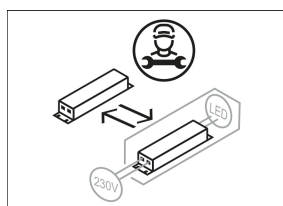
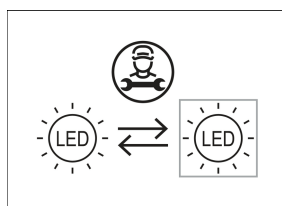


DAL-M-LK 101.840.20/DALI



Farbe	Artikelnummer	EAN
silber	660994	4043544698117



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

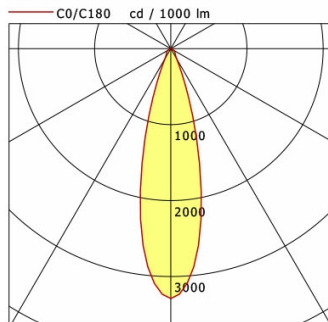
Leuchtmittel	LED Spot / CRI 80 / 4000 K
EPREL Lichtquellen	848119
Lebensdauer	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
Systemleistung	21.0 W
Leuchten-Lichtstrom	max. 1680 lm
Systemeffizienz	78.09 lm/W
Moduleffizienz	160.37 lm/W
UGR Klasse	≤16
Abstrahlwinkel	20°
Versorgungsspannung	220 - 240 V / 50 - 60 Hz
Schutzklasse	III
Schutzart	IP20

Abmessungen / Gewichte

Außendurchmesser	101 mm
Höhe	121 mm
Einbautiefe	170 mm
Durchmesser Lichtkopf	101 mm
Nettogewicht	0.89 kg
Bruttogewicht	0.94 kg

DAL-M-LK 101.840.20/DALI

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_WS-MATT, 1xLED 21W 840/4000K 1640lm 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

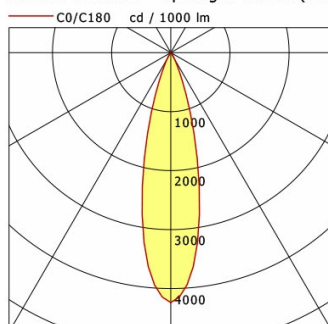
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.45	599.5
6.0	2.89	149.9
9.0	4.34	66.6
12.0	5.79	37.5
15.0	7.23	24.0

η	LED
Efficiency	78 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	18.6
UGR C90/C270	18.6
CIE Flux Codes	87 97 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_CH-SW, 1xLED 21W 840/4000K 1320lm 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

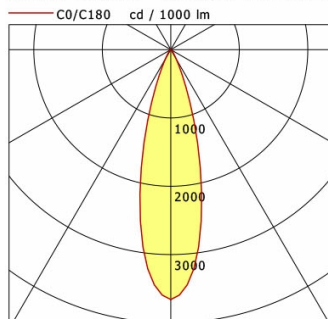
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.37	621.4
6.0	2.73	155.3
9.0	4.10	69.0
12.0	5.47	38.8
15.0	6.84	24.9

η	LED
Efficiency	63 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 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 21W 840/4000K 1560lm 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

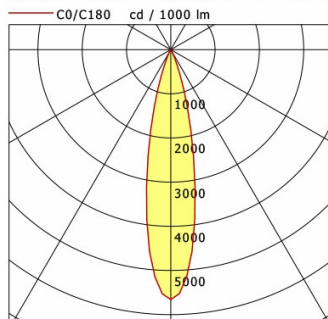
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.47	634.2
6.0	2.94	158.5
9.0	4.41	70.5
12.0	5.88	39.6
15.0	7.35	25.4

η	LED
Efficiency	74 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RFQ 12, 1xLED 21W 840/4000K 1470lm 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

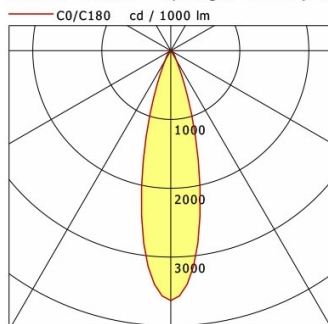
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.16	924.2
6.0	2.32	231.0
9.0	3.48	102.7
12.0	4.65	57.8
15.0	5.81	37.0

η	LED
Efficiency	70 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 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

DAL-M-LK 101.840.20/DALI

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_SI-MATT, 1xLED 21W 840/4000K 1380lm 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

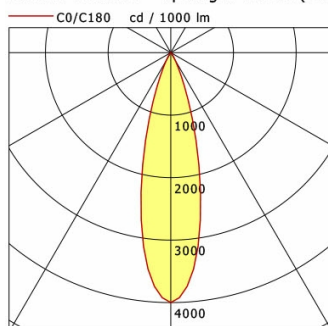
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.40	556.9
6.0	2.81	139.2
9.0	4.21	61.9
12.0	5.61	34.8
15.0	7.01	22.3

