

# DAL-L-LK 102.840.35/DALI



## 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



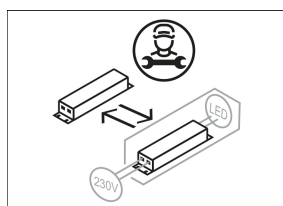
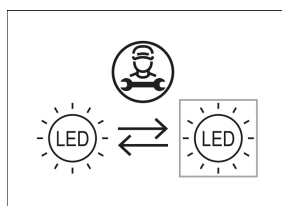
## Lighting data / Norms

Lamps	LED Spot / CRI 80 / 4000 K
EPREL light sources	851282
	L90 B50 50.000 h
	L80 B50 100.000 h
	L80 B20 50.000 h
Lifetime	
System power	43.0 W
Luminaire luminous flux	max. 3440 lm
System efficiency	80.00 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

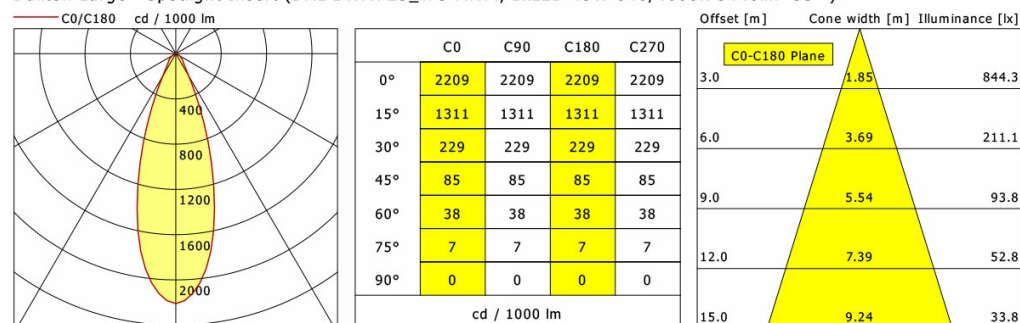
Outer diameter	124 mm
Height	149 mm
Recessed depth	200 mm
Diameter of light head	124 mm
Net weight	1.35 kg
Gross weight	1.42 kg

Colours	Article no.	EAN
silver	660978	4043544697950



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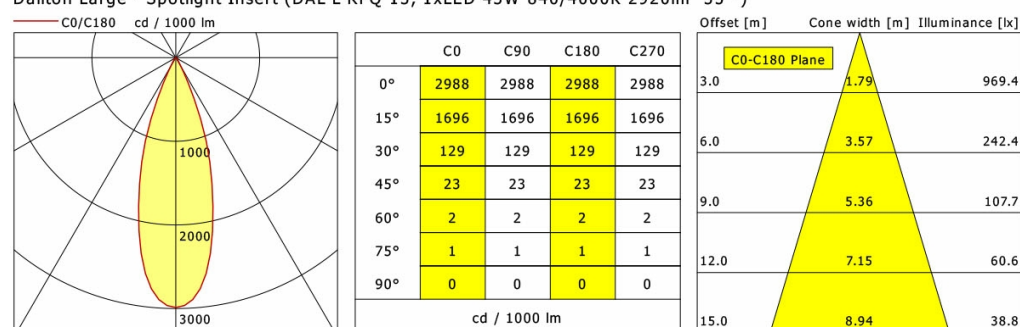
Dallton Large - Spotlight Insert (DAL-L-RTR 23\_WS-MATT, 1xLED 43W 840/4000K 3440lm 35 °)



<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	20.5
UGR C90/C270	20.5
CIE Flux Codes	86 97 100 100 100
Ra/CRI	>80

