

DAL-L-LK 101.830.35/DALI



Colours	Article no.	EAN
silver	660954	4043544697714



Description

- light-head rotates through 355° and swivels through 30° by adjusting screw
- individual optics by standard recessed frame or trimless recessed frame and various front reflectors
- outstanding ease of maintenance
- no UV and thermal emissions
- securing with safety rope
- thermal management with passive cooling
- light-head and heat sink made from die-cast
- main reflector made from plastic
- black anti-glare ring made from polycarbonate for accommodating honeycomb louvre
- diffuser glass pane
- light-head snaps into mounting frame without tools
- connection to ballast via luminaire cable with Mini-Clamp connector
- ballast (LED converter DALI, dimmable) included (external placement)

Standard options



Special options



Lighting data / Norms

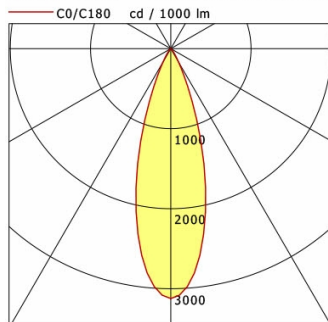
Lamps	LED Spot / CRI 80 / 3000 K
EPREL light sources	851239
Lifetime	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
System power	28.0 W
Luminaire luminous flux	max. 2210 lm
System efficiency	49.64 lm/W
Module efficiency	158.91 lm/W
UGR class	≤16
Beam angle	35°
Supply voltage	220 - 240 V / 50 - 60 Hz
Protection class	III
Type of protection	IP20

Dimensions / Weights

Outer diameter	124 mm
Height	149 mm
Recessed depth	200 mm
Diameter of light head	124 mm
Net weight	1.31 kg
Gross weight	1.38 kg

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Dallton Large - Spotlight Insert (DAL-L-RTQ 13_SW-MATT, 1xLED 28W 830/3000K 1390lm 35 °)



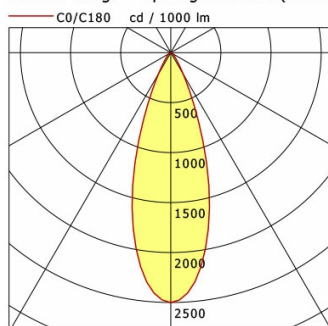
	C0	C90	C180	C270
0°	3123	3123	3123	3123
15°	1646	1646	1646	1646
30°	195	195	195	195
45°	22	22	22	22
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.67	482.3
6.0	3.35	120.6
9.0	5.02	53.6
12.0	6.69	30.1
15.0	8.36	19.3

η	LED
Efficiency	50 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 Large - Spotlight Insert (DAL-L-RTQ 13_CH, 1xLED 28W 830/3000K 1980lm 35 °)



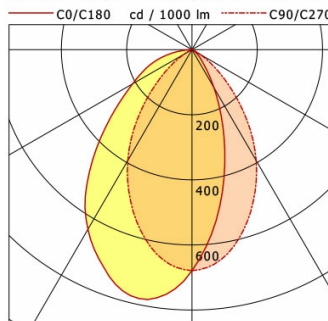
	C0	C90	C180	C270
0°	2500	2500	2500	2500
15°	1489	1489	1489	1489
30°	247	247	247	247
45°	51	51	51	51
60°	10	10	10	10
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.85	550.1
6.0	3.70	137.5
9.0	5.55	61.1
12.0	7.40	34.4
15.0	9.25	22.0

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	11.6
UGR C90/C270	11.6
CIE Flux Codes	94 100 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RWQ 13, 1xLED 28W 830/3000K 1060lm 35 °)



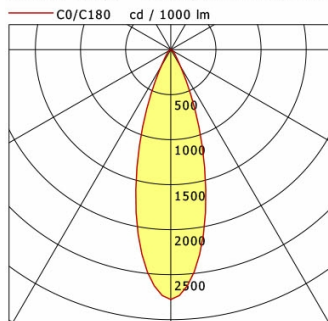
	C0	C90	C180	C270
0°	679	679	679	679
15°	385	586	776	586
30°	135	393	637	393
45°	35	170	404	170
60°	5	28	210	28
75°	1	3	101	3
90°	0	0	0	0

LDC unsuitable for cone representation.
Asymmetric LDC.

