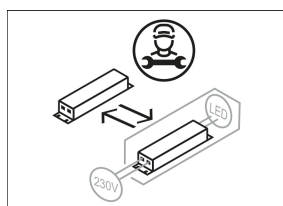
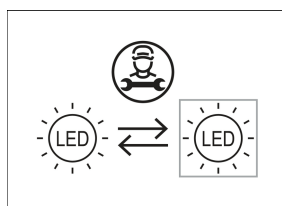


DAL-M-LK 101.840.40/DALI



Farbe	Artikelnummer	EAN
silber	660996	4043544698131



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

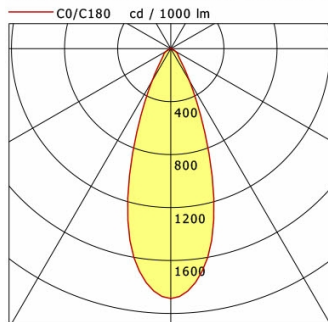
Leuchtmittel	LED Spot / CRI 80 / 4000 K
EPREL Lichtquellen	848119
Lebensdauer	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
Systemleistung	21.0 W
Leuchten-Lichtstrom	max. 1700 lm
Systemeffizienz	78.09 lm/W
Moduleffizienz	160.37 lm/W
UGR Klasse	≤16
Abstrahlwinkel	40°
Versorgungsspannung	220 - 240 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 101.840.40/DALI

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_WS-MATT, 1xLED 21W 840/4000K 1640lm 40 °)



	C0	C90	C180	C270
0°	1887	1887	1887	1887
15°	1258	1258	1258	1258
30°	282	282	282	282
45°	84	84	84	84
60°	42	42	42	42
75°	6	6	6	6
90°	0	0	0	0

cd / 1000 lm

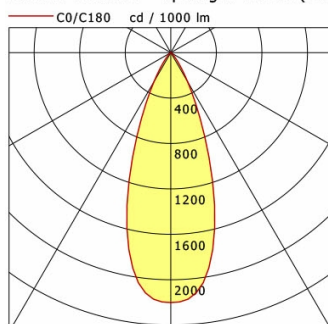
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.04	343.9
6.0	4.08	86.0
9.0	6.11	38.2
12.0	8.15	21.5
15.0	10.19	13.8

C0-C180 Plane

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	19.6
UGR C90/C270	19.6
CIE Flux Codes	86 96 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_CH-SW, 1xLED 21W 840/4000K 1360lm 40 °)



	C0	C90	C180	C270
0°	2201	2201	2201	2201
15°	1496	1496	1496	1496
30°	295	295	295	295
45°	34	34	34	34
60°	3	3	3	3
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

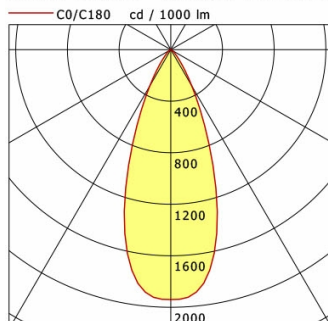
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.05	332.6
6.0	4.09	83.1
9.0	6.14	37.0
12.0	8.19	20.8
15.0	10.24	13.3

C0-C180 Plane

η	LED
Efficiency	65 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	10.5
UGR C90/C270	10.5
CIE Flux Codes	97 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_CH, 1xLED 21W 840/4000K 1580lm 40 °)



	C0	C90	C180	C270
0°	1940	1940	1940	1940
15°	1391	1391	1391	1391
30°	325	325	325	325
45°	53	53	53	53
60°	7	7	7	7
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

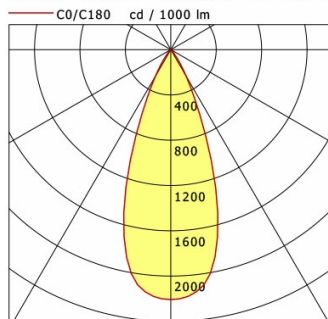
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.16	340.5
6.0	4.33	85.1
9.0	6.49	37.8
12.0	8.65	21.3
15.0	10.81	13.6

C0-C180 Plane

η	LED
Efficiency	75 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	13.0
UGR C90/C270	13.0
CIE Flux Codes	95 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RFQ 12, 1xLED 21W 840/4000K 1460lm 40 °)



	C0	C90	C180	C270
0°	2207	2207	2207	2207
15°	1606	1606	1606	1606
30°	272	272	272	272
45°	17	17	17	17
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	2.12	358.1
6.0	4.25	89.5
9.0	6.37	39.8
12.0	8.50	22.4
15.0	10.62	14.3

