DAL-L-LK 101.840.50/DALI





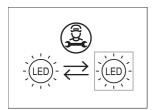


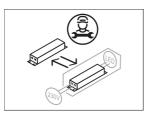






Colours	Article no.	EAN
silver	660962	4043544697790





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 power
 28.0 W

 Luminaire luminous flux
 max. 2340 lm

 System efficiency
 83.21 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

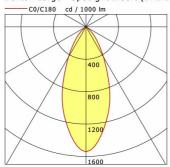
Dimensions / Weights

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

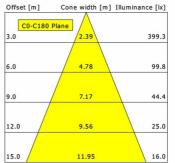
LTS LOVE TO SHINE

DAL-L-LK 101.840.50/DALI

Dallton Large - Spotlight Insert (DAL-L-RTR 23_CH, 1xLED 28W 840/4000K 2330lm 50 °)

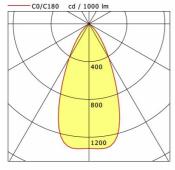


	C0	C90	C180	C270
0°	1543	1543	1543	1543
15°	1077	1077	1077	1077
30°	431	431	431	431
45°	114	114	114	114
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				

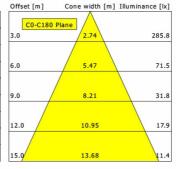


η	LED
Efficiency	83 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.8
UGR C90/C270	17.8
CIE Flux Codes	92 100 100 100 100
Ra/CRI	>80

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_CH-SW, 1xLED 28W 840/4000K 1950lm 50 °)

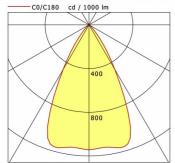


	C0	C90	C180	C270
0°	1319	1319	1319	1319
15°	1193	1193	1193	1193
30°	417	417	417	417
45°	85	85	85	85
60°	8	8	8	8
75°	0	0	0	0
90°	0	0	0	0
	co	1 / 1000	m	

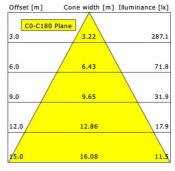


η	LEI		
Efficiency	70 lm/		
Direct/Indirect	↓ 100% / ↑ 0% 28 V		
System Power			
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	14.9		
UGR C90/C270	14.9		
CIE Flux Codes	93 100 100 100 100		
Ra/CRI	>80		

Dallton Large - Spotlight Insert (DAL-L-RFR 23, 1xLED 28W 840/4000K 2260lm 50 °)

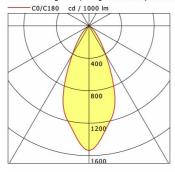


	C0	C90	C180	C270	
0°	1143	1143	1143	1143	
15°	1162	1162	1162	1162	
30°	471	471	471	471	
45°	46	46	46	46	
60°	0	0	0	0	
75°	0	0	0	0	
90°	0	0	0	0	
	cd / 1000 lm				

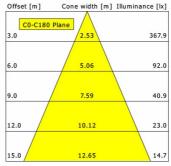


η	LED		
Efficiency	81 lm/W		
Direct/Indirect \ \ \ 100% /			
System Power	28 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	15.5		
UGR C90/C270	15.5		
CIE Flux Codes	97 100 100 100 100		
Ra/CRI	>80		

Dallton Large - Spotlight Insert (DAL-L-RTR 23_SI-MATT, 1xLED 28W 840/4000K 2150lm 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	
cd / 1000 lm					



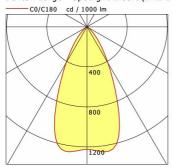
η	LED
Efficiency	77 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.7
UGR C90/C270	16.7
CIE Flux Codes	92 99 100 100 100
Ra/CRI	>80

LTS

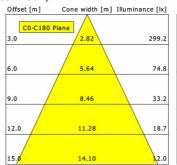


DAL-L-LK 101.840.50/DALI

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_CH, 1xLED 28W 840/4000K 2200lm 50 °)

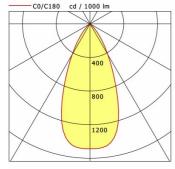


	C0	C90	C180	C270
0°	1224	1224	1224	1224
15°	1182	1182	1182	1182
30°	417	417	417	417
45°	89	89	89	89
60°	11	11	11	11
75°	0	0	0	0
90°	0	0	0	0

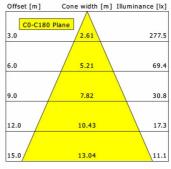


1997	
η	LED
Efficiency	79 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	15.6
UGR C90/C270	15.6
CIE Flux Codes	92 100 100 100 100
Ra/CRI	>80

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_SW-MATT, 1xLED 28W 840/4000K 1680lm $\,$ 50 °)