η	LED
Efficiency	38 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	20.8
CIE Flux Codes	66 89 98 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23_SI-MATT, 1xLED 28W 830/3000K 2000lm 35 °)



	C0	C90	C180	C270
0°	2777	2777	2777	2777
15°	1479	1479	1479	1479
30°	214	214	214	214
45°	54	54	54	54
60°	12	12	12	12
75°	1	1	1	1
90°	0	0	0	0

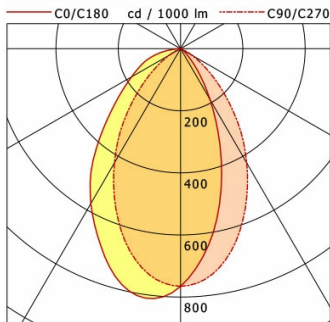
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.69	617.0
6.0	3.39	154.3
9.0	5.08	68.6
12.0	6.78	38.6
15.0	8.47	24.7

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	13.1
UGR C90/C270	13.1
CIE Flux Codes	94 99 100 100 100
Ra/CRI	>80

LTS

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Dallton Large - Spotlight Insert (DAL-L-RWR 23, 1xLED 28W 830/3000K 1180lm 35 °)



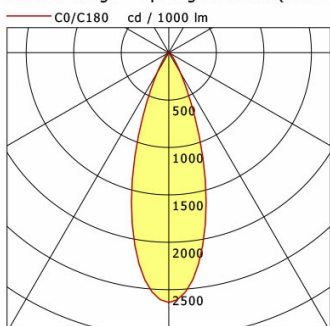
	C0	C90	C180	C270
0°	766	766	766	766
15°	494	659	773	659
30°	189	425	576	425
45°	37	189	341	189
60°	5	42	182	42
75°	1	4	91	4
90°	0	0	0	0

LDC unsuitable for cone representation.
Asymmetric LDC.

η	LED
Efficiency	42 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	10.4
UGR C90/C270	21.7
CIE Flux Codes	70 91 98 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_CH-SW, 1xLED 28W 830/3000K 1690lm 35 °)



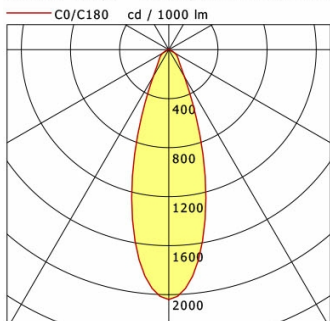
	C0	C90	C180	C270
0°	2636	2636	2636	2636
15°	1510	1510	1510	1510
30°	245	245	245	245
45°	44	44	44	44
60°	6	6	6	6
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.79	495.0
6.0	3.58	123.7
9.0	5.38	55.0
12.0	7.17	30.9
15.0	8.96	19.8

η	LED
Efficiency	60 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	10.1
UGR C90/C270	10.1
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_WS-MATT, 1xLED 28W 830/3000K 1970lm 35 °)



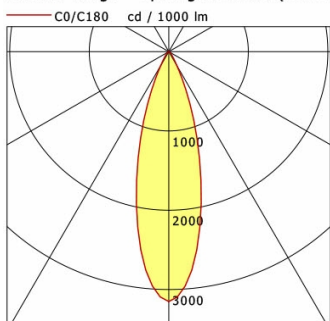
	C0	C90	C180	C270
0°	2040	2040	2040	2040
15°	1162	1162	1162	1162
30°	252	252	252	252
45°	109	109	109	109
60°	57	57	57	57
75°	8	8	8	8
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.79	446.5
6.0	3.58	111.6
9.0	5.37	49.6
12.0	7.16	27.9
15.0	8.95	17.9

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	19.5
UGR C90/C270	19.5
CIE Flux Codes	81 95 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23_CH-SW, 1xLED 28W 830/3000K 2110lm 35 °)



	C0	C90	C180	C270
0°	3152	3152	3152	3152
15°	1534	1534	1534	1534
30°	202	202	202	202
45°	41	41	41	41
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

