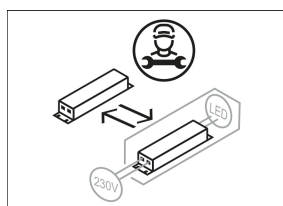
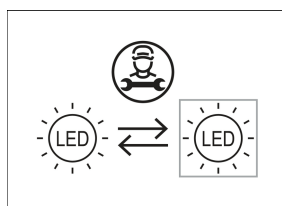


DAL-M-LK 101.830.50/DALI



Farbe	Artikelnummer	EAN
silber	660992	4043544698094



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

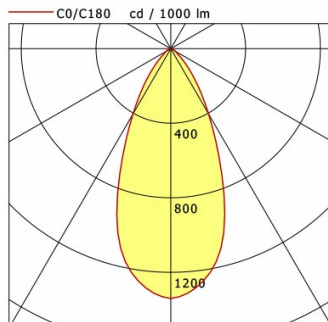
Leuchtmittel	LED Spot / CRI 80 / 3000 K
EPREL Lichtquellen	848117
Lebensdauer	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
Systemleistung	21.0 W
Leuchten-Lichtstrom	max. 1770 lm
Systemeffizienz	77.14 lm/W
Moduleffizienz	156.64 lm/W
UGR Klasse	≤19
Abstrahlwinkel	50°
Versorgungsspannung	220 - 240 V / 50 - 60 Hz
Schutzklasse	III
Schutzart	IP20

Abmessungen / Gewichte

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

DAL-M-LK 101.830.50/DALI

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_WS-MATT, 1xLED 21W 830/3000K 1620lm 50 °)



	C0	C90	C180	C270
0°	1341	1341	1341	1341
15°	1069	1069	1069	1069
30°	404	404	404	404
45°	105	105	105	105
60°	28	28	28	28
75°	4	4	4	4
90°	0	0	0	0

cd / 1000 lm

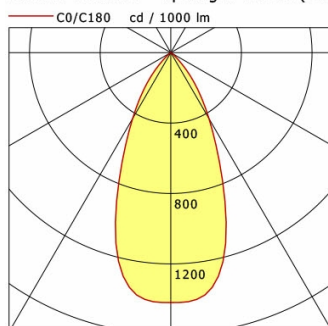
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.58	241.3
6.0	5.16	60.3
9.0	7.73	26.8
12.0	10.31	15.1
15.0	12.89	9.7

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	19.0
UGR C90/C270	19.0
CIE Flux Codes	87 98 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_CH-SW, 1xLED 21W 830/3000K 1490lm 50 °)



	C0	C90	C180	C270
0°	1420	1420	1420	1420
15°	1178	1178	1178	1178
30°	432	432	432	432
45°	78	78	78	78
60°	4	4	4	4
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

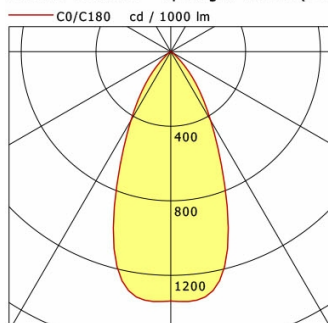
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.59	235.0
6.0	5.19	58.8
9.0	7.78	26.1
12.0	10.37	14.7
15.0	12.97	9.4

C0-C180 Plane

η	LED
Efficiency	71 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	15.2
UGR C90/C270	15.2
CIE Flux Codes	94 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_CH, 1xLED 21W 830/3000K 1650lm 50 °)



	C0	C90	C180	C270
0°	1338	1338	1338	1338
15°	1148	1148	1148	1148
30°	426	426	426	426
45°	92	92	92	92
60°	8	8	8	8
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

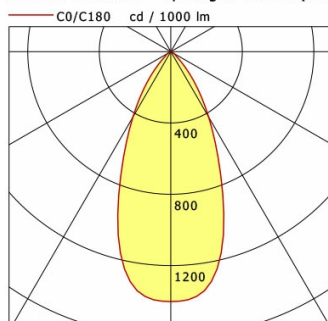
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.66	245.3
6.0	5.33	61.3
9.0	7.99	27.3
12.0	10.65	15.3
15.0	13.32	9.8

C0-C180 Plane

η	LED
Efficiency	79 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.1
UGR C90/C270	16.1
CIE Flux Codes	92 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_SI-MATT, 1xLED 21W 830/3000K 1490lm 50 °)



	C0	C90	C180	C270
0°	1402	1402	1402	1402
15°	1118	1118	1118	1118
30°	424	424	424	424
45°	86	86	86	86
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	2.54	232.1
6.0	5.08	58.0
9.0	7.62	25.8
12.0	10.16	14.5
15.0	12.70	9.3

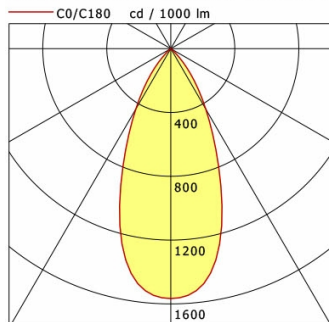
C0-C180 Plane

η	LED
Efficiency	71 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.1
UGR C90/C270	16.1
CIE Flux Codes	91 99 100 100 100
Ra/CRI	>80

LTS

DAL-M-LK 101.830.50/DALI

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_SW-MATT, 1xLED 21W 830/3000K 1220lm 50 °)



