

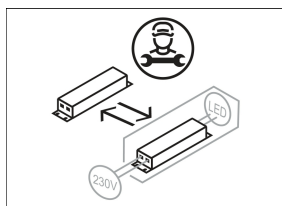
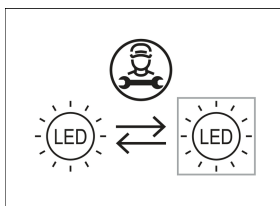
DAL-M-LK 101.830.20/DALI



Descrizione

- testa lampada girevole a 355° e direzionabile a 30° tramite vite di regolazione
- aspetto personalizzato grazie alla cornice da incasso standard o alla cornice da incasso trimless a filo nel soffitto e ai vari riflettori anteriori
- elevata facilità di manutenzione
- assenza di radiazioni termiche e UV
- gestione termica con raffreddamento passivo
- testa lampada e termodispersore pressofusi
- riflettore principale in plastica
- anello antiriflesso nero in polycarbonato per l'alloggiamento di frangiluce a nido d'ape
- disco diffusore in vetro
- innesto della testa lampada nella cornice da incasso senza attrezzi
- collegamento all'alimentatore tramite cavo lampada con connettore Mini-Clamp
- alimentatore (convertitore LED DALI, dimmerabile) incluso (posizionamento esterno)

Colori	Articolo n.	EAN
argento	660988	4043544698056



Opzioni standard



Opzioni speciali



Dati illuminotecnici / Norme

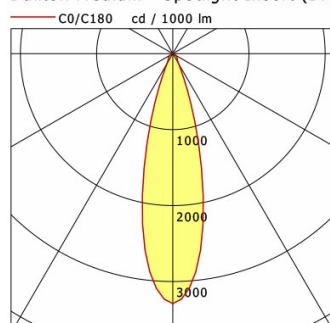
Lampade	LED Spot / CRI 80 / 3000 K
EPREL fonti luminose	848117
	L90 B50 50.000 h
	L80 B50 100.000 h
	L80 B20 50.000 h
Durata	
Prestazioni sistema	21.0 W
Flusso luminoso apparecchio	max. 1610 lm
Efficienza sistema	74.76 lm/W
Efficienza del modulo	156.64 lm/W
UGR classe	≤16
Angolo del fascio luminoso	20°
Tensione di alimentazione	220 - 240 V / 50 - 60 Hz
Classe di protezione	III
Tipo di protezione	IP20

Dimensioni / pesi

Diametro esterno	101 mm
Altezza	121 mm
Profondità di incasso	170 mm
Diametro testa lampada	101 mm
Peso netto	0.89 kg
Peso lordo	0.94 kg

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Dallton Medium - Spotlight Insert (DAL-M-RTR 22_WS-MATT, 1xLED 21W 830/3000K 1570lm 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

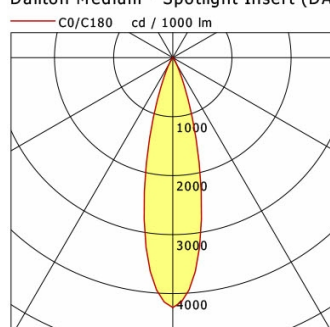
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.45	573.9
6.0	2.89	143.5
9.0	4.34	63.8
12.0	5.79	35.9
15.0	7.23	23.0

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	18.4
UGR C90/C270	18.4
CIE Flux Codes	87 97 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_CH-SW, 1xLED 21W 830/3000K 1260lm 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

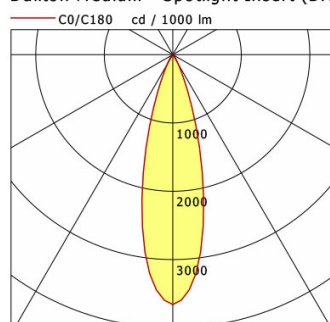
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.37	593.1
6.0	2.73	148.3
9.0	4.10	65.9
12.0	5.47	37.1
15.0	6.84	23.7

η	LED
Efficiency	60 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 830/3000K 1490lm 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

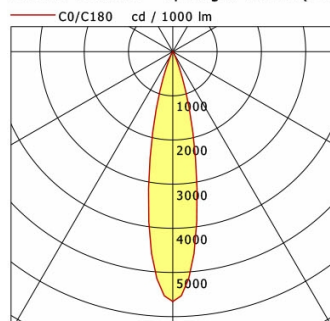
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.47	605.7
6.0	2.94	151.4
9.0	4.41	67.3
12.0	5.88	37.9
15.0	7.35	24.2

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	<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 830/3000K 1410lm 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

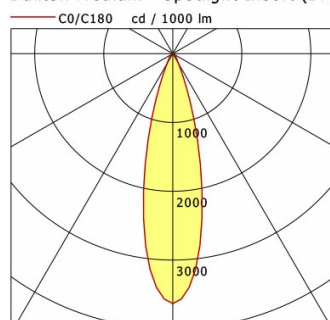
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.16	886.5
6.0	2.32	221.6
9.0	3.48	98.5
12.0	4.65	55.4
15.0	5.81	35.5