C0-C180 Plane

η	LED
Efficiency	66 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	12.9
UGR C90/C270	12.9
CIE Flux Codes	92 99 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_SW-MATT, 1xLED 21W 840/4000K 1070lm 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

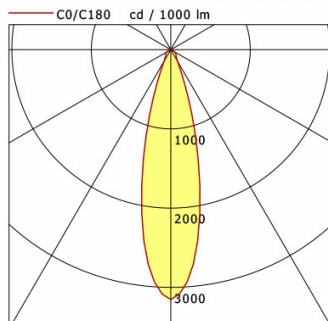
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.42	475.5
6.0	2.85	118.9
9.0	4.27	52.8
12.0	5.69	29.7
15.0	7.12	19.0

C0-C180 Plane

η	LED
Efficiency	51 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 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 21W 840/4000K 1530lm 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

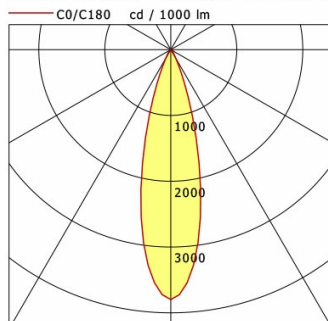
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.40	536.2
6.0	2.80	134.0
9.0	4.19	59.6
12.0	5.59	33.5
15.0	6.99	21.4

C0-C180 Plane

η	LED
Efficiency	73 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	19.1
UGR C90/C270	19.1
CIE Flux Codes	83 96 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_CH, 1xLED 21W 840/4000K 1680lm 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	708.9
6.0	2.86	177.2
9.0	4.28	78.8
12.0	5.71	44.3
15.0	7.14	28.4

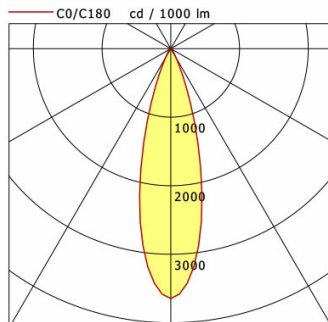
C0-C180 Plane

η	LED
Efficiency	80 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	11.4
UGR C90/C270	11.4
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

DAL-M-LK 101.840.20/DALI

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_CH-SW, 1xLED 21W 840/4000K 1620lm 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

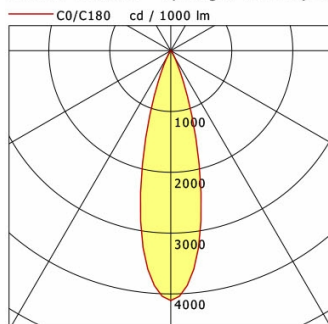
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.48	656.4
6.0	2.97	164.1
9.0	4.45	72.9
12.0	5.93	41.0
15.0	7.42	26.3

C0-C180 Plane

η	LED
Efficiency	77 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	10.6
UGR C90/C270	10.6
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_SW-MATT, 1xLED 21W 840/4000K 1280lm 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

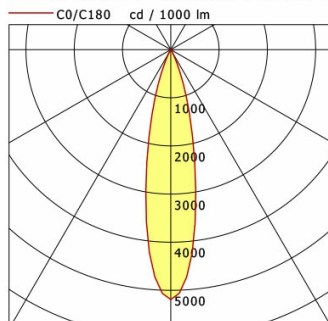
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.43	584.4
6.0	2.87	146.1
9.0	4.30	64.9
12.0	5.74	36.5
15.0	7.17	23.4

C0-C180 Plane

η	LED
Efficiency	61 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 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 21W 840/4000K 1590lm 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

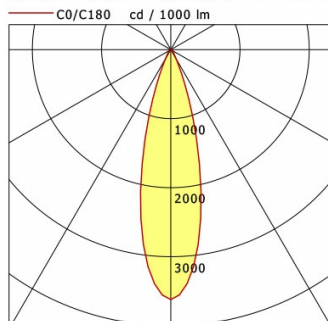
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.20	917.1
6.0	2.40	229.3
9.0	3.60	101.9
12.0	4.80	57.3
15.0	6.00	36.7

C0-C180 Plane

η	LED
Efficiency	76 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 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 21W 840/4000K 1530lm 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	615.6
6.0	2.88	153.9
9.0	4.33	68.4
12.0	5.77	38.5
15.0	7.21	24.6

C0-C180 Plane

η	LED
Efficiency	73 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	13.4
UGR C90/C270	13.4
CIE Flux Codes	93 99 100 100 100
Ra/CRI	>80

LTS

Einbaustrahler · Dalton Medium System



DAL-M-LK 101.840.20/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