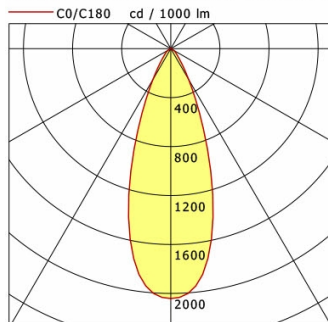
C0-C180 Plane

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 101.840.40/DALI

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_SI-MATT, 1xLED 21W 840/4000K 1370lm 40 °)



	C0	C90	C180	C270
0°	2042	2042	2042	2042
15°	1333	1333	1333	1333
30°	292	292	292	292
45°	72	72	72	72
60°	22	22	22	22
75°	2	2	2	2
90°	0	0	0	0

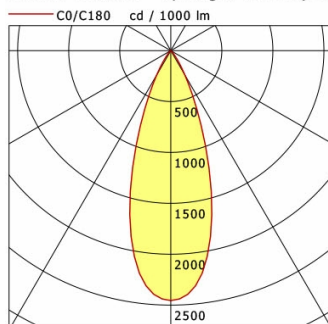
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.99	310.8
6.0	3.99	77.7
9.0	5.98	34.5
12.0	7.97	19.4
15.0	9.97	12.4

η	LED
Efficiency	65 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	14.8
UGR C90/C270	14.8
CIE Flux Codes	90 99 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_SW-MATT, 1xLED 21W 840/4000K 1050lm 40 °)



	C0	C90	C180	C270
0°	2455	2455	2455	2455
15°	1552	1552	1552	1552
30°	276	276	276	276
45°	20	20	20	20
60°	1	1	1	1
75°	0	0	0	0
90°	0	0	0	0

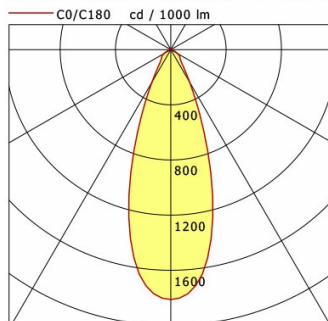
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.93	286.4
6.0	3.87	71.6
9.0	5.80	31.8
12.0	7.73	17.9
15.0	9.67	11.5

η	LED
Efficiency	50 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 1520lm 40 °)



	C0	C90	C180	C270
0°	1812	1812	1812	1812
15°	1177	1177	1177	1177
30°	272	272	272	272
45°	97	97	97	97
60°	57	57	57	57
75°	9	9	9	9
90°	0	0	0	0

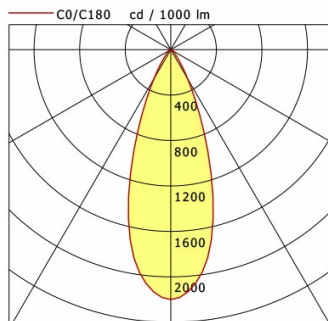
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.99	306.0
6.0	3.99	76.5
9.0	5.98	34.0
12.0	7.97	19.1
15.0	9.97	12.2

η	LED
Efficiency	72 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	19.9
UGR C90/C270	19.9
CIE Flux Codes	82 95 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_CH, 1xLED 21W 840/4000K 1700lm 40 °)



	C0	C90	C180	C270
0°	2200	2200	2200	2200
15°	1441	1441	1441	1441
30°	296	296	296	296
45°	52	52	52	52
60°	4	4	4	4
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

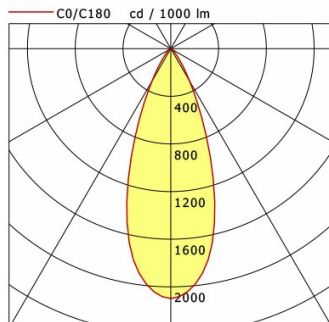
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.00	415.5
6.0	4.00	103.9
9.0	6.00	46.2
12.0	8.01	26.0
15.0	10.01	16.6

η	LED
Efficiency	81 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	95 100 100 100 100
Ra/CRI	>80

LTS

DAL-M-LK 101.840.40/DALI

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_CH-SW, 1xLED 21W 840/4000K 1650lm 40 °)



	C0	C90	C180	C270
0°	2098	2098	2098	2098
15°	1425	1425	1425	1425
30°	315	315	315	315
45°	49	49	49	49
60°	2	2	2	2
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