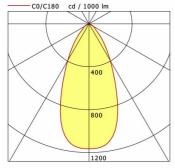


	C0	C90	C180	C270
0°	1487	1487	1487	1487
15°	1268	1268	1268	1268
30°	423	423	423	423
45°	55	55	55	55
60°	1	1	1	1
75°	0	0	0	0
90°	0	0	0	0
	co	1 / 1000 I	m	

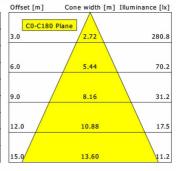


η	LEI		
Efficiency	60 lm/W		
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	28 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	13.4		
UGR C90/C270	13.4		
CIE Flux Codes	96 100 100 100 100		
Ra/CRI	>80		

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_WS-MATT, 1xLED 28W 840/4000K 2170lm 50 °)

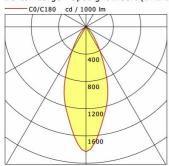


	C0	C90	C180	C270
0°	1165	1165	1165	1165
15°	982	982	982	982
30°	394	394	394	394
45°	120	120	120	120
60°	47	47	47	47
75°	7	7	7	7
90°	0	0	0	0
	cd / 1000 lm			

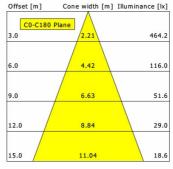


η	LED 78 lm/W		
Efficiency			
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	28 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	19.4		
UGR C90/C270	19.4		
CIE Flux Codes	83 96 100 100 100		
Ra/CRI	>80		

Dallton Large - Spotlight Insert (DAL-L-RTR 23_CH-SW, 1xLED 28W 840/4000K 2280lm 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			



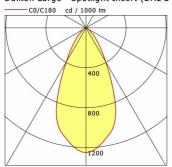
η	LED
Efficiency	82 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.2
UGR C90/C270	16.2
CIE Flux Codes	94 100 100 100 100
Ra/CRI	>80

LTS

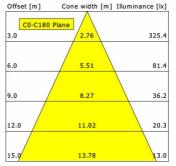


DAL-L-LK 101.840.50/DALI

Dallton Large - Spotlight Insert (DAL-L-RTR 23_WS-MATT, 1xLED 28W 840/4000K 2340lm 50 °)

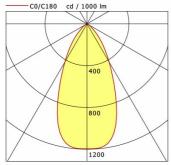


	C0	C90	C180	C270
0°	1252	1252	1252	1252
15°	1041	1041	1041	1041
30°	394	394	394	394
45°	111	111	111	111
60°	32	32	32	32
75°	6	6	6	6
90°	0	0	0	0

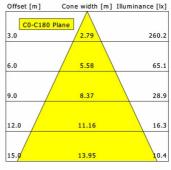


LED
84 lm/W
↓ 100% / ↑ 0%
28 W
X=4H, Y=8H
70/50/20
19.5
19.5
86 97 100 100 100
>80

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_SI-MATT, 1xLED 28W 840/4000K 1960lm 50 °)

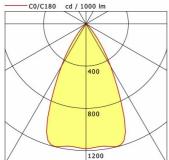


	C0	C90	C180	C270
0°	1195	1195	1195	1195
15°	1037	1037	1037	1037
30°	421	421	421	421
45°	116	116	116	116
60°	24	24	24	24
75°	1	1	1	1
90°	0	0	0	0
	co	1 / 1000	m	

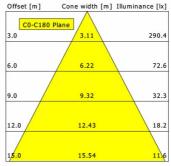


η	LED
Efficiency	70 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.0
UGR C90/C270	17.0
CIE Flux Codes	87 99 100 100 100
Ra/CRI	>80

Dallton Large - Spotlight Insert (DAL-L-RFQ 13, 1xLED 28W 840/4000K 2210lm $\,$ 50 °)

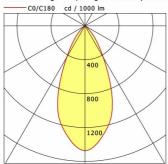


	C0	C90	C180	C270
0°	1183	1183	1183	1183
15°	1198	1198	1198	1198
30°	464	464	464	464
45°	47	47	47	47
60°	2	2	2	2
75°	1	1	1	1
90°	0	0	0	0
	cd / 1000 lm			

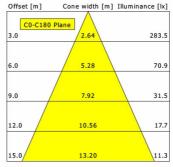


η	LED 79 lm/W		
Efficiency			
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	28 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	14.2		
UGR C90/C270	14.2		
CIE Flux Codes	96 100 100 100 100		
Ra/CRI	>80		

Dallton Large - Spotlight Insert (DAL-L-RTR 23_SW-MATT, 1xLED 28W 840/4000K 1730lm 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			



η Efficiency Direct/Indirect System Power	LED 62 lm/W ↓ 100% / † 0% 28 W		
		UGR	X=4H, Y=8H
		Reflection factors	70/50/20
		UGR C0/C180	15.7
UGR C90/C270	15.7		
CIE Flux Codes	94 100 100 100 100		
Ra/CRI	>80		

LTS

Recessed Spotlights · Dallton Large System

DAL-L-LK 101.840.50/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