DAL-L-LK 101.830.20/DALI





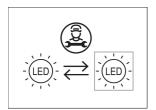


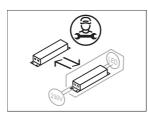






Colours	Article no.	EAN
silver	660952	4043544697691





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

LED Spot / CRI 80 / 3000 K

EPREL light sources 851239

L90 B50 50.000 h **Lifetime**L80 B50 100.000 h
L80 B20 50.000 h

 System power
 28.0 W

 Luminaire luminous flux
 max. 2350 lm

 System efficiency
 66.78 lm/W

 Module efficiency
 158.91 lm/W

 UGR class
 ≤16

Beam angle 20°

Supply voltage 220 - 240 V / 50 - 60 Hz

Protection class III

Type of protection IP20

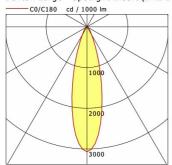
Dimensions / Weights

Outer diameter124 mmHeight149 mmRecessed depth200 mmDiameter of light head124 mmNet weight1.31 kgGross weight1.38 kg

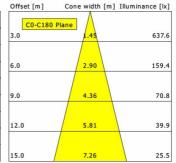


DAL-L-LK 101.830.20/DALI

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_SI-MATT, 1xLED 28W 830/3000K 1870lm 20 °)



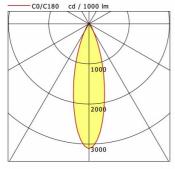
	C0	C90	C180	C270
0°	3069	3069	3069	3069
15°	1329	1329	1329	1329
30°	226	226	226	226
45°	79	79	79	79
60°	20	20	20	20
75°	1	1	1	1
90°	0	0	0	0
	cc	1 / 1000 I	m	



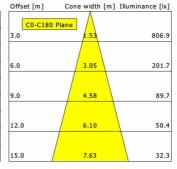
η	LED
Efficiency	67 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	14.2
UGR C90/C270	14.2
CIE Flux Codes	90 99 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23_CH, 1xLED 28W 830/3000K 2330lm 20 °)

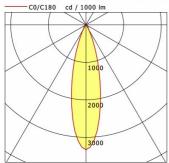


	C0	C90	C180	C270
0°	3117	3117	3117	3117
15°	1459	1459	1459	1459
30°	229	229	229	229
45°	56	56	56	56
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				



η	LEC 83 lm/W		
Efficiency			
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	28 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	12.8		
UGR C90/C270	12.8		
CIE Flux Codes	95 100 100 100 100		
Ra/CRI	>80		

Dallton Large - Spotlight Insert (DAL-L-RTR 23_WS-MATT, 1xLED 28W 830/3000K 2350lm 20 °)

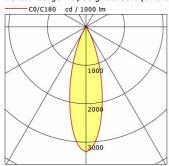


	C0	C90	C180	C270
0°	3333	3333	3333	3333
15°	1388	1388	1388	1388
30°	160	160	160	160
45°	72	72	72	72
60°	33	33	33	33
75°	6	6	6	6
90°	0	0	0	0
	cd / 1000 lm			

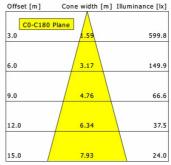
Offset [m]	Cone width [m]	Illuminance [lx]
C0-C180	Plane	
3.0	1.41	870.2
		247.5
6.0	2.82	217.5
9.0	4.23	96.7
12.0	5.63	54.4
15.0	7.04	34.8

η	LED		
Efficiency	84 lm/W		
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	28 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	18.0		
UGR C90/C270	18.0		
CIE Flux Codes	88 97 100 100 100		
Ra/CRI	>80		

Dallton Large - Spotlight Insert (DAL-L-RTR 23_SW-MATT, 1xLED 28W 830/3000K 1660lm 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				



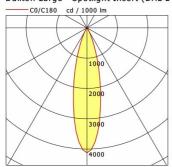
η	LED
Efficiency	59 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	98 100 100 100 100
Ra/CRI	>80

LTS

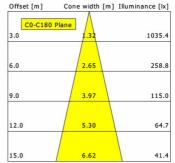
LTS LOVE TO SHINE

DAL-L-LK 101.830.20/DALI

Dallton Large - Spotlight Insert (DAL-L-RTR 23_CH-SW, 1xLED 28W 830/3000K 2260lm 20 °)

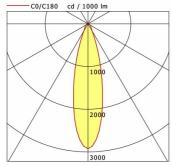


	C0	C90	C180	C270
0°	4123	4123	4123	4123
15°	1576	1576	1576	1576
30°	142	142	142	142
45°	34	34	34	34
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				

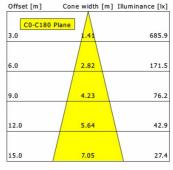


η	LED
Efficiency	81 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	97 100 100 100 100
Ra/CRI	>80

