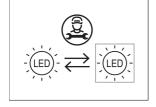
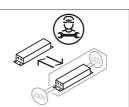


Colours	Article no.	EAN
silver	661033	4043544698506







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
- 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) included (external placement)

Standard options



Special options



Lighting data / Norms

Lamps

Lifetime

System power Luminaire luminous flux System efficiency Module efficiency UGR class Beam angle Supply voltage Protection class Type of protection LED Spot / CRI 80 / 4000 K L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h 15.0 W max. 1050 lm 56.66 lm/W 160.65 lm/W ≤19 50° 220 - 240 V / 50 - 60 Hz III IP20

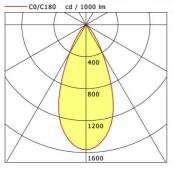
Dimensions / Weights

Outer diameter82 mmHeight103 mmRecessed depth135 mmDiameter of light head82 mmNet weight0.65 kgGross weight0.69 kg

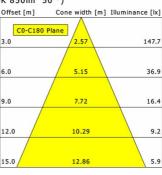
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Dallton Small - Spotlight Insert (DAL-S-RTR 21_SW-MATT, 1xLED 15W 840/4000K 850Im 50 °)



	C0	C90	C180	C270
0°	1564	1564	1564	1564
15°	1249	1249	1249	1249
30°	410	410	410	410
45°	63	63	63	63
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
	cc	i / 1000 I	m	



3.0

6.0

9.0

3.0

6.0

9.0

12.0

15.0

3.0

6.0

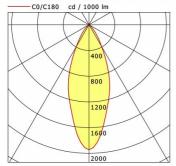
9.0

12.0

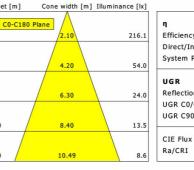
15.0

LED 57 lm/W ↓ 100% / ↑ 0% 15 W
↓ 100% / ↑ 0%
15 W
X = 4H, Y = 8H
70/50/20
15.0
15.0
5 100 100 100 100
>80

Dallton Small - Spotlight Insert (DAL-S-RTR 21_CH, 1xLED 15W 840/4000K 1000Im 50 °) Offset [m]

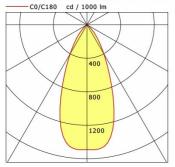


C0 C90 C180 C270				
0°	1945	1945	1945	1945
15°	1187	1187	1187	1187
30°	397	397	397	397
45°	71	71	71	71
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				



η	LED
Efficiency	67 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	15 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	15.8
UGR C90/C270	15.8
CIE Flux Codes	95 100 100 100 100
Ra/CRI	>80

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_CH, 1xLED 15W 840/4000K 970Im 50 °) Of

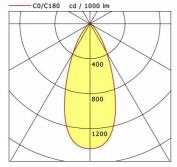


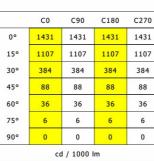
	C0	C90	C180	C270
0°	1490	1490	1490	1490
15°	1224	1224	1224	1224
30°	400	400	400	400
45°	75	75	75	75
60°	8	8	8	8
75°	0	0	0	0
90°	0	0	0	0
	co	1 / 1000 I	m	

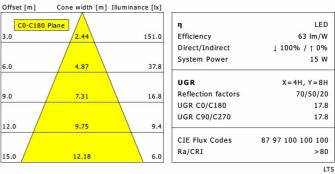
Offset [m]	Cone width [m] Ill	uminance [lx]	
C0-C180 3.0) Plane 2.49	160.6	ŋ Effici
6.0	4.98	40.2	Direo Syste
9.0	7.47	17.8	UGR Refle
12.0	9.95	10.0	UGR UGR
15.0	12.44	6.4	CIE F Ra/C

