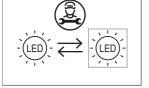
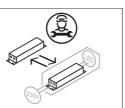
DAL-L-LK 102.840.50/DALI



Colours	Article no.	EAN
silver	660980	4043544697974
(3)		







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 EPREL light sources

Lifetime

System power Luminaire luminous flux System efficiency Module efficiency UGR class Beam angle Supply voltage Protection class Type of protection 851282 L90 B50 50.000 h L80 B50 100.000 h 43.0 W max. 3460 lm 76.97 lm/W 162.17 lm/W ≤22 50° 220 - 240 V / 50 - 60 Hz III

LED Spot / CRI 80 / 4000 K

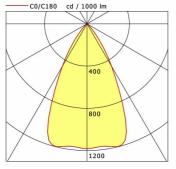
Dimensions / Weights

124 mm
149 mm
200 mm
124 mm
1.35 kg
1.42 kg

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DAL-L-LK 102.840.50/DALI

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



	C0	C90	C180	C270
0°	1183	1183	1183	1183
15°	1198	1198	1198	1198
30°	464	464	464	464
45°	47	47	47	47
60°	2	2	2	2
75°	1	1	1	1
90°	0	0	0	0
	co	i / 1000 I	m	



3.0

6.0

9.0

12.0

15.0

3.0

6.0

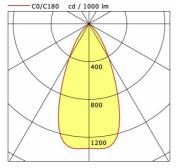
9.0

12.0

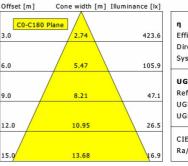
5.0

η	LEC		
Efficiency	77 lm/W		
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	43 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	15.		
UGR C90/C270	15.0		
CIE Flux Codes	96 100 100 100 100		
Ra/CRI	> 80		

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

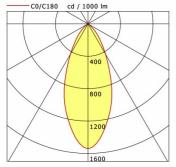


C0 C90 C180 C270					
0°	1319	1319	1319	1319	
15°	1193	1193	1193	1193	
30°	417	417	417	417	
45°	85	85	85	85	
60° <mark>8</mark> 8 8 8					
75°	0	0	0	0	
90°	0	0	0	0	
cd / 1000 lm					



η	LED
Efficiency	67 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	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

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

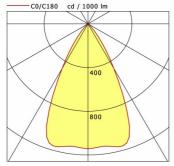


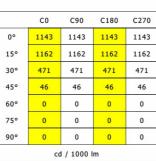
	C0	C90	C180	C270	
0°	1543	1543	1543	1543	
15°	1077	1077	1077	1077	
30°	431	431	431	431	
45°	114	114	114	114	
60°	0	0	0	0	
75°	0	0	0	0	
90°	0	0	0	0	
	co	i / 1000 I	m		

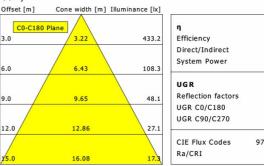
Offset [m]	Cone width [m] Ill	uminance [lx]
C0-C180 3.0	2.39	n 587.9 Effic
6.0	4.78	Dire Syst
9.0	7.17	65.3 Refl
12.0	9.56	36.7 UGR
15.0	11.95	23.5 CIE Ra/0

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	19.1		
UGR C90/C270	19.1		
CIE Flux Codes	92 100 100 100 100		
Ra/CRI	>80		

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



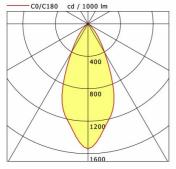




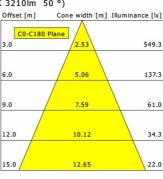
η	LED
Efficiency	79 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.9
UGR C90/C270	16.9
CIE Flux Codes	97 100 100 100 100
Ra/CRI	> 80
	LTS

DAL-L-LK 102.840.50/DALI

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



	C0	C90	C180	C270	
0°	1540	1540	1540	1540	
15°	1135	1135	1135	1135	
30°	406	406	406	406	
45°	91	91	91	91	
60°	11	11	11	11	
75°	1	1	1	1	
90°	0	0	0	0	
	co	i / 1000 I	m		

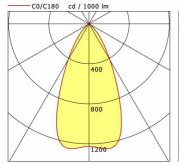


η	LED
Efficiency	75 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	18.1
UGR C90/C270	18.1
CIE Flux Codes	92 99 100 100 100
Ra/CRI	>80

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



	C0	C90	C180	C270
0°	1224	1224	1224	1224
15°	1182	1182	1182	1182
30°	417	417	417	417
45°	89	89	89	89
60°	11	11	11	11
75°	0	0	0	0
90°	0	0	0	0
	cd	i / 1000 I	m	