LTS

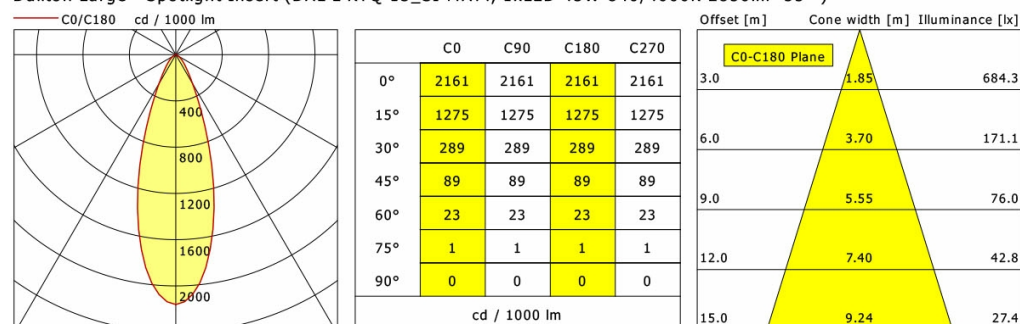
Dallton Large - Spotlight Insert (DAL-L-RFQ 13, 1xLED 43W 840/4000K 2920lm 35 °)



<b>η</b>	LED
Efficiency	68 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	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	98 100 100 100 100
Ra/CRI	>80

LTS

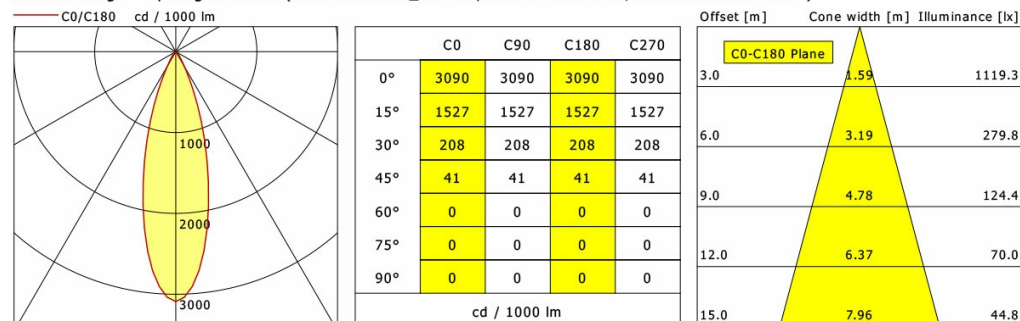
Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_SI-MATT, 1xLED 43W 840/4000K 2850lm 35 °)



<b>η</b>	LED
Efficiency	66 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	16.7
UGR C90/C270	16.7
CIE Flux Codes	89 99 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_CH-SW, 1xLED 43W 840/4000K 3260lm 35 °)

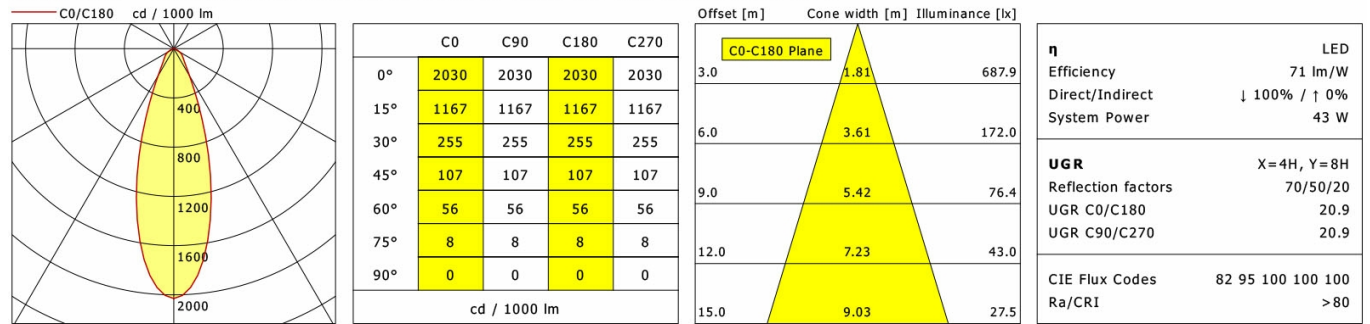


<b>η</b>	LED
Efficiency	76 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	12.3
UGR C90/C270	12.3
CIE Flux Codes	97 100 100 100 100
Ra/CRI	>80

