

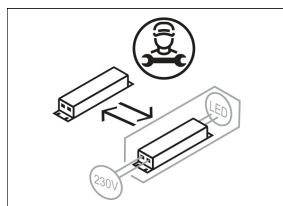
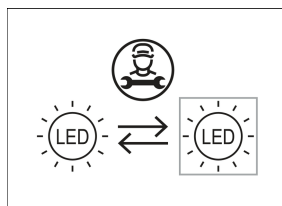
DAL-M-LK 102.830.20/DALI



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	661006	4043544698230



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	28.0 W
Flusso luminoso apparecchio	max. 2150 lm
Efficienza sistema	75.00 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

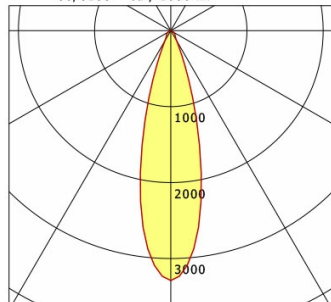
Dimensioni / pesi

Diametro esterno	101 mm
Altezza	121 mm
Profondità di incasso	170 mm
Diametro testa lampada	101 mm
Peso netto	0.91 kg
Peso lordo	0.96 kg

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Dallton Medium - Spotlight Insert (DAL-M-RTR 22_WS-MATT, 1xLED 28W 830/3000K 2100lm 20 °)

C0/C180 cd / 1000 lm



	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]

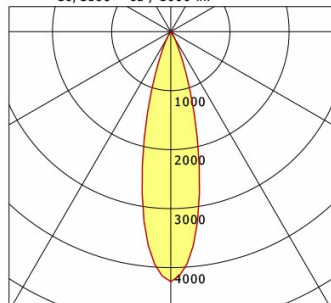
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.45	767.6
6.0	2.89	191.9
9.0	4.34	85.3
12.0	5.79	48.0
15.0	7.23	30.7

η	LED
Efficiency	75 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	19.4
UGR C90/C270	19.4
CIE Flux Codes	87 97 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_CH-SW, 1xLED 28W 830/3000K 1700lm 20 °)

C0/C180 cd / 1000 lm



	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]

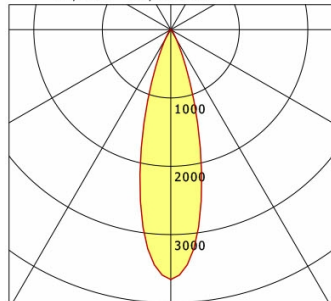
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.37	800.2
6.0	2.73	200.1
9.0	4.10	88.9
12.0	5.47	50.0
15.0	6.84	32.0

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	98 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_CH, 1xLED 28W 830/3000K 1990lm 20 °)

C0/C180 cd / 1000 lm



	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]

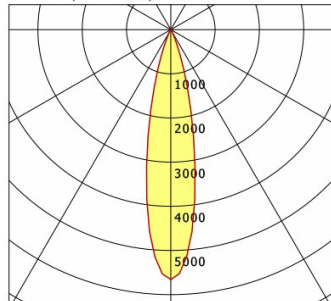
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.47	809.0
6.0	2.94	202.2
9.0	4.41	89.9
12.0	5.88	50.6
15.0	7.35	32.4

η	LED
Efficiency	71 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	96 100 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RFQ 12, 1xLED 28W 830/3000K 1890lm 20 °)

C0/C180 cd / 1000 lm



	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]

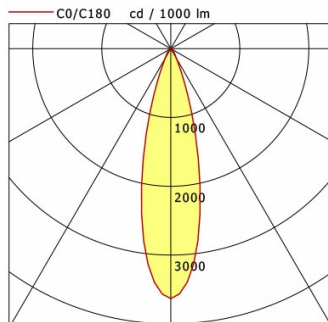
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.16	1188.2
6.0	2.32	297.1
9.0	3.48	132.0
12.0	4.65	74.3
15.0	5.81	47.5

η	LED
Efficiency	68 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 830/3000K 1800lm 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

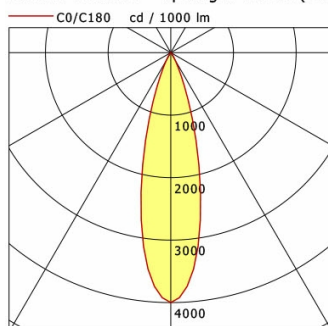
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.40	726.3
6.0	2.81	181.6
9.0	4.21	80.7
12.0	5.61	45.4
15.0	7.01	29.1

C0-C180 Plane

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	13.9
UGR C90/C270	13.9
CIE Flux Codes	92 99 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTQ 12_SW-MATT, 1xLED 28W 830/3000K 1380lm 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