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

LTS

DAL-M-LK 101.830.20/DALI

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_SI-MATT, 1xLED 21W 830/3000K 1320lm 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

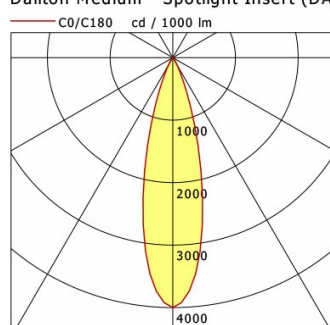
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.40	532.6
6.0	2.81	133.2
9.0	4.21	59.2
12.0	5.61	33.3
15.0	7.01	21.3

C0-C180 Plane

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	12.8
UGR C90/C270	12.8
CIE Flux Codes	92 99 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_SW-MATT, 1xLED 21W 830/3000K 1020lm 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

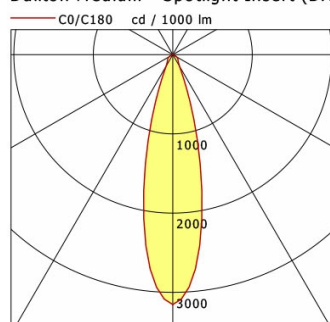
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.42	453.2
6.0	2.85	113.3
9.0	4.27	50.4
12.0	5.69	28.3
15.0	7.12	18.1

C0-C180 Plane

η	LED
Efficiency	49 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 830/3000K 1460lm 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

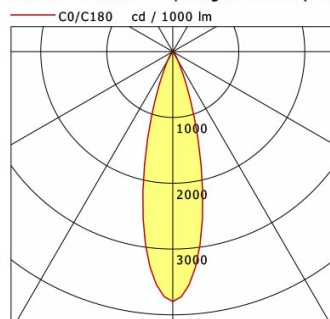
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.40	511.6
6.0	2.80	127.9
9.0	4.19	56.8
12.0	5.59	32.0
15.0	6.99	20.5

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	19.0
UGR C90/C270	19.0
CIE Flux Codes	83 96 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_CH, 1xLED 21W 830/3000K 1610lm 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	679.4
6.0	2.86	169.8
9.0	4.28	75.5
12.0	5.71	42.5
15.0	7.14	27.2

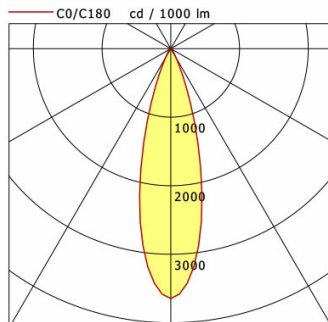
C0-C180 Plane

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	11.3
UGR C90/C270	11.3
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

DAL-M-LK 101.830.20/DALI

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_CH-SW, 1xLED 21W 830/3000K 1550lm 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

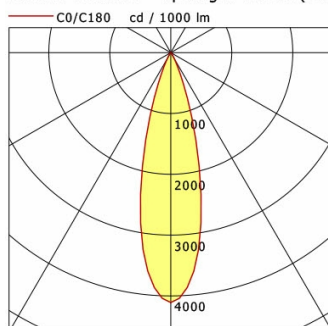
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.48	628.0
6.0	2.97	157.0
9.0	4.45	69.8
12.0	5.93	39.3
15.0	7.42	25.1

C0-C180 Plane

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	10.5
UGR C90/C270	10.5
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_SW-MATT, 1xLED 21W 830/3000K 1220lm 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

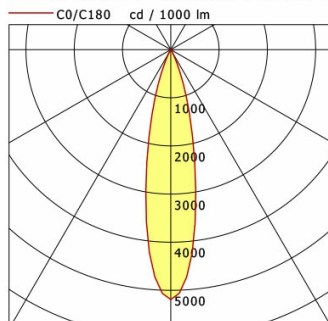
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.43	557.0
6.0	2.87	139.2
9.0	4.30	61.9
12.0	5.74	34.8
15.0	7.17	22.3

C0-C180 Plane

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	<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 830/3000K 1520lm 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

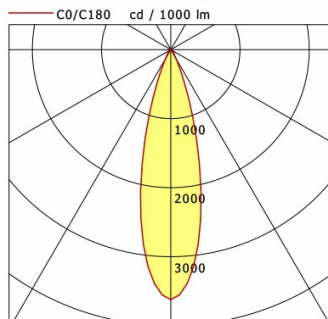
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.20	876.7
6.0	2.40	219.2
9.0	3.60	97.4
12.0	4.80	54.8
15.0	6.00	35.1

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	<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 830/3000K 1460lm 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	587.4
6.0	2.88	146.8
9.0	4.33	65.3
12.0	5.77	36.7
15.0	7.21	23.5

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	13.2
UGR C90/C270	13.2
CIE Flux Codes	93 99 100 100 100
Ra/CRI	>80

LTS

DAL-M-LK 101.830.20/DALI

Accessori



DAL-M-ZBW 12.22
Frangiluce a nido d'ape



ZB-OR DONGLE
Organic Response Kit dongle IR



ZB-OR GATEWAY
Organic Response serie a cascata gateway IoT



ZB-OR-R SENSOR
sensore Organic Response per montaggio a incasso