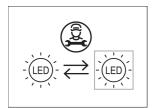
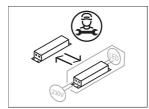




Colours	Article no.	EAN
silver	661041	4043544698582















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 LED Spot / CRI 80 / 3000 K

EPREL light sources 992480

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

System power 22.0 W Luminaire luminous flux max. 1580 lm System efficiency 67.72 lm/W Module efficiency 157.83 lm/W UGR class ≤16 Beam angle

Supply voltage 220 - 240 V / 50 - 60 Hz

Protection class Type of protection IP20

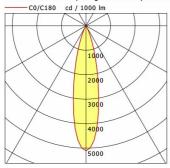
Dimensions / Weights

Outer diameter 82 mm Height 103 mm Recessed depth 135 mm Diameter of light head 82 mm Net weight 0.66 kg Gross weight 0.70 kg

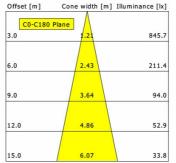


DAL-S-LK 101.830.20

Dallton Small - Spotlight Insert (DAL-S-RFR 21, 1xLED 22W 830/3000K 1490lm 20 °)

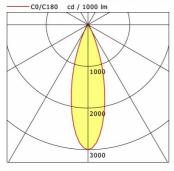


	C0	C90	C180	C270
0°	5108	5108	5108	5108
15°	1640	1640	1640	1640
30°	76	76	76	76
45°	10	10	10	10
60°	1	1	1	1
75°	1	1	1	1
90°	0	0	0	0
cd / 1000 lm				

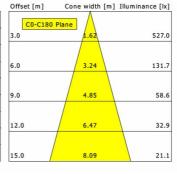


LED
68 lm/W
↓ 100% / ↑ 0%
22 W
X=4H, Y=8H
70/50/20
<10.0
<10.0
99 100 100 100 100
>80

Dallton Small - Spotlight Insert (DAL-S-RTR 21_WS-MATT, 1xLED 22W 830/3000K 1580lm 20 °)

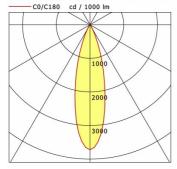


	C0	C90	C180	C270
0°	3002	3002	3002	3002
15°	1513	1513	1513	1513
30°	171	171	171	171
45°	51	51	51	51
60°	23	23	23	23
75°	4	4	4	4
90°	0	0	0	0
	co	1 / 1000	m	

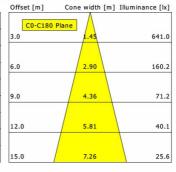


η	LED		
Efficiency	72 lm/W		
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	22 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180			
UGR C90/C270	17.2		
CIE Flux Codes	92 98 100 100 100		
Ra/CRI	>80		

Dallton Small - Spotlight Insert (DAL-S-RTR 21_CH, 1xLED 22W 830/3000K 1550lm 20 °)

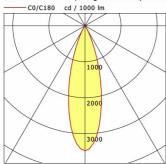


C0 3722	C90 3722	C180	C270
	3722	3722	2722
		0,22	3722
1616	1616	1616	1616
152	152	152	152
26	26	26	26
0	0	0	0
0	0	0	0
0	0	0	0
	26 0 0	26 26 0 0 0 0	26 26 26 0 0 0 0 0 0 0 0

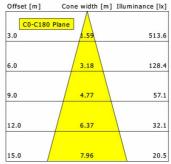


η	LED		
Efficiency	71 lm/W		
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	22 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	<10.0		
UGR C90/C270	<10.0		
CIE Flux Codes	98 100 100 100 100		
Ra/CRI	>80		

Dallton Small - Spotlight Insert (DAL-S-RTR 21_SW-MATT, 1xLED 22W 830/3000K 1330lm 20 °)



	C0	C90	C180	C270	
0°	3475	3475	3475	3475	
15°	1714	1714	1714	1714	
30°	149	149	149	149	
45°	12	12	12	12	
60°	0	0	0	0	
75°	0	0	0	0	
90°	0	0	0	0	
	cd / 1000 lm				



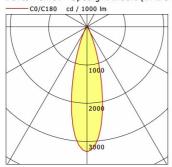
η	LED
Efficiency	61 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	99 100 100 100 100
Ra/CRI	>80

LTS

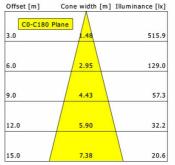


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Dallton Small - Spotlight Insert (DAL-S-RTQ 11_WS-MATT, 1xLED 22W 830/3000K 1420lm 20 °)

