

# DAL-L-LK 102.840.50



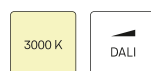
Colours	Article no.	EAN
silver	660979	4043544697967



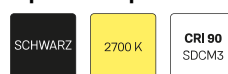
## Description

- 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

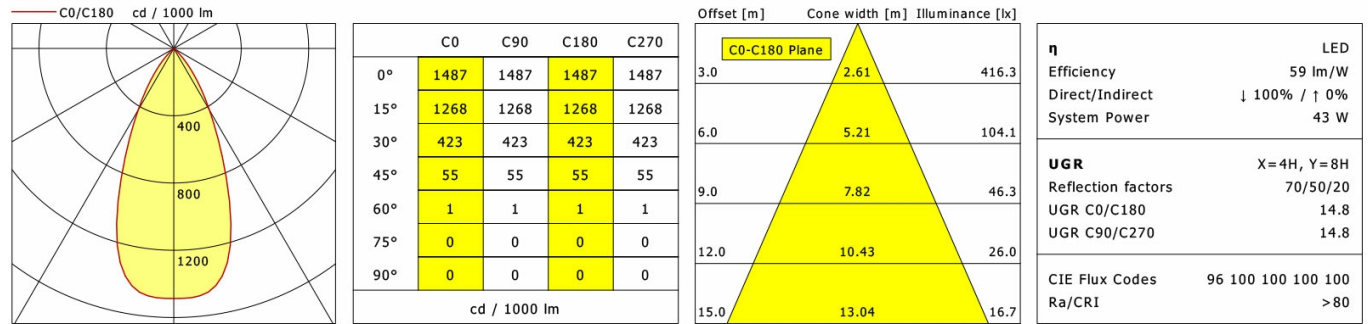
Lamps	LED Spot / CRI 80 / 4000 K
EPREL light sources	851282
Lifetime	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
System power	43.0 W
Luminaire luminous flux	max. 3460 lm
System efficiency	58.60 lm/W
Module efficiency	162.17 lm/W
UGR class	≤22
Beam angle	50°
Supply voltage	220 - 240 V / 50 - 60 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

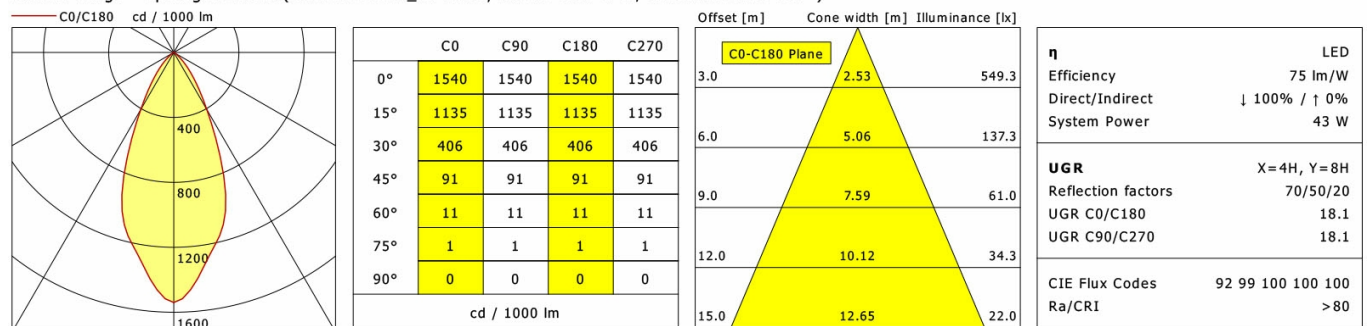
# DAL-L-LK 102.840.50

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_SW-MATT, 1xLED 43W 840/4000K 2520lm 50 °)



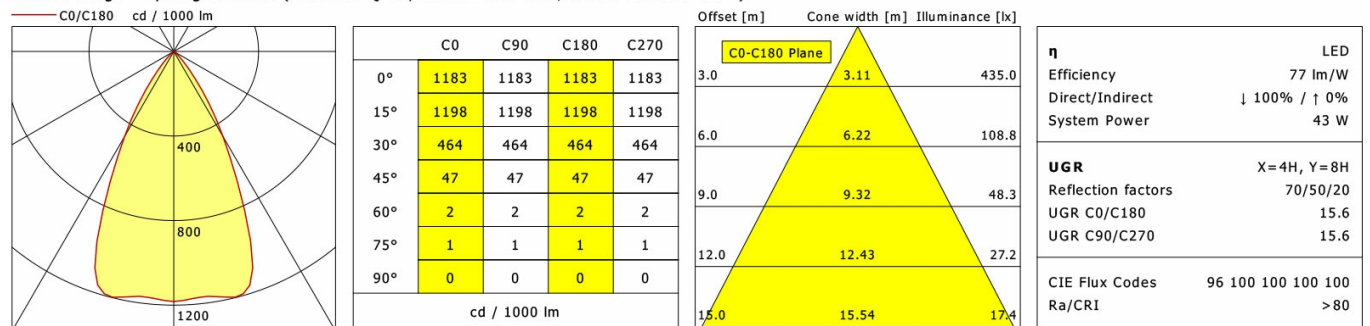
LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_SI-MATT, 1xLED 43W 840/4000K 3210lm 50 °)