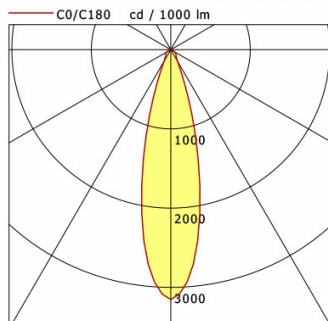
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.42	613.2
6.0	2.85	153.3
9.0	4.27	68.1
12.0	5.69	38.3
15.0	7.12	24.5

C0-C180 Plane

η	LED
Efficiency	49 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 830/3000K 1990lm 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

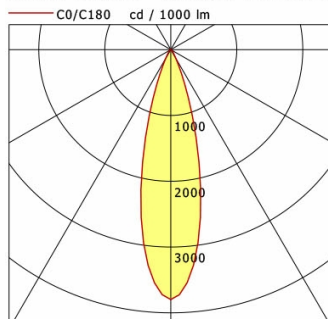
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.40	697.4
6.0	2.80	174.3
9.0	4.19	77.5
12.0	5.59	43.6
15.0	6.99	27.9

C0-C180 Plane

η	LED
Efficiency	71 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.1
UGR C90/C270	20.1
CIE Flux Codes	83 96 100 100 100
Ra/CRI	>80

LTS

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_CH, 1xLED 28W 830/3000K 2150lm 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	907.3
6.0	2.86	226.8
9.0	4.28	100.8
12.0	5.71	56.7
15.0	7.14	36.3

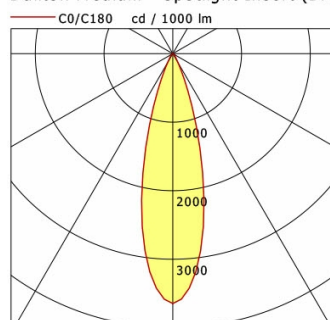
C0-C180 Plane

η	LED
Efficiency	77 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	12.3
UGR C90/C270	12.3
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

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Dallton Medium - Spotlight Insert (DAL-M-RTR 22_CH-SW, 1xLED 28W 830/3000K 2020lm 20 °)



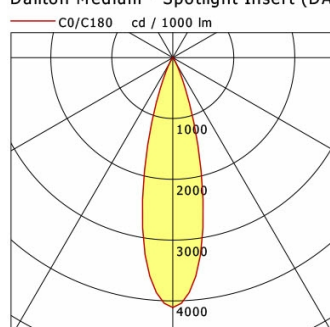
	C0	C90	C180	C270
0°	3647	3647	3647	3647
15°	1610	1610	1610	1610
30°	149	149	149	149
45°	41	41	41	41
60°	3	3	3	3
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.48	818.4
6.0	2.97	204.6
9.0	4.45	90.9
12.0	5.93	51.2
15.0	7.42	32.7

η	LED
Efficiency	72 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 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

Dallton Medium - Spotlight Insert (DAL-M-RTR 22_SW-MATT, 1xLED 28W 830/3000K 1630lm 20 °)



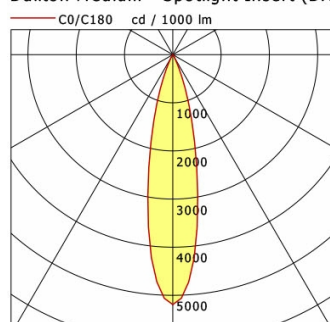
	C0	C90	C180	C270
0°	4109	4109	4109	4109
15°	1698	1698	1698	1698
30°	116	116	116	116
45°	18	18	18	18
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.43	744.2
6.0	2.87	186.0
9.0	4.30	82.7
12.0	5.74	46.5
15.0	7.17	29.8

η	LED
Efficiency	58 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 830/3000K 2030lm 20 °)



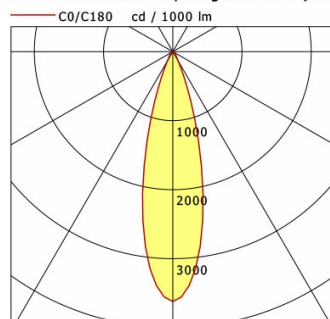
	C0	C90	C180	C270
0°	5191	5191	5191	5191
15°	1634	1634	1634	1634
30°	71	71	71	71
45°	12	12	12	12
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.20	1170.9
6.0	2.40	292.7
9.0	3.60	130.1
12.0	4.80	73.2
15.0	6.00	46.8

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	<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 830/3000K 1950lm 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	784.5
6.0	2.88	196.1
9.0	4.33	87.2
12.0	5.77	49.0
15.0	7.21	31.4

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	14.2
UGR C90/C270	14.2
CIE Flux Codes	93 99 100 100 100
Ra/CRI	>80

LTS

DAL-M-LK 102.830.20/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