3.0

6.0

9.0

12.0

15.0

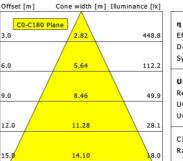
3.0

6.0

9.0

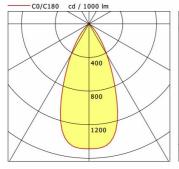
12.0

15.0



η	LED
Efficiency	77 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.0
UGR C90/C270	17.0
CIE Flux Codes	92 100 100 100 100
Ra/CRI	>80

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_SW-MATT, 1xLED 43W 840/4000K 2520Im 50 °) Cone width [m] Illuminance [lx]

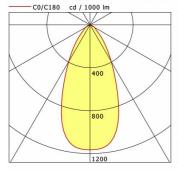


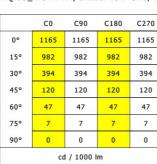
	C0	C90	C180	C270
0°	1487	1487	1487	1487
15°	1268	1268	1268	1268
30°	423	423	423	423
45°	55	55	55	55
60°	1	1	1	1
75°	0	0	0	0
90°	0	0	0	0
	co	i / 1000 I	m	

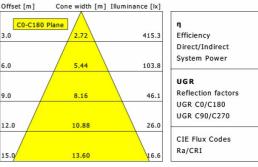
Offset [m]	Cone width [m] II	luminance [lx]
C0-C180 Pl	ane	
3.0	2.61	416.3
6.0	5.21	104.1
	$\langle \rangle$	
9.0	7.82	46.3
12.0	10.43	26.0
15.0	13.04	16.7

η	LED	
Efficiency	59 lm/W	
Direct/Indirect	↓ 100% / ↑ 0%	
System Power	43 W	
UGR	X=4H, Y=8H	
Reflection factors	70/50/20	
UGR C0/C180	14.8	
UGR C90/C270	14.8	
CIE Flux Codes	96 100 100 100 100	
Ra/CRI	> 80	

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





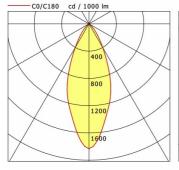


Ra/CRI	>80
CIE Flux Codes	83 96 100 100 100
UGR C90/C270	20.8
UGR C0/C180	20.8
Reflection factors	70/50/20
UGR	X=4H, Y=8H
System Power	43 W
Direct/Indirect	↓ 100% / ↑ 0%
Efficiency	75 lm/W
η	LED

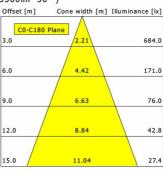


DAL-L-LK 102.840.50/DALI

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

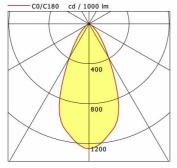


	C0	C90	C180	C270
0°	1832	1832	1832	1832
15°	1176	1176	1176	1176
30°	404	404	404	404
45°	82	82	82	82
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
	co	i / 1000 I	m	



η	LEI		
Efficiency	78 lm/W		
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	43 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	17.		
UGR C90/C270	17.0		
CIE Flux Codes	94 100 100 100 100		
Ra/CRI	> 80		

Dallton Large - Spotlight Insert (DAL-L-RTR 23_WS-MATT, 1xLED 43W 840/4000K 3460Im 50 °) Offset [m]



	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				

3.0

6.0

9.0

12.0

15.0

Offset [m]

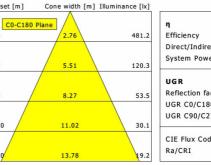
3.0

6.0

9.0

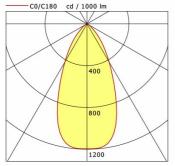
12.0

15.0

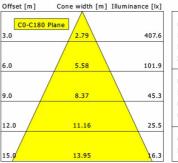


η	LED
Efficiency	81 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.8
UGR C90/C270	20.8
CIE Flux Codes	86 97 100 100 100
Ra/CRI	>80

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

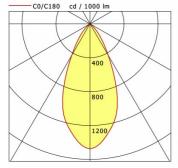


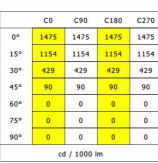
	C0	C90	C180	C270
0°	1195	1195	1195	1195
15°	1037	1037	1037	1037
30°	421	421	421	421
45°	116	116	116	116
60°	24	24	24	24
75°	1	1	1	1
90°	0	0	0	0
	co	i / 1000 I	m	

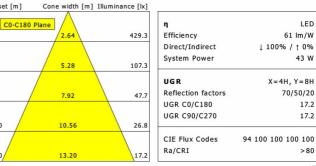


η	LED
Efficiency	71 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	18.6
UGR C90/C270	18.6
CIE Flux Codes	87 99 100 100 100
Ra/CRI	> 80

Dallton Large - Spotlight Insert (DAL-L-RTR 23_SW-MATT, 1xLED 43W 840/4000K 2620Im 50 °)







LTS

Recessed Spotlights · Dallton Large System

DAL-L-LK 102.840.50/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