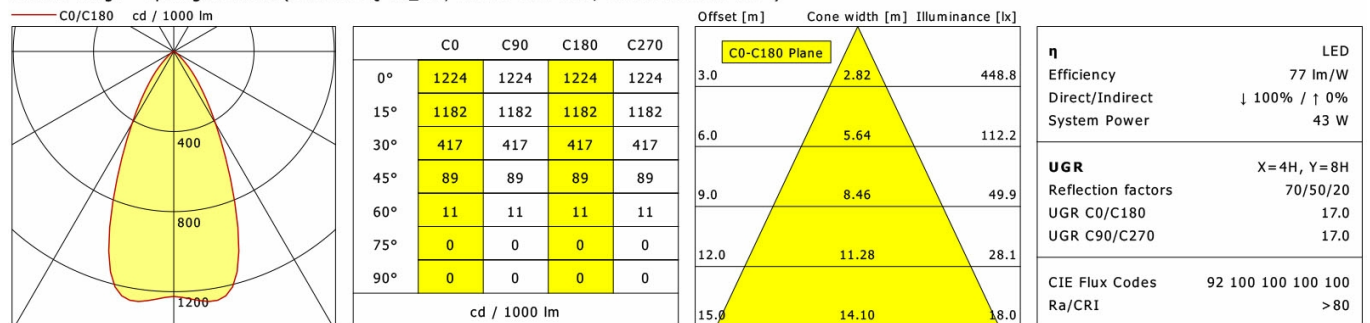
LTS

Dallton Large - Spotlight Insert (DAL-L-RFQ 13, 1xLED 43W 840/4000K 3310lm 50 °)



LTS

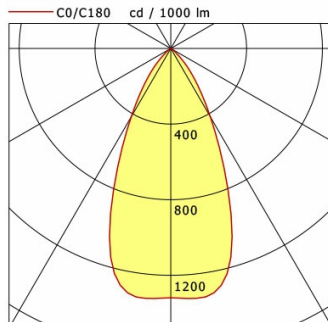
Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_CH, 1xLED 43W 840/4000K 3300lm 50 °)



LTS

# DAL-L-LK 102.840.50

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_CH-SW, 1xLED 43W 840/4000K 2890lm 50 °)



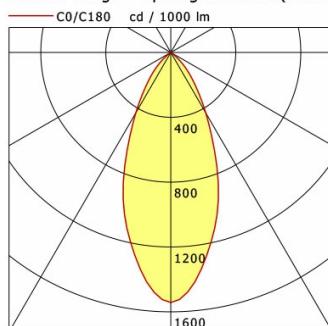
	C0	C90	C180	C270
0°	1319	1319	1319	1319
15°	1193	1193	1193	1193
30°	417	417	417	417
45°	85	85	85	85
60°	8	8	8	8
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.74	423.6
6.0	5.47	105.9
9.0	8.21	47.1
12.0	10.95	26.5
15.0	13.68	16.9

<b>η</b>	LED
Efficiency	67 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.3
UGR C90/C270	16.3
CIE Flux Codes	93 100 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_CH, 1xLED 43W 840/4000K 3430lm 50 °)



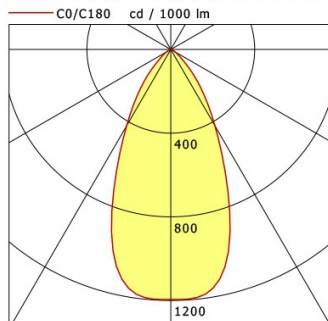
	C0	C90	C180	C270
0°	1543	1543	1543	1543
15°	1077	1077	1077	1077
30°	431	431	431	431
45°	114	114	114	114
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.39	587.9
6.0	4.78	147.0
9.0	7.17	65.3
12.0	9.56	36.7
15.0	11.95	23.5

<b>η</b>	LED
Efficiency	80 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	19.1
UGR C90/C270	19.1
CIE Flux Codes	92 100 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_SI-MATT, 1xLED 43W 840/4000K 3070lm 50 °)



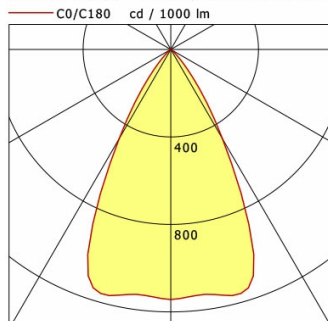
	C0	C90	C180	C270
0°	1195	1195	1195	1195
15°	1037	1037	1037	1037
30°	421	421	421	421
45°	116	116	116	116
60°	24	24	24	24
75°	1	1	1	1
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.79	407.6
6.0	5.58	101.9
9.0	8.37	45.3
12.0	11.16	25.5
15.0	13.95	16.3

