DAL-L-LK 102.840.20/DALI





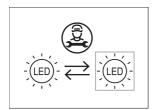


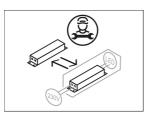






Colours	Article no.	EAN
silver	660976 4043544697936	





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 **Lifetime**L80 B50 100.000 h
L80 B20 50.000 h

System power43.0 WLuminaire luminous fluxmax. 3640 lmSystem efficiency78.83 lm/WModule efficiency162.17 lm/WUGR class≤16

 Beam angle
 20°

 Supply voltage
 220 - 240 V / 50 - 60 Hz

Protection class III
Type of protection IP20

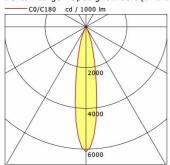
Dimensions / Weights

Outer diameter124 mmHeight149 mmRecessed depth200 mmDiameter of light head124 mmNet weight1.35 kgGross weight1.42 kg

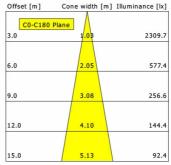
LTS LOVE TO SHINE

DAL-L-LK 102.840.20/DALI

Dallton Large - Spotlight Insert (DAL-L-RFR 23, 1xLED 43W 840/4000K 3390lm 20 °)



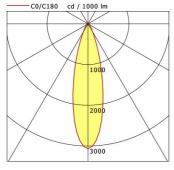
	C0	C90	C180	C270
0°	6132	6132	6132	6132
15°	1430	1430	1430	1430
30°	69	69	69	69
45°	16	16	16	16
60°	1	1	1	1
75°	0	0	0	0
90°	0	0	0	0
	co	1 / 1000 I	m	



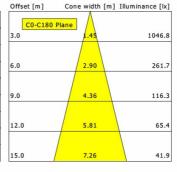
η	LED
Efficiency	79 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	99 100 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_SI-MATT, 1xLED 43W 840/4000K 3070lm 20 °)

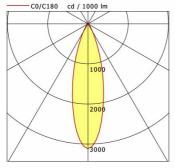


	C0	C90	C180	C270
0°	3069	3069	3069	3069
15°	1329	1329	1329	1329
30°	226	226	226	226
45°	79	79	79	79
60°	20	20	20	20
75°	1	1	1	1
90°	0	0	0	0
cd / 1000 lm				

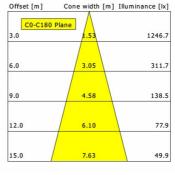


η	LED 72 lm/W		
Efficiency			
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	43 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/2		
UGR C0/C180	16.0		
UGR C90/C270	16.0		
CIE Flux Codes	90 99 100 100 100		
Ra/CRI	>80		

Dallton Large - Spotlight Insert (DAL-L-RTR 23_CH, 1xLED 43W 840/4000K 3600lm 20 °)

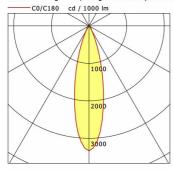


	C0	C90	C180	C270
0°	3117	3117	3117	3117
15°	1459	1459	1459	1459
30°	229	229	229	229
45°	56	56	56	56
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
	cd / 1000 lm			



η	LED 84 lm/W		
Efficiency			
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	43 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	14.3		
UGR C90/C270	14.3		
CIE Flux Codes	95 100 100 100 100		
Ra/CRI	>80		

Dallton Large - Spotlight Insert (DAL-L-RTR 23_WS-MATT, 1xLED 43W 840/4000K 3640lm 20 °)



	C0	C90	C180	C270
0°	3333	3333	3333	3333
15°	1388	1388	1388	1388
30°	160	160	160	160
45°	72	72	72	72
60°	33	33	33	33
75°	6	6	6	6
90°	0	0	0	0
cd / 1000 lm				

Offset [m]	Cone width [m]	Illuminance [lx]
C0-C180	Plane	
3.0	1.41	1347.9
6.0	2.82	337.0
9.0	4.23	149.8
12.0	5.63	84.2
15.0	7.04	53.9

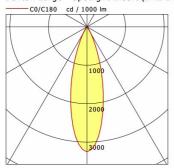
η	LED
Efficiency	85 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	19.6
UGR C90/C270	19.6
CIE Flux Codes	88 97 100 100 100
Ra/CRI	>80

LTS

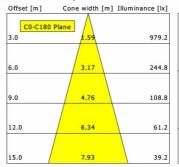
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DAL-L-LK 102.840.20/DALI

Dallton Large - Spotlight Insert (DAL-L-RTR 23_SW-MATT, 1xLED 43W 840/4000K 2710lm 20 °)

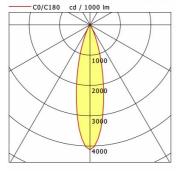


	C0	C90	C180	C270
0°	3252	3252	3252	3252
15°	1598	1598	1598	1598
30°	202	202	202	202
45°	24	24	24	24
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
	cd / 1000 lm			

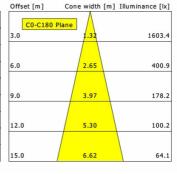


η	LED
Efficiency	63 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	98 100 100 100 100
Ra/CRI	>80

Dallton Large - Spotlight Insert (DAL-L-RTR 23_CH-SW, 1xLED 43W 840/4000K 3500lm 20 °)

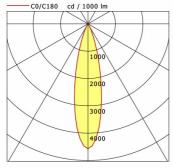


	C0	C90	C180	C270
0°	4123	4123	4123	4123
15°	1576	1576	1576	1576
30°	142	142	142	142
45°	34	34	34	34
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
	co	/ 1000 I	m	