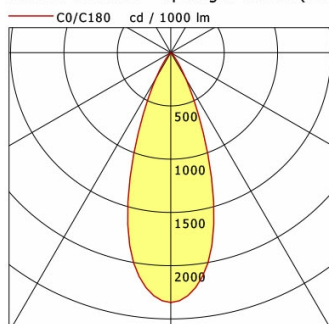
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.08	384.7
6.0	4.16	96.2
9.0	6.23	42.7
12.0	8.31	24.0
15.0	10.39	15.4

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	13.7
UGR C90/C270	13.7
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 1270lm 40 °)



	C0	C90	C180	C270
0°	2346	2346	2346	2346
15°	1563	1563	1563	1563
30°	279	279	279	279
45°	22	22	22	22
60°	1	1	1	1
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

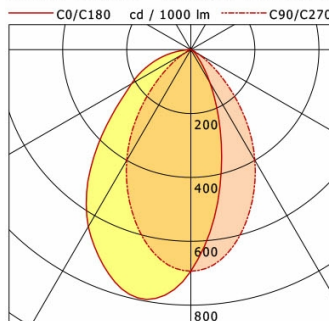
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.01	331.0
6.0	4.03	82.8
9.0	6.04	36.8
12.0	8.05	20.7
15.0	10.07	13.2

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	10.3
UGR C90/C270	10.3
CIE Flux Codes	98 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RWQ 12, 1xLED 21W 840/4000K 850lm 40 °)



	C0	C90	C180	C270
0°	694	694	694	694
15°	371	599	786	599
30°	119	400	640	400
45°	27	173	402	173
60°	5	28	214	28
75°	1	3	99	3
90°	0	0	0	0

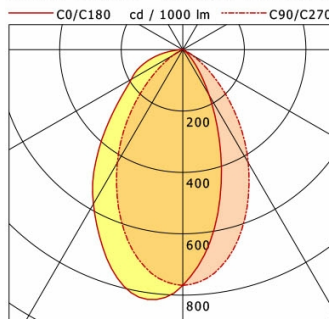
cd / 1000 lm

 LDC unsuitable for cone representation.
 Asymmetric LDC.

η	LED
Efficiency	40 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	21.2
CIE Flux Codes	66 90 98 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RWR 22, 1xLED 21W 840/4000K 990lm 40 °)



	C0	C90	C180	C270
0°	768	768	768	768
15°	476	661	784	661
30°	171	425	581	425
45°	37	184	346	184
60°	6	35	193	35
75°	1	3	100	3
90°	0	0	0	0

cd / 1000 lm

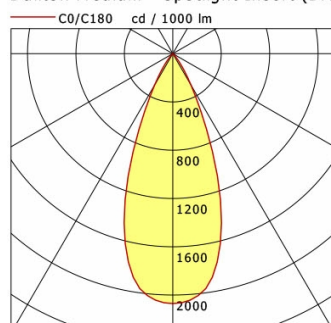
 LDC unsuitable for cone representation.
 Asymmetric LDC.

η	LED
Efficiency	47 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	10.5
UGR C90/C270	22.5
CIE Flux Codes	69 90 98 100 100
Ra/CRI	>80

LTS

DAL-M-LK 101.840.40/DALI

Dallton Medium - Spotlight Insert (DAL-M-RFR 22, 1xLED 21W 840/4000K 1600lm 40 °)



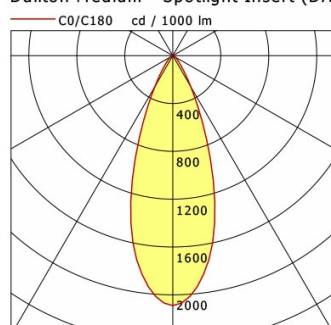
	C0	C90	C180	C270
0°	2070	2070	2070	2070
15°	1544	1544	1544	1544
30°	301	301	301	301
45°	15	15	15	15
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.23	368.1
6.0	4.47	92.0
9.0	6.70	40.9
12.0	8.94	23.0
15.0	11.17	14.7

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	11.4
UGR C90/C270	11.4
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 40 °)



	C0	C90	C180	C270
0°	2089	2089	2089	2089
15°	1359	1359	1359	1359
30°	301	301	301	301
45°	64	64	64	64
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	2.01	355.2
6.0	4.02	88.8
9.0	6.03	39.5
12.0	8.04	22.2
15.0	10.06	14.2

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	15.4
UGR C90/C270	15.4
CIE Flux Codes	92 99 100 100 100
Ra/CRI	>80

LTS

Einbaustrahler · Dalton Medium System



DAL-M-LK 101.840.40/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