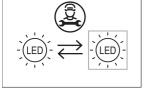
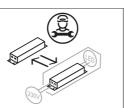
Recessed Spotlights · Dallton Large System

DAL-L-LK 101.830.50/DALI



Colours	Article no.	EAN
silver	660956	4043544697738
		(3)
	$\overline{\mathbf{S}}$	(, , , , , , , , , , , , , , , , , , ,







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 851239 L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h 28.0 W max. 2230 lm 57.50 lm/W 158.91 lm/W ≤19 50° 220 - 240 V / 50 - 60 Hz III IP20

LED Spot / CRI 80 / 3000 K

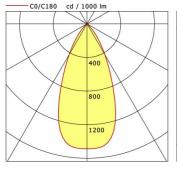
Dimensions / Weights

Outer diameter	124 mm
Height	149 mm
Recessed depth	200 mm
Diameter of light head	124 mm
Netweight	1.31 kg
Gross weight	1.38 kg

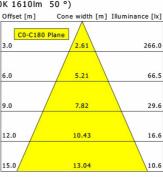
LOVE TO SHINE

DAL-L-LK 101.830.50/DALI

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_SW-MATT, 1xLED 28W 830/3000K 1610lm 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
cd / 1000 lm				



3.0

6.0

9.0

3.0

6.0

9.0

12.0

15.0

3

6

9

1

1

3.0

6.0

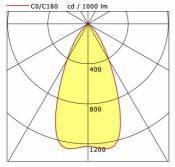
9.0

12.0

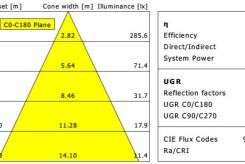
15.0

η	LED
Efficiency	58 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	13.2
UGR C90/C270	13.2
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_CH, 1xLED 28W 830/3000K 2100Im 50 °) Offset [m]

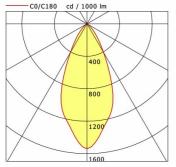


	C0	C90	C180	C270
0°	1224	1224	1224	1224
15°	1182	1182	1182	1182
30°	417	417	417	417
45°	89	89	89	89
60°	11	11	11	11
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				



η	LED
Efficiency	75 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	15.4
UGR C90/C270	15.4
CIE Flux Codes	92 100 100 100 100
Ra/CRI	>80

Dallton Large - Spotlight Insert (DAL-L-RTR 23_SI-MATT, 1xLED 28W 830/3000K 2050lm 50 °) Offset [m] Cone width [m] Illuminance [lx]

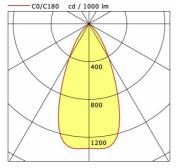


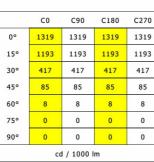
	C0	C90	C180	C270
0°	1540	1540	1540	1540
15°	1135	1135	1135	1135
30°	406	406	406	406
45°	91	91	91	91
60°	11	11	11	11
75°	1	1	1	1
90°	0	0	0	0
cd / 1000 lm				

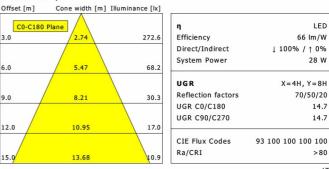
maee [m]	cone widen [m] n	annuance [ix]
C0-C180 PI	ane 2.53	350.8
.0	2.55	350.8
.0	5.06	87.7
.0	7.59	39.0
2.0	10.12	21.9
5.0	12.65	14.0

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	16.5	
UGR C90/C270	16.5	
CIE Flux Codes	92 99 100 100 100	
Ra/CRI	>80	

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_CH-SW, 1xLED 28W 830/3000K 1860Im 50 °)



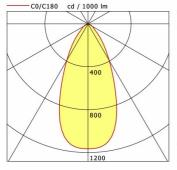




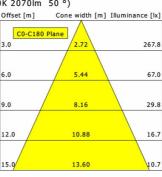
LTS

DAL-L-LK 101.830.50/DALI

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_WS-MATT, 1xLED 28W 830/3000K 2070lm 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				



3.0

6.0

9.0

15.0

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	74 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	19.3
UGR C90/C270	19.3
CIE Flux Codes	83 96 100 100 100
Ra/CRI	>80

LOVE TO SHINE

LTS

LED

28 W

78 lm/W

70/50/20

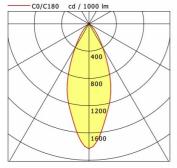
16.1

16.1

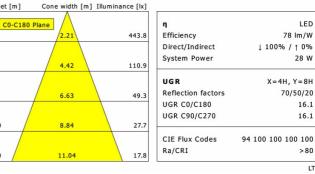
>80

LTS

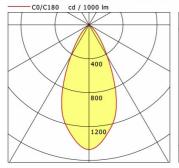
Dallton Large - Spotlight Insert (DAL-L-RTR 23_CH-SW, 1xLED 28W 830/3000K 2180Im 50 °) Offset [m]



