

DAL-L-LK 102.840.35



Colours	Article no.	EAN
silver	660977	4043544697943



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) included (external placement)

Standard options



Special options



Lighting data / Norms

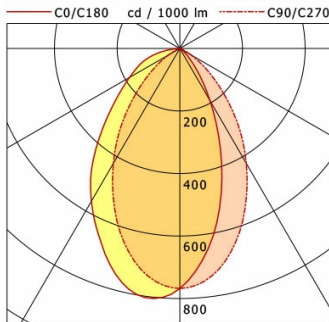
Lamps	LED Spot / CRI 80 / 4000 K
EPREL light sources	851282
Lifetime	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
System power	43.0 W
Luminaire luminous flux	max. 3440 lm
System efficiency	42.55 lm/W
Module efficiency	162.17 lm/W
UGR class	≤16
Beam angle	35°
Supply voltage	220 - 240 V / 50 - 60 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	1.33 kg
Gross weight	1.40 kg

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Dallton Large - Spotlight Insert (DAL-L-RWR 23, 1xLED 43W 840/4000K 1830lm 35 °)



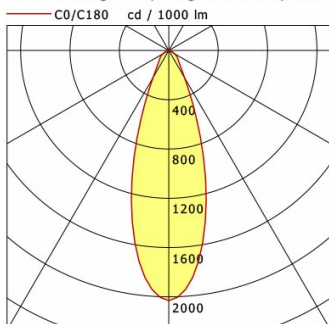
	C0	C90	C180	C270
0°	768	768	768	768
15°	503	659	760	659
30°	193	424	565	424
45°	38	190	339	190
60°	5	42	185	42
75°	1	4	94	4
90°	0	0	0	0

LDC unsuitable for cone representation.
Asymmetric LDC.

η	LED
Efficiency	43 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	12.0
UGR C90/C270	23.3
CIE Flux Codes	70 91 98 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_WS-MATT, 1xLED 43W 840/4000K 3050lm 35 °)



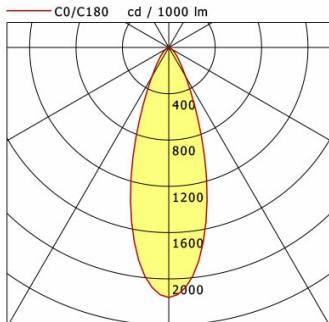
	C0	C90	C180	C270
0°	2030	2030	2030	2030
15°	1167	1167	1167	1167
30°	255	255	255	255
45°	107	107	107	107
60°	56	56	56	56
75°	8	8	8	8
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.81	687.9
6.0	3.61	172.0
9.0	5.42	76.4
12.0	7.23	43.0
15.0	9.03	27.5

η	LED
Efficiency	71 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.9
UGR C90/C270	20.9
CIE Flux Codes	82 95 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_SI-MATT, 1xLED 43W 840/4000K 2850lm 35 °)



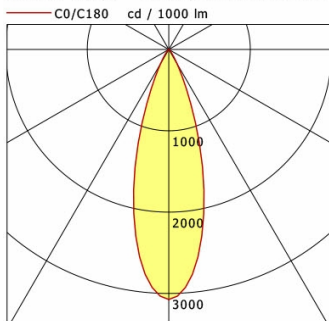
	C0	C90	C180	C270
0°	2161	2161	2161	2161
15°	1275	1275	1275	1275
30°	289	289	289	289
45°	89	89	89	89
60°	23	23	23	23
75°	1	1	1	1
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.85	684.3
6.0	3.70	171.1
9.0	5.55	76.0
12.0	7.40	42.8
15.0	9.24	27.4

η	LED
Efficiency	66 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.7
UGR C90/C270	16.7
CIE Flux Codes	89 99 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_SW-MATT, 1xLED 43W 840/4000K 2170lm 35 °)



	C0	C90	C180	C270
0°	3074	3074	3074	3074
15°	1642	1642	1642	1642
30°	201	201	201	201
45°	20	20	20	20
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

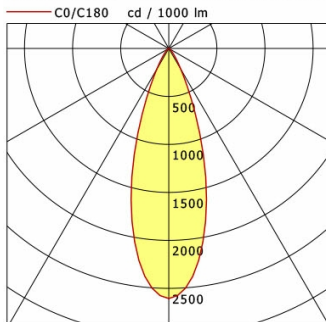
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.69	741.3
6.0	3.38	185.3
9.0	5.07	82.4
12.0	6.76	46.3
15.0	8.45	29.7