LTS

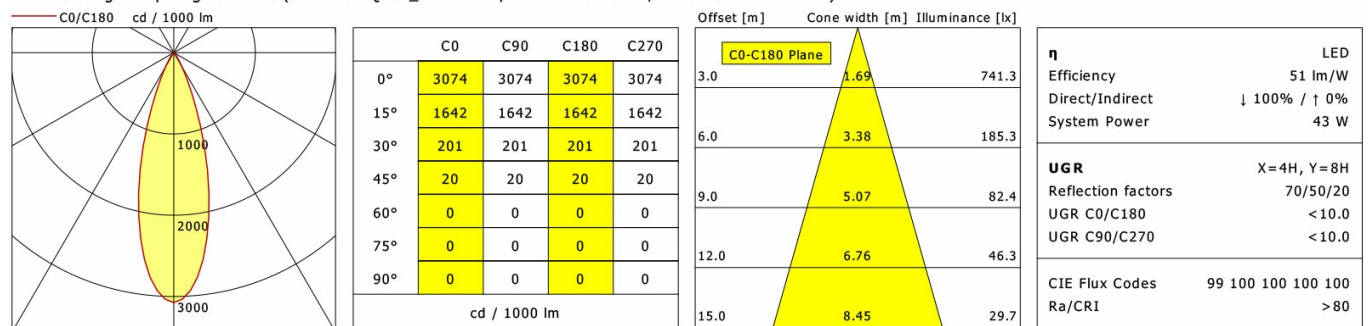
# DAL-L-LK 102.840.35/DALI

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



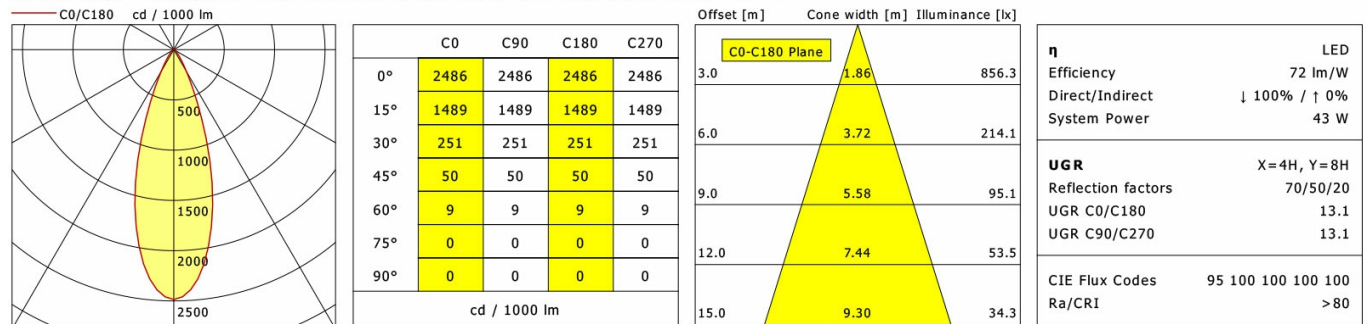
LTS

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



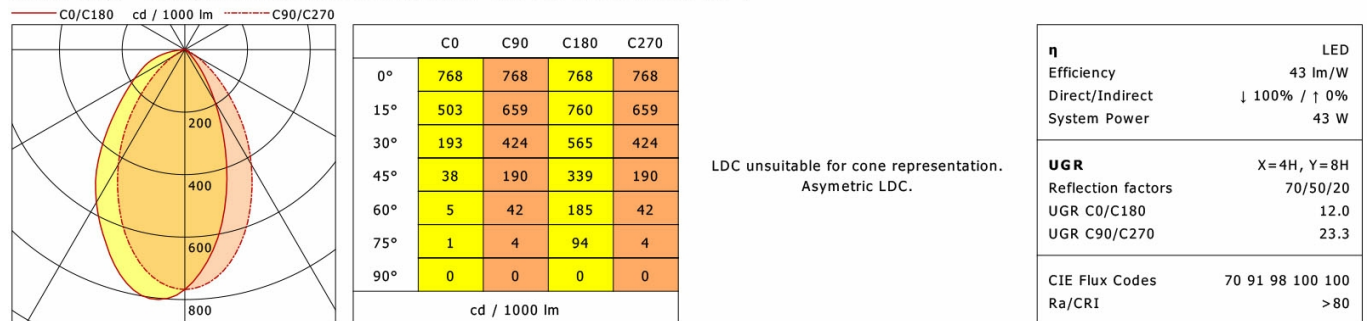
LTS

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



LTS

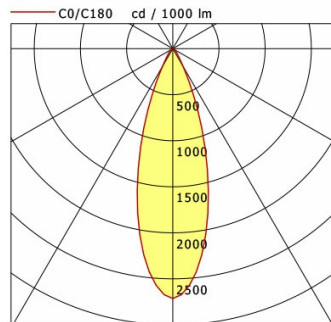
Dallton Large - Spotlight Insert (DAL-L-RWR 23, 1xLED 43W 840/4000K 1830lm 35 °)



LTS

# DAL-L-LK 102.840.35/DALI

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

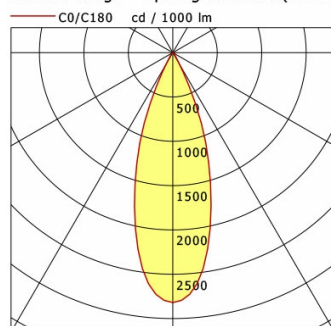
cd / 1000 lm

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

<b>η</b>	LED
Efficiency	72 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	14.6
UGR C90/C270	14.6
CIE Flux Codes	94 99 100 100 100
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

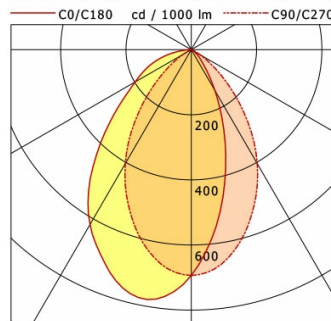
cd / 1000 lm

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

<b>η</b>	LED
Efficiency	72 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	<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-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

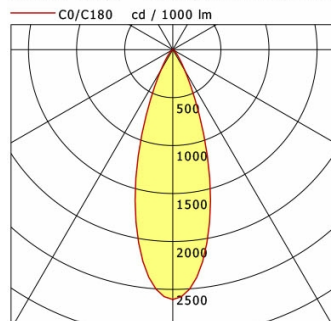
cd / 1000 lm

LDC unsuitable for cone representation.  
Asymmetric LDC.