η	LED	
Efficiency	65 lm/W ↓ 100% / ↑ 0%	
Direct/Indirect		
System Power	15 W	
UGR	X=4H, Y=8H	
Reflection factors	70/50/20	
UGR C0/C180	15.0	
UGR C90/C270	15.0	
CIE Flux Codes	93 100 100 100 100	
Ra/CRI	> 80	

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_WS-MATT, 1xLED 15W 840/4000K 950Im 50 °)

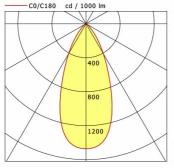




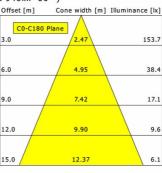




Dallton Small - Spotlight Insert (DAL-S-RTQ 11_SI-MATT, 1xLED 15W 840/4000K 940Im 50 °)



	C0	C90	C180	C270	
0°	1472	1472	1472	1472	
15°	1157	1157	1157	1157	
30°	407	407	407	407	
45°	82	82	82	82	
60°	17	17	17	17	
75°	1	1	1	1	
90°	0	0	0	0	
	cc	i / 1000 I	m		



3.0

6.0

9.0

3.0

6.0

9.0

12.0

15.0

Offset [m]

3.0

6.0

9.0

12.0

15.0

C0-C1

η	LED	
Efficiency	63 lm/W ↓ 100% / ↑ 0%	
Direct/Indirect		
System Power	15 W	
UGR	X=4H, Y=8H	
Reflection factors	70/50/20	
UGR C0/C180	15.	
UGR C90/C270	15.7	
CIE Flux Codes	91 99 100 100 100	
Ra/CRI	> 80	

LED

15 W

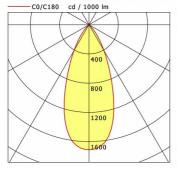
12.8

12.8

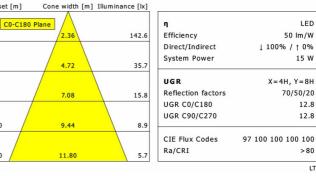
>80

LTS

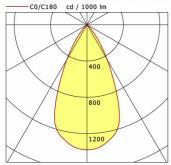
Dallton Small - Spotlight Insert (DAL-S-RTQ 11_SW-MATT, 1xLED 15W 840/4000K 750lm 50 °) Offset [m]

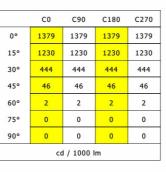


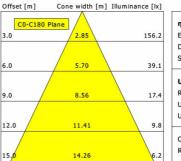
C0 C90 C180 C270				
0°	1712	1712	1712	1712
15°	1294	1294	1294	1294
30°	408	408	408	408
45°	46	46	46	46
60°	1	1	1	1
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				



Dallton Small - Spotlight Insert (DAL-S-RFQ 11, 1xLED 15W 840/4000K 1020lm 50 °)

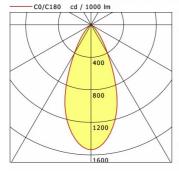


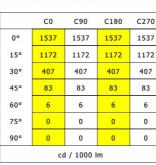




η	LED	
Efficiency	68 lm/W	
Direct/Indirect	↓ 100% / ↑ 0%	
System Power	15 W	
UGR	X=4H, Y=8H	
Reflection factors	70/50/20	
UGR C0/C180	14.1	
UGR C90/C270	14.1	
CIE Flux Codes	97 100 100 100 100	
Ra/CRI	> 80	

Dallton Small - Spotlight Insert (DAL-S-RTR 21_SI-MATT, 1xLED 15W 840/4000K 980Im 50 °)



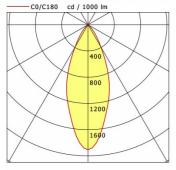


Cone width [m] Illumina	nce [lx]		
80 Plane 2.52	167.3	n Efficiency	LED 65 lm/W
5.04	41.8	Direct/Indirect System Power	↓ 100% / ↑ 0% 15 W
7.57	18.6	UGR Reflection factors UGR C0/C180	X=4H, Y=8H 70/50/20 16.4
10.09	10.5	UGR C90/C270	16.4
12.61	6.7	CIE Flux Codes Ra/CRI	93 100 100 100 100 >80