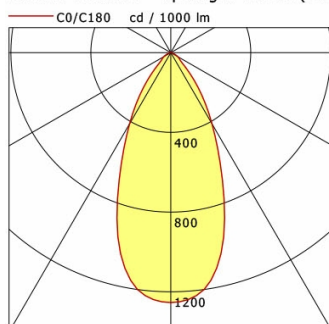
	C0	C90	C180	C270
0°	1566	1566	1566	1566
15°	1210	1210	1210	1210
30°	437	437	437	437
45°	60	60	60	60
60°	1	1	1	1
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.46	212.3
6.0	4.92	53.1
9.0	7.38	23.6
12.0	9.84	13.3
15.0	12.30	8.5

η	LED
Efficiency	58 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	13.9
UGR C90/C270	13.9
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_WS-MATT, 1xLED 21W 830/3000K 1610lm 50 °)



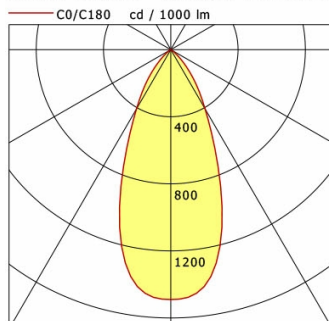
	C0	C90	C180	C270
0°	1254	1254	1254	1254
15°	1002	1002	1002	1002
30°	412	412	412	412
45°	105	105	105	105
60°	40	40	40	40
75°	7	7	7	7
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.62	224.3
6.0	5.23	56.1
9.0	7.85	24.9
12.0	10.47	14.0
15.0	13.09	9.0

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	18.9
UGR C90/C270	18.9
CIE Flux Codes	85 96 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_CH, 1xLED 21W 830/3000K 1660lm 50 °)



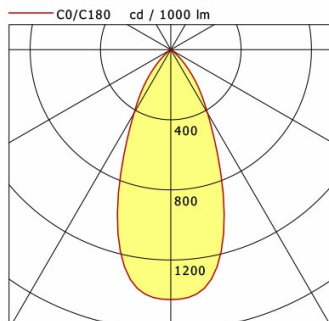
	C0	C90	C180	C270
0°	1490	1490	1490	1490
15°	1158	1158	1158	1158
30°	407	407	407	407
45°	99	99	99	99
60°	3	3	3	3
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.44	274.8
6.0	4.87	68.7
9.0	7.31	30.5
12.0	9.75	17.2
15.0	12.19	11.0

η	LED
Efficiency	79 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.4
UGR C90/C270	17.4
CIE Flux Codes	92 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_CH-SW, 1xLED 21W 830/3000K 1610lm 50 °)



	C0	C90	C180	C270
0°	1426	1426	1426	1426
15°	1140	1140	1140	1140
30°	418	418	418	418
45°	101	101	101	101
60°	2	2	2	2
75°	0	0	0	0
90°	0	0	0	0

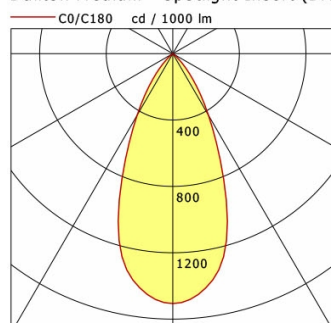
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.53	255.0
6.0	5.07	63.8
9.0	7.60	28.3
12.0	10.13	15.9
15.0	12.66	10.2

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	17.4
UGR C90/C270	17.4
CIE Flux Codes	92 100 100 100 100
Ra/CRI	>80

LTS

DAL-M-LK 101.830.50/DALI

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_SW-MATT, 1xLED 21W 830/3000K 1400lm 50 °)



	C0	C90	C180	C270
0°	1506	1506	1506	1506
15°	1219	1219	1219	1219
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

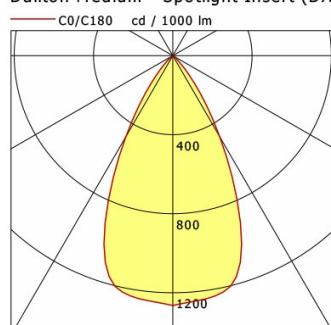
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.56	234.3
6.0	5.12	58.6
9.0	7.68	26.0
12.0	10.24	14.6
15.0	12.80	9.4

η	LED
Efficiency	67 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	15.8
UGR C90/C270	15.8
CIE Flux Codes	95 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RFR 22, 1xLED 21W 830/3000K 1770lm 50 °)



	C0	C90	C180	C270
0°	1265	1265	1265	1265
15°	1187	1187	1187	1187
30°	473	473	473	473
45°	51	51	51	51
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

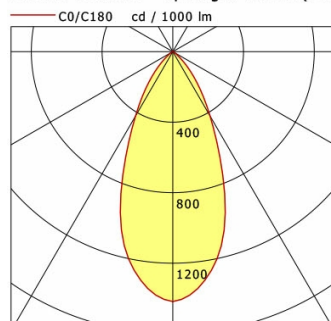
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.05	248.7
6.0	6.10	62.2
9.0	9.15	27.6
12.0	12.20	15.5
15.0	15.25	9.9

η	LED
Efficiency	84 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.3
UGR C90/C270	16.3
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_SI-MATT, 1xLED 21W 830/3000K 1560lm 50 °)



	C0	C90	C180	C270
0°	1417	1417	1417	1417
15°	1096	1096	1096	1096
30°	421	421	421	421
45°	103	103	103	103
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	2.54	245.7
6.0	5.08	61.4
9.0	7.61	27.3
12.0	10.15	15.4
15.0	12.69	9.8

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	17.7
UGR C90/C270	17.7
CIE Flux Codes	91 99 100 100 100
Ra/CRI	>80

LTS

Einbaustrahler · Dalton Medium System



DAL-M-LK 101.830.50/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