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_WS-MATT, 1xLED 28W 830/3000K 2110lm 20 °)

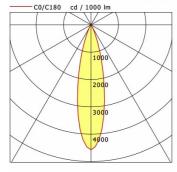


	C0	C90	C180	C270
0°	2926	2926	2926	2926
15°	1214	1214	1214	1214
30°	194	194	194	194
45°	99	99	99	99
60°	53	53	53	53
75°	8	8	8	8
90°	0	0	0	0

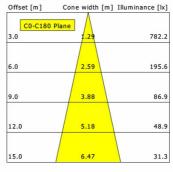


η	LEI		
Efficiency	76 lm/W		
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	28 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	19.2		
UGR C90/C270	19.2		
CIE Flux Codes	83 96 100 100 100		
Ra/CRI	>80		

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_SW-MATT, 1xLED 28W 830/3000K 1540lm 20 °)

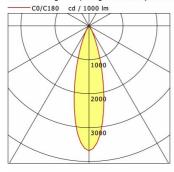


0	C180	
	CIOO	C270
71	4571	4571
30	1630	1630
8	118	118
7	17	17
	1	1
ii.	0	0
	0	0
)	0



η	LED		
Efficiency	55 lm/W		
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	28 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-RTQ 13_CH-SW, 1xLED 28W 830/3000K 1840lm 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] I	lluminance [lx]
C0-C180		
3.0	1.43	753.2
6.0	2.85	188.3
9.0	4.28	83.7
12.0	5.71	47.1
15.0	7.14	30.1

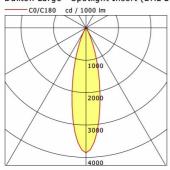
η	LED
Efficiency	66 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

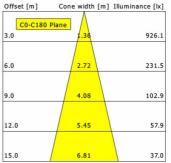
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Dallton Large - Spotlight Insert (DAL-L-RTR 23_SI-MATT, 1xLED 28W 830/3000K 2160lm 20 °)

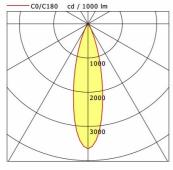


	C0	C90	C180	C270
0°	3859	3859	3859	3859
15°	1533	1533	1533	1533
30°	148	148	148	148
45°	44	44	44	44
60°	10	10	10	10
75°	1	1	1	1
90°	0	0	0	0
	co	i / 1000 I	m	

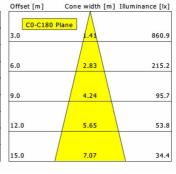


η	LED
Efficiency	77 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	11.8
UGR C90/C270	11.8
CIE Flux Codes	95 99 100 100 100
Ra/CRI	>80

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_CH, 1xLED 28W 830/3000K 2120lm 20 °)

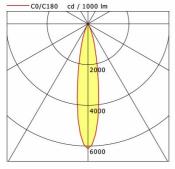


	C0	C90	C180	C270
0°	3655	3655	3655	3655
15°	1517	1517	1517	1517
30°	177	177	177	177
45°	42	42	42	42
60°	8	8	8	8
75°	0	0	0	0
90°	0	0	0	0
	co	1 / 1000	m	



η	LED		
Efficiency	76 lm/W ↓ 100% / ↑ 0%		
Direct/Indirect			
System Power	28 V		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20 10.2		
UGR C0/C180			
UGR C90/C270	10.2		
CIE Flux Codes	95 100 100 100 100		
Ra/CRI	>80		

Dallton Large - Spotlight Insert (DAL-L-RFR 23, 1xLED 28W 830/3000K 2150lm 20 °)

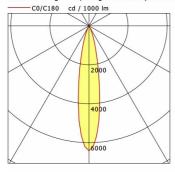


	C0	C90	C180	C270	
0°	6132	6132	6132	6132	
15°	1430	1430	1430	1430	
30°	69	69	69	69	
45°	16	16	16	16	
60°	1	1	1	1	
75°	0	0	0	0	
90°	0	0	0	0	
	cd / 1000 lm				

Offset [m]	Cone width [m] Illuminance [lx]
C0-C180		
3.0	1 <mark>.0</mark> ₿	1464.9
6.0	2.05	366.2
9.0	3.08	162.8
12.0	4.10	91.6
15.0	5.13	58.6

η	LED	
Efficiency	77 lm/W	
Direct/Indirect	↓ 100% / ↑ 0%	
System Power	28 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 28W 830/3000K 2040lm 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	Plane	
3.0	1/.02	1454.6
6.0	2.04	363.7
9.0	3.06	161.6
9.0	3.06	101.0
	100	
12.0	4.08	90.9
15.0	5.11	58.2

η	LED		
Efficiency	73 lm/W		
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	28 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

DAL-L-LK 101.830.20/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