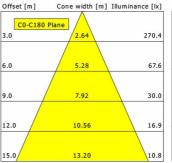
	C0	C90	C180	C270
0°	1832	1832	1832	1832
15°	1176	1176	1176	1176
30°	404	404	404	404
45°	82	82	82	82
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				



Dallton Large - Spotlight Insert (DAL-L-RTR 23_SW-MATT, 1xLED 28W 830/3000K 1650lm 50 °)

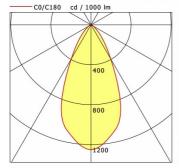


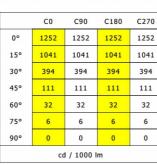
	C0	C90	C180	C270
0°	1475	1475	1475	1475
15°	1154	1154	1154	1154
30°	429	429	429	429
45°	90	90	90	90
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				

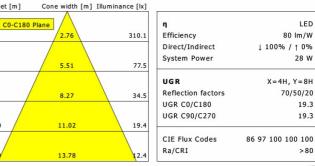


η	LED		
Efficiency	59 lm/W		
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	28 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	15.6		
UGR C90/C270	15.6		
CIE Flux Codes	94 100 100 100 100		
Ra/CRI	>80		

Dallton Large - Spotlight Insert (DAL-L-RTR 23_WS-MATT, 1xLED 28W 830/3000K 2230Im 50 °)





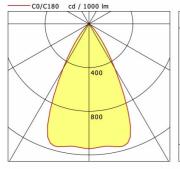


LTS



DAL-L-LK 101.830.50/DALI

Dallton Large - Spotlight Insert (DAL-L-RFR 23, 1xLED 28W 830/3000K 2160lm 50 °)

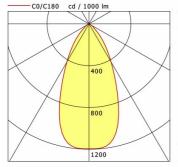


	C0	C90	C180	C270
0°	1143	1143	1143	1143
15°	1162	1162	1162	1162
30°	471	471	471	471
45°	46	46	46	46
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
	co	i / 1000 I	m	



η	LED 77 lm/W		
Efficiency			
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	28 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	15.3		
UGR C90/C270	15.3		
CIE Flux Codes	97 100 100 100 100		
Ra/CRI	> 80		

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_SI-MATT, 1xLED 28W 830/3000K 1870lm 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
cd / 1000 lm				

3.0

6.0

9.0

15.0

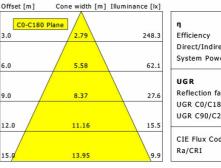
3.0

6.0

9.0

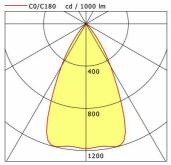
12.0

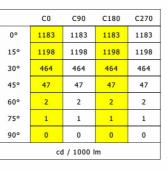
15.0

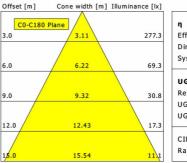


η	LEC		
Efficiency	67 lm/W ↓ 100% / ↑ 0%		
Direct/Indirect			
System Power	28 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	16.8		
UGR C90/C270	16.8		
CIE Flux Codes	87 99 100 100 100		
Ra/CRI	> 80		

Dallton Large - Spotlight Insert (DAL-L-RFQ 13, 1xLED 28W 830/3000K 2110lm 50 °)

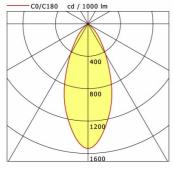


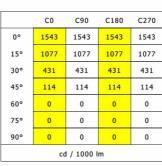


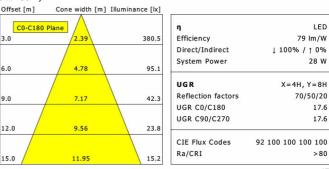


η	LED
Efficiency	75 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	14.1
UGR C90/C270	14.1
CIE Flux Codes	96 100 100 100 100
Ra/CRI	> 80

Dallton Large - Spotlight Insert (DAL-L-RTR 23_CH, 1xLED 28W 830/3000K 2220Im 50 °)







>80 LTS

LED

28 W

17.6

17.6

Recessed Spotlights · Dallton Large System

DAL-L-LK 101.830.50/DALI

Accessories



DAL-L-ZBW 13.23 honeycomb louvre







ZB-OR GATEWAY Organic Response IoT Gateway Cascade Series



ZB-OR-R SENSOR Organic Response sensor for recessed mounting