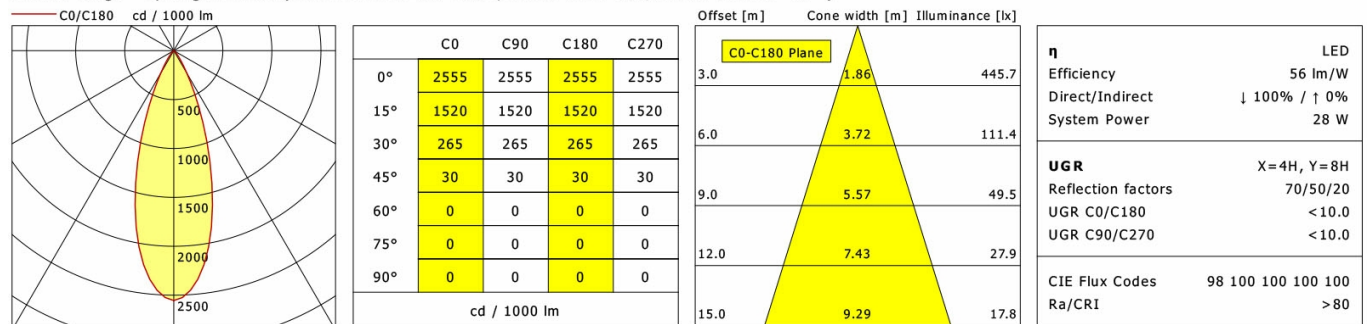
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.57	738.9
6.0	3.15	184.7
9.0	4.72	82.1
12.0	6.30	46.2
15.0	7.87	29.6

η	LED
Efficiency	76 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	10.7
UGR C90/C270	10.7
CIE Flux Codes	97 100 100 100 100
Ra/CRI	>80

LTS

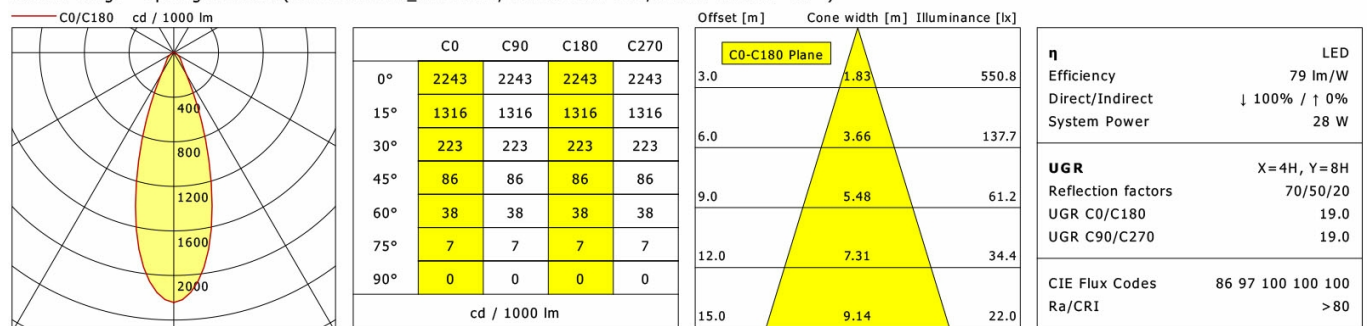
DAL-L-LK 101.830.35/DALI

Dallton Large - Spotlight Insert (DAL-L-RTR 23_SW-MATT, 1xLED 28W 830/3000K 1570lm 35 °)



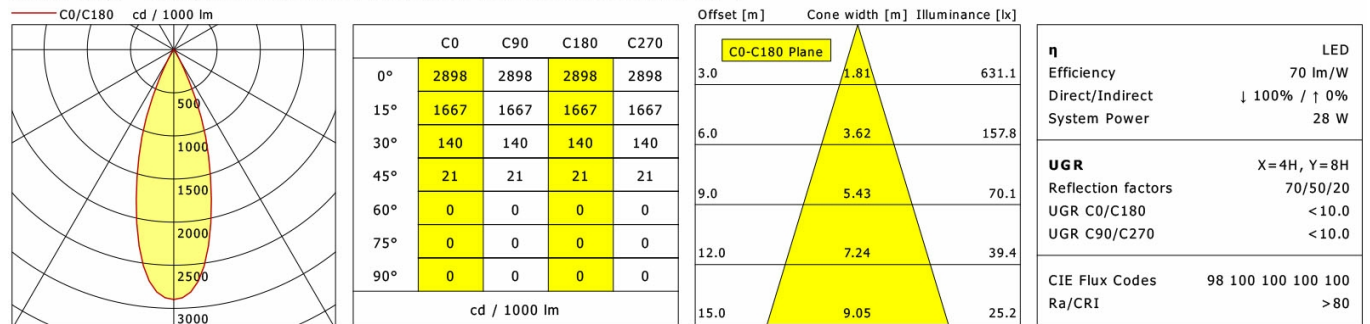
LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23_WS-MATT, 1xLED 28W 830/3000K 2210lm 35 °)