η	LED
Efficiency	51 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 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

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Dallton Large - Spotlight Insert (DAL-L-RTQ 13_CH-SW, 1xLED 43W 840/4000K 2640lm 35 °)



	C0	C90	C180	C270
0°	2606	2606	2606	2606
15°	1508	1508	1508	1508
30°	250	250	250	250
45°	43	43	43	43
60°	6	6	6	6
75°	0	0	0	0
90°	0	0	0	0

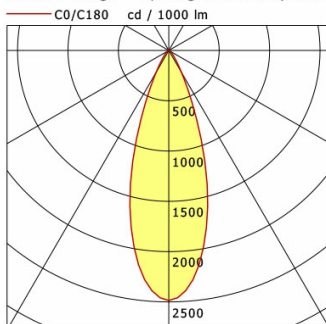
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.81	764.3
6.0	3.62	191.1
9.0	5.42	84.9
12.0	7.23	47.8
15.0	9.04	30.6

η	LED
Efficiency	62 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	11.6
UGR C90/C270	11.6
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_CH, 1xLED 43W 840/4000K 3100lm 35 °)



	C0	C90	C180	C270
0°	2486	2486	2486	2486
15°	1489	1489	1489	1489
30°	251	251	251	251
45°	50	50	50	50
60°	9	9	9	9
75°	0	0	0	0
90°	0	0	0	0

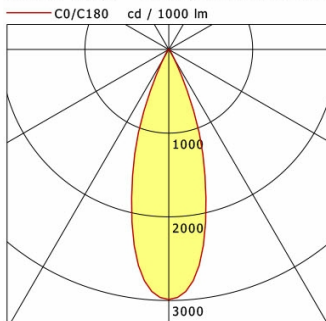
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.86	856.3
6.0	3.72	214.1
9.0	5.58	95.1
12.0	7.44	53.5
15.0	9.30	34.3

η	LED
Efficiency	72 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	13.1
UGR C90/C270	13.1
CIE Flux Codes	95 100 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RFQ 13, 1xLED 43W 840/4000K 2920lm 35 °)



	C0	C90	C180	C270
0°	2988	2988	2988	2988
15°	1696	1696	1696	1696
30°	129	129	129	129
45°	23	23	23	23
60°	2	2	2	2
75°	1	1	1	1
90°	0	0	0	0

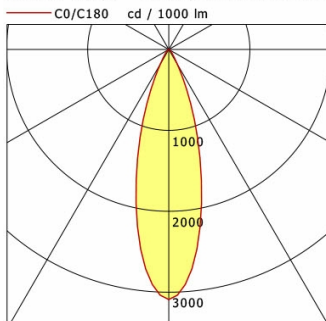
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.79	969.4
6.0	3.57	242.4
9.0	5.36	107.7
12.0	7.15	60.6
15.0	8.94	38.8

η	LED
Efficiency	68 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 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-SW, 1xLED 43W 840/4000K 3260lm 35 °)



	C0	C90	C180	C270
0°	3090	3090	3090	3090
15°	1527	1527	1527	1527
30°	208	208	208	208
45°	41	41	41	41
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

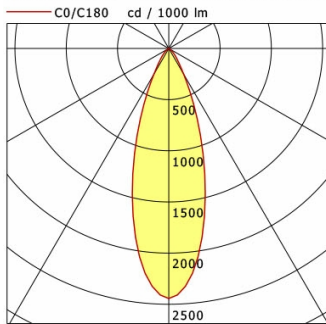
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.59	1119.3
6.0	3.19	279.8
9.0	4.78	124.4
12.0	6.37	70.0
15.0	7.96	44.8

η	LED
Efficiency	76 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	12.3
UGR C90/C270	12.3
CIE Flux Codes	97 100 100 100 100
Ra/CRI	>80

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Dallton Large - Spotlight Insert (DAL-L-RTR 23_CH, 1xLED 43W 840/4000K 3380lm 35 °)



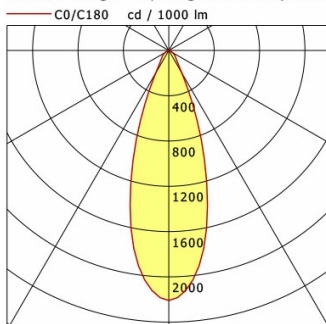
	C0	C90	C180	C270
0°	2444	2444	2444	2444
15°	1371	1371	1371	1371
30°	290	290	290	290
45°	66	66	66	66
60°	1	1	1	1
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.78	917.7
6.0	3.56	229.4
9.0	5.34	102.0
12.0	7.12	57.4
15.0	8.90	36.7