<b>η</b>	LED
Efficiency	71 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	18.6
UGR C90/C270	18.6
CIE Flux Codes	87 99 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RFR 23, 1xLED 43W 840/4000K 3410lm 50 °)



	C0	C90	C180	C270
0°	1143	1143	1143	1143
15°	1162	1162	1162	1162
30°	471	471	471	471
45°	46	46	46	46
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

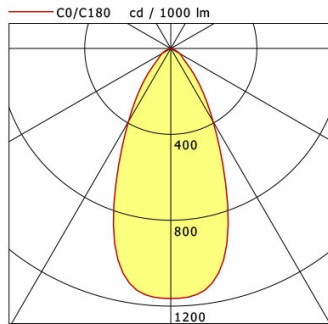
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.22	433.2
6.0	6.43	108.3
9.0	9.65	48.1
12.0	12.86	27.1
15.0	16.08	17.3

<b>η</b>	LED
Efficiency	79 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.9
UGR C90/C270	16.9
CIE Flux Codes	97 100 100 100 100
Ra/CRI	>80

LTS

# DAL-L-LK 102.840.50

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_WS-MATT, 1xLED 43W 840/4000K 3210lm 50 °)



	C0	C90	C180	C270
0°	1165	1165	1165	1165
15°	982	982	982	982
30°	394	394	394	394
45°	120	120	120	120
60°	47	47	47	47
75°	7	7	7	7
90°	0	0	0	0

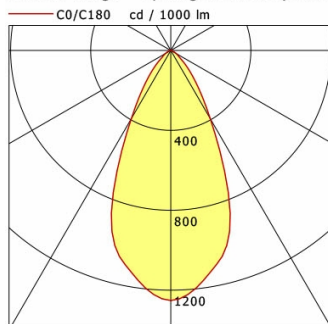
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.72	415.3
6.0	5.44	103.8
9.0	8.16	46.1
12.0	10.88	26.0
15.0	13.60	16.6

<b>η</b>	LED
Efficiency	75 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.8
UGR C90/C270	20.8
CIE Flux Codes	83 96 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_WS-MATT, 1xLED 43W 840/4000K 3460lm 50 °)



	C0	C90	C180	C270
0°	1252	1252	1252	1252
15°	1041	1041	1041	1041
30°	394	394	394	394
45°	111	111	111	111
60°	32	32	32	32
75°	6	6	6	6
90°	0	0	0	0

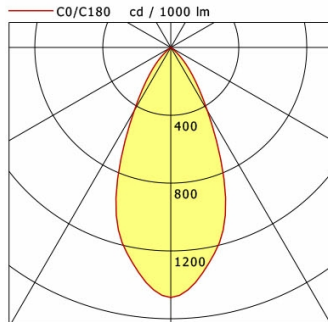
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.76	481.2
6.0	5.51	120.3
9.0	8.27	53.5
12.0	11.02	30.1
15.0	13.78	19.2

<b>η</b>	LED
Efficiency	81 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.8
UGR C90/C270	20.8
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 2620lm 50 °)



	C0	C90	C180	C270
0°	1475	1475	1475	1475
15°	1154	1154	1154	1154
30°	429	429	429	429
45°	90	90	90	90
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

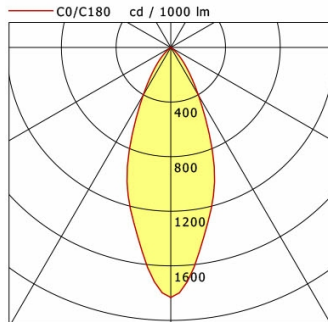
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.64	429.3
6.0	5.28	107.3
9.0	7.92	47.7
12.0	10.56	26.8
15.0	13.20	17.2

<b>η</b>	LED
Efficiency	61 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.2
UGR C90/C270	17.2
CIE Flux Codes	94 100 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_CH-SW, 1xLED 43W 840/4000K 3360lm 50 °)



	C0	C90	C180	C270
0°	1832	1832	1832	1832
15°	1176	1176	1176	1176
30°	404	404	404	404
45°	82	82	82	82
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	2.21	684.0
6.0	4.42	171.0
9.0	6.63	76.0
12.0	8.84	42.8
15.0	11.04	27.4

<b>η</b>	LED
Efficiency	78 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.6
UGR C90/C270	17.6
CIE Flux Codes	94 100 100 100 100
Ra/CRI	>80

LTS

Recessed Spotlights · Dallton Large System



# DAL-L-LK 102.840.50

## Accessories



DAL-L-ZBW 13.23  
honeycomb louvre