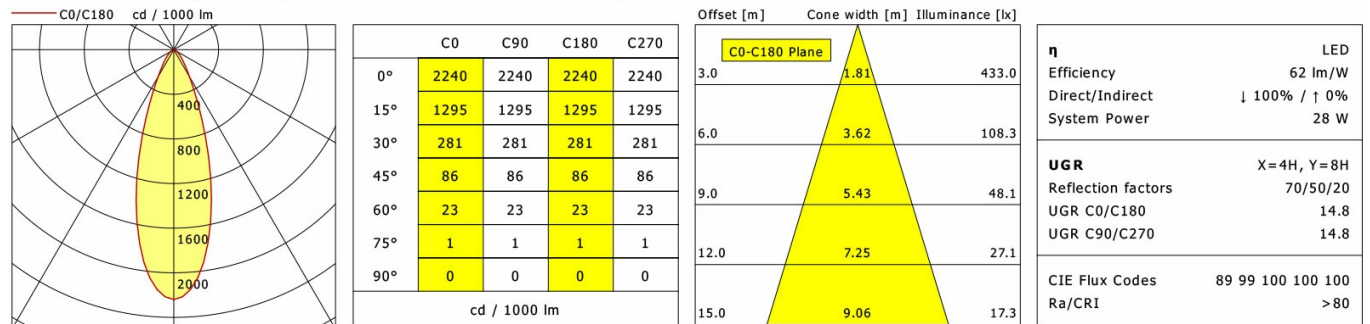
LTS

Dallton Large - Spotlight Insert (DAL-L-RFR 23, 1xLED 28W 830/3000K 1960lm 35 °)



LTS

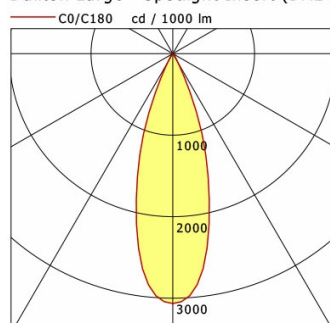
Dallton Large - Spotlight Insert (DAL-L-RTQ 13_SI-MATT, 1xLED 28W 830/3000K 1740lm 35 °)



LTS

DAL-L-LK 101.830.35/DALI

Dallton Large - Spotlight Insert (DAL-L-RFQ 13, 1xLED 28W 830/3000K 1860lm 35 °)



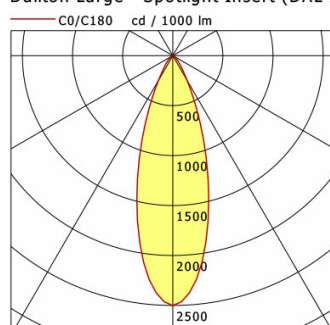
	C0	C90	C180	C270
0°	3066	3066	3066	3066
15°	1704	1704	1704	1704
30°	123	123	123	123
45°	23	23	23	23
60°	2	2	2	2
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.75	633.5
6.0	3.51	158.4
9.0	5.26	70.4
12.0	7.01	39.6
15.0	8.77	25.3

η	LED
Efficiency	67 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 Large - Spotlight Insert (DAL-L-RTR 23_CH, 1xLED 28W 830/3000K 2190lm 35 °)



	C0	C90	C180	C270
0°	2501	2501	2501	2501
15°	1380	1380	1380	1380
30°	284	284	284	284
45°	65	65	65	65
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.75	608.5
6.0	3.51	152.1
9.0	5.26	67.6
12.0	7.01	38.0
15.0	8.77	24.3

η	LED
Efficiency	78 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	14.0
UGR C90/C270	14.0
CIE Flux Codes	95 100 100 100 100
Ra/CRI	>80

LTS

Recessed Spotlights · Dallton Large System



DAL-L-LK 101.830.35/DALI

Accessories



DAL-L-ZBW 13.23
honeycomb louvre



ZB-OR DONGLE
Organic Response IR dongle kit



ZB-OR GATEWAY
Organic Response IoT Gateway Cascade Series



ZB-OR-R SENSOR
Organic Response sensor for recessed mounting