<b>η</b>	LED
Efficiency	39 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	<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-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

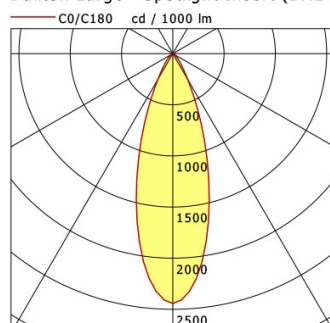
<b>η</b>	LED
Efficiency	62 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	11.6
UGR C90/C270	11.6
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS



# DAL-L-LK 102.840.35/DALI

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



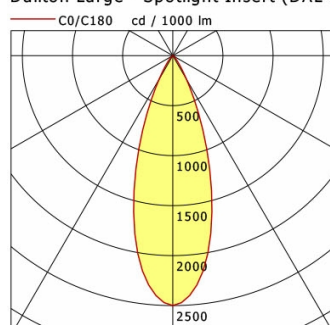
	C0	C90	C180	C270
0°	2444	2444	2444	2444
15°	1371	1371	1371	1371
30°	290	290	290	290
45°	66	66	66	66
60°	1	1	1	1
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				

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

<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	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\_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
cd / 1000 lm				

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

<b>η</b>	LED
Efficiency	58 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	11.7
UGR C90/C270	11.7
CIE Flux Codes	98 100 100 100 100
Ra/CRI	>80

LTS

Recessed Spotlights · Dallton Large System



# DAL-L-LK 102.840.35/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