K 1710lm 20 °)



	C0	C90	C180	C270
0°	4109	4109	4109	4109
15°	1698	1698	1698	1698
30°	116	116	116	116
45°	18	18	18	18
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

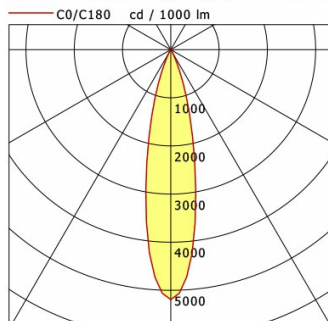
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.43	780.7
6.0	2.87	195.2
9.0	4.30	86.7
12.0	5.74	48.8
15.0	7.17	31.2

C0-C180 Plane

η	LED
Efficiency	61 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 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 Medium - Spotlight Insert (DAL-M-RFR 22, 1xLED 28W 840/4000K 2130lm 20 °)



	C0	C90	C180	C270
0°	5191	5191	5191	5191
15°	1634	1634	1634	1634
30°	71	71	71	71
45°	12	12	12	12
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

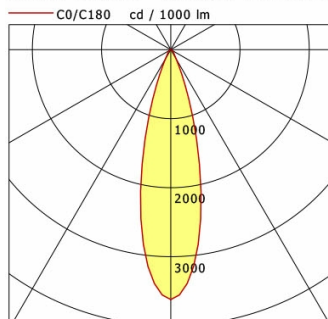
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.20	1228.6
6.0	2.40	307.1
9.0	3.60	136.5
12.0	4.80	76.8
15.0	6.00	49.1

C0-C180 Plane

η	LED
Efficiency	76 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 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 Medium - Spotlight Insert (DAL-M-RTR 22_SI-MATT, 1xLED 28W 840/4000K 2040lm 20 °)



	C0	C90	C180	C270
0°	3621	3621	3621	3621
15°	1526	1526	1526	1526
30°	152	152	152	152
45°	54	54	54	54
60°	13	13	13	13
75°	1	1	1	1
90°	0	0	0	0

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.44	820.7
6.0	2.88	205.2
9.0	4.33	91.2
12.0	5.77	51.3
15.0	7.21	32.8

C0-C180 Plane

η	LED
Efficiency	73 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	14.4
UGR C90/C270	14.4
CIE Flux Codes	93 99 100 100 100
Ra/CRI	>80

LTS

Einbaustrahler · Dalton Medium System



DAL-M-LK 102.840.20/DALI

Zubehör



DAL-M-ZBW 12.22
Wabenraster



ZB-OR DONGLE
Organic Response IR-Dongle-Set



ZB-OR GATEWAY
Organic Response IoT-Gateway Kaskadenserie



ZB-OR-R SENSOR
Organic Response Sensor für Einbaumontage