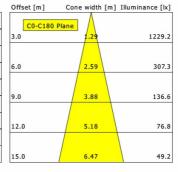


η	LED		
Efficiency	82 lm/W		
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	43 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	10.6		
UGR C90/C270	10.6		
CIE Flux Codes	97 100 100 100 100		
Ra/CRI	>80		

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_SW-MATT, 1xLED 43W 840/4000K 2420lm 20 °)

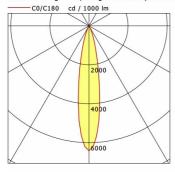


		C0	C90	C180	C270		
()°	4571	4571	4571	4571		
1	5°	1630	1630	1630	1630		
3	0°	118	118	118	118		
4	5°	17	17	17	17		
6	0°	1	1	1	1		
7	5°	0	0	0	0		
9	0°	0	0	0	0		
	cd / 1000 lm						



η	LED
Efficiency	56 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

Dallton Large - Spotlight Insert (DAL-L-RFQ 13, 1xLED 43W 840/4000K 3200lm 20 °)



	C0	C90	C180	C270	
0°	6417	6417	6417	6417	
15°	1440	1440	1440	1440	
30°	57	57	57	57	
45°	19	19	19	19	
60°	2	2	2	2	
75°	0	0	0	0	
90°	0	0	0	0	
cd / 1000 lm					

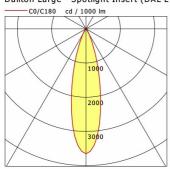
Offset [m]	Cone width [m] Illuminance [lx]
C0-C180		
3.0	1 <mark>.0</mark> 2	2281.7
6.0	2.04	570.4
9.0	3.06	253.
12.0	4.08	142.6
15.0	5.11	91.3

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	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	98 100 100 100 100
Ra/CRI	>80

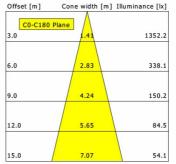
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DAL-L-LK 102.840.20/DALI

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_CH, 1xLED 43W 840/4000K 3330lm 20 °)

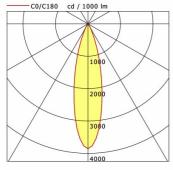


	C0	C90	C180	C270
0°	3655	3655	3655	3655
15°	1517	1517	1517	1517
30°	177	177	177	177
45°	42	42	42	42
60°	8	8	8	8
75°	0	0	0	0
90°	0	0	0	0
	co	1 / 1000	m	

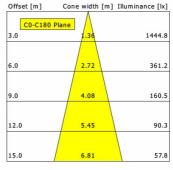


η	LED
Efficiency	78 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	11.7
UGR C90/C270	11.7
CIE Flux Codes	95 100 100 100 100
Ra/CRI	>80

Dallton Large - Spotlight Insert (DAL-L-RTR 23_SI-MATT, 1xLED 43W 840/4000K 3370lm 20 °)

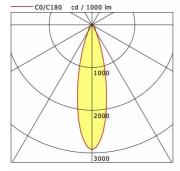


	C0	C90	C180	C270
0°	3859	3859	3859	3859
15°	1533	1533	1533	1533
30°	148	148	148	148
45°	44	44	44	44
60°	10	10	10	10
75°	1	1	1	1
90°	0	0	0	0
	co	i / 1000 I	m	



η Efficiency	LE:		
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	43 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	13.3		
UGR C90/C270	13.3		
CIE Flux Codes	95 99 100 100 100		
Ra/CRI	>80		

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_WS-MATT, 1xLED 43W 840/4000K 3270lm 20 °)

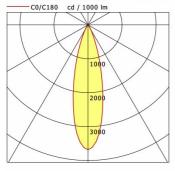


	C0	C90	C180	C270		
0°	2926	2926	2926	2926		
15°	1214	1214	1214	1214		
30°	194	194	194	194		
45°	99	99	99	99		
60°	53	53	53	53		
75°	8	8	8	8		
90°	0	0	0	0		
	cd / 1000 lm					

Offset [m]	Cone width [m]	Illuminance [lx]
C0-C180		
3.0	1.41	1063.0
6.0	2.82	265.8
9.0	4.23	118.1
12.0	5.64	66.4
15.0	7.05	42.5

n	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	20.7		
UGR C90/C270	20.7		
CIE Flux Codes	83 96 100 100 100		
Ra/CRI	>80		

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_CH-SW, 1xLED 43W 840/4000K 2890lm 20 °)



	C0	C90	C180	C270
0°	3684	3684	3684	3684
15°	1548	1548	1548	1548
30°	175	175	175	175
45°	36	36	36	36
60°	5	5	5	5
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				

Offset [m]	Cone width [m] II	luminance [lx]
C0-C180	Plane	
3.0	1.43	1183.0
6.0	2.85	295.7
0.0	2.03	233.7
9.0	4.28	131.4
12.0	5.71	73.9
15.0	7.14	47.3

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	10.1		
UGR C90/C270	10.1		
CIE Flux Codes	96 100 100 100 100		
Ra/CRI	>80		

LTS

Recessed Spotlights · Dallton Large System

DAL-L-LK 102.840.20/DALI

Accessories





DAL-L-ZBW 13.23 honeycomb louvre



ZB-OR DONGLEOrganic Response IR dongle kit



ZB-OR GATEWAYOrganic Response IoT Gateway Cascade Series



ZB-OR-R SENSOROrganic Response sensor for recessed mounting