η	LED
Efficiency	79 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	15.6
UGR C90/C270	15.6
CIE Flux Codes	95 100 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23_WS-MATT, 1xLED 43W 840/4000K 3440lm 35 °)



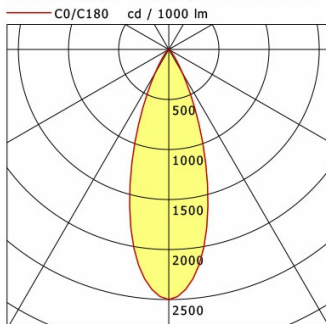
	C0	C90	C180	C270
0°	2209	2209	2209	2209
15°	1311	1311	1311	1311
30°	229	229	229	229
45°	85	85	85	85
60°	38	38	38	38
75°	7	7	7	7
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.85	844.3
6.0	3.69	211.1
9.0	5.54	93.8
12.0	7.39	52.8
15.0	9.24	33.8

η	LED
Efficiency	80 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.5
UGR C90/C270	20.5
CIE Flux Codes	86 97 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23_SW-MATT, 1xLED 43W 840/4000K 2480lm 35 °)



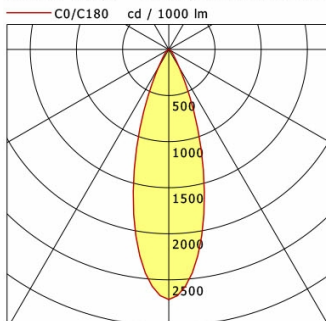
	C0	C90	C180	C270
0°	2500	2500	2500	2500
15°	1508	1508	1508	1508
30°	273	273	273	273
45°	31	31	31	31
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.88	688.8
6.0	3.77	172.2
9.0	5.65	76.5
12.0	7.53	43.0
15.0	9.41	27.6

η	LED
Efficiency	58 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	11.7
UGR C90/C270	11.7
CIE Flux Codes	98 100 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23_SI-MATT, 1xLED 43W 840/4000K 3110lm 35 °)



	C0	C90	C180	C270
0°	2714	2714	2714	2714
15°	1473	1473	1473	1473
30°	223	223	223	223
45°	53	53	53	53
60°	11	11	11	11
75°	1	1	1	1
90°	0	0	0	0

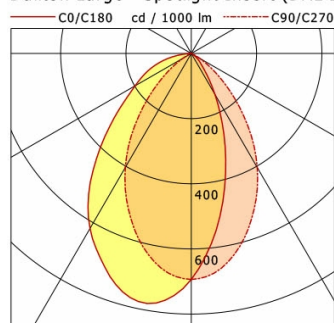
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.72	937.7
6.0	3.44	234.4
9.0	5.16	104.2
12.0	6.89	58.6
15.0	8.61	37.5

η	LED
Efficiency	72 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	14.6
UGR C90/C270	14.6
CIE Flux Codes	94 99 100 100 100
Ra/CRI	>80

LTS

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Dallton Large - Spotlight Insert (DAL-L-RWQ 13, 1xLED 43W 840/4000K 1660lm 35 °)



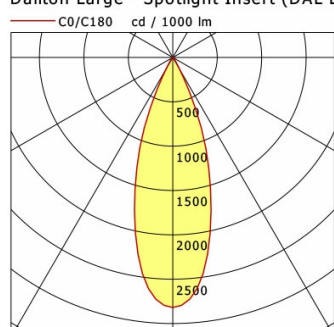
	C0	C90	C180	C270
0°	694	694	694	694
15°	402	601	768	601
30°	145	404	620	404
45°	37	177	385	177
60°	6	29	199	29
75°	1	3	95	3
90°	0	0	0	0

LDC unsuitable for cone representation.
Asymmetric LDC.

η	LED
Efficiency	39 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	22.3
CIE Flux Codes	67 90 98 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RFR 23, 1xLED 43W 840/4000K 3080lm 35 °)



	C0	C90	C180	C270
0°	2819	2819	2819	2819
15°	1660	1660	1660	1660
30°	149	149	149	149
45°	21	21	21	21
60°	1	1	1	1
75°	1	1	1	1
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.85	964.8
6.0	3.70	241.2
9.0	5.54	107.2
12.0	7.39	60.3
15.0	9.24	38.6

η	LED
Efficiency	72 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 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

Recessed Spotlights · Dallton Large System



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Accessories



DAL-L-ZBW 13.23
honeycomb louvre