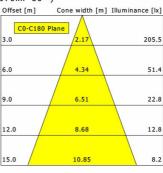
LTS



Dallton Small - Spotlight Insert (DAL-S-RTR 21_CH-SW, 1xLED 15W 840/4000K 970Im 50 °)

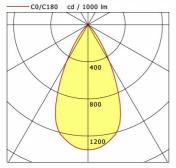


	C0	C90	C180	C270
0°	1907	1907	1907	1907
15°	1203	1203	1203	1203
30°	398	398	398	398
45°	68	68	68	68
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
	cc	/ 1000	m	

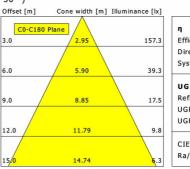


η	LED	
Efficiency	65 lm/W	
Direct/Indirect	↓ 100% / ↑ 0%	
System Power	15 W	
UGR	X=4H, Y=8H	
Reflection factors	70/50/20	
UGR C0/C180	15.5	
UGR C90/C270	15.5	
CIE Flux Codes	95 100 100 100 100	
Ra/CRI	>80	

Dallton Small - Spotlight Insert (DAL-S-RFR 21, 1xLED 15W 840/4000K 1050lm 50 °)

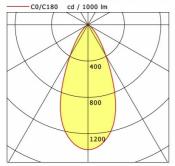


	C0	C90	C180	C270
0°	1348	1348	1348	1348
15°	1198	1198	1198	1198
30°	464	464	464	464
45°	49	49	49	49
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				



η	LED	
Efficiency	70 lm/W	
Direct/Indirect	↓ 100% / ↑ 0%	
System Power	15 W	
UGR	X=4H, Y=8H	
Reflection factors	70/50/20	
UGR C0/C180	15.8	
UGR C90/C270	15.8	
CIE Flux Codes	97 100 100 100 100	
Ra/CRI	> 80	

Dallton Small - Spotlight Insert (DAL-S-RTR 21_WS-MATT, 1xLED 15W 840/4000K 1020Im 50 °) Offset [m]



	C0	C90	C180	C270
0°	1377	1377	1377	1377
15°	1108	1108	1108	1108
30°	392	392	392	392
45°	96	96	96	96
60°	25	25	25	25
75°	4	4	4	4
90°	0	0	0	0
	cc	1 / 1000 I	m	

3

6

9

1

1

3.0

6.0

9.0

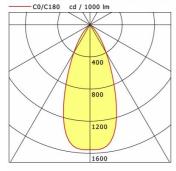
12.0

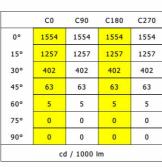
15.0

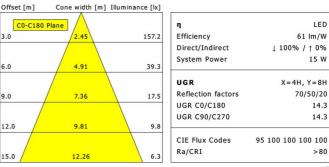
ffset [m]	Cone width [m] I	lluminance [lx]	
C0-C180 P			η
.0	2.62	156.1	E
.0	5.24	39.0	D S
.0	7.86	17.3	U R
2.0	10.48	9.8	U U
5.0	13.09	6.2	C R

η	LED	
Efficiency	68 lm/W	
Direct/Indirect	↓ 100% / ↑ 0%	
System Power	15 W	
UGR	X=4H, Y=8H	
Reflection factors	70/50/20	
UGR C0/C180	18.4	
UGR C90/C270	18.4	
CIE Flux Codes	88 98 100 100 100	
Ra/CRI	>80	

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_CH-SW, 1xLED 15W 840/4000K 910Im 50 °)







Recessed Spotlights · Dallton Small System



Accessories



DAL-S-ZBW 11.21 honeycomb louvre