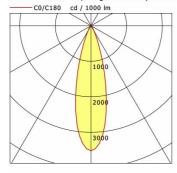


	C0	C90	C180	C270	
0°	3270	3270	3270	3270	
15°	1430	1430	1430	1430	
30°	156	156	156	156	
45°	64	64	64	64	
60°	36	36	36	36	
75°	5	5	5	5	
90°	0	0	0	0	
	cd / 1000 lm				

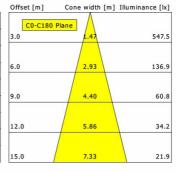


LED		
65 lm/W		
↓ 100% / ↑ 0%		
22 W		
X=4H, Y=8H		
70/50/20		
17.9		
17.9		
89 97 100 100 100		
>80		

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_SI-MATT, 1xLED 22W 830/3000K 1400lm 20 °)

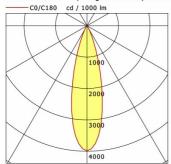


	C0	C90	C180	C270
0°	3520	3520	3520	3520
15°	1522	1522	1522	1522
30°	167	167	167	167
45°	48	48	48	48
60°	14	14	14	14
75°	1	1	1	1
90°	0	0	0	0
	co	1 / 1000	m	

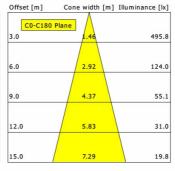


η	LED 64 lm/W	
Efficiency		
Direct/Indirect	↓ 100% / ↑ 0%	
System Power	22	
UGR	X=4H, Y=8H	
Reflection factors	70/50/2	
UGR C0/C180	13.1	
UGR C90/C270	13.1	
CIE Flux Codes	94 99 100 100 100	
Ra/CRI	>80	

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_SW-MATT, 1xLED 22W 830/3000K 1120lm 20 °)

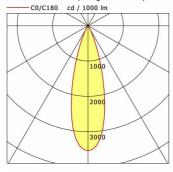


	C0	C90	C180	C270
0°	3984	3984	3984	3984
15°	1703	1703	1703	1703
30°	129	129	129	129
45°	11	11	11	11
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0



η	LED
Efficiency	51 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 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 Small - Spotlight Insert (DAL-S-RTQ 11_CH-SW, 1xLED 22W 830/3000K 1390lm 20 °)



C0	C90	C180	C270
3541	3541	3541	3541
1694	1694	1694	1694
139	139	139	139
22	22	22	22
3	3	3	3
0	0	0	0
0	0	0	0
	3541 1694 139 22 3	3541 3541 1694 1694 139 139 22 22 3 3 0 0	3541 3541 3541 1694 1694 1694 139 139 139 22 22 22 3 3 3 0 0 0

Offset [m]	Cone width [m] Ill	uminance [lx]
C0-C180		
3.0	1.56	546.9
6.0	3.13	136.7
9.0	4.69	60.8
12.0	6.25	34.2
15.0	7.82	21.9

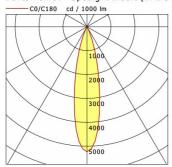
η	LED
Efficiency	63 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	98 100 100 100 100
Ra/CRI	>80

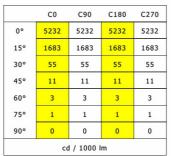
LTS

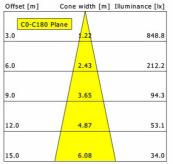


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Dallton Small - Spotlight Insert (DAL-S-RFQ 11, 1xLED 22W 830/3000K 1460lm 20 °)

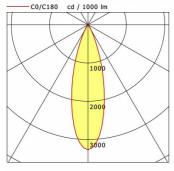


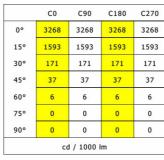


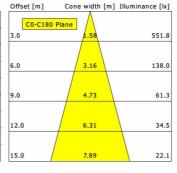


LED
67 lm/W
↓ 100% / ↑ 0%
22 W
X=4H, Y=8H
70/50/20
<10.0
<10.0
99 100 100 100 100
>80

Dallton Small - Spotlight Insert (DAL-S-RTR 21_SI-MATT, 1xLED 22W 830/3000K 1520lm 20 °)

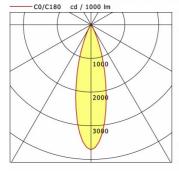




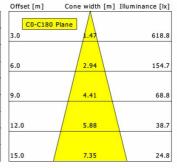


η	LED 69 lm/W	
Efficiency		
Direct/Indirect	↓ 100% / ↑ 0%	
System Power	22 W	
UGR	X=4H, Y=8H	
Reflection factors	70/50/20	
UGR C0/C180	12.2	
UGR C90/C270	12.2	
CIE Flux Codes	96 100 100 100 100	
Ra/CRI	>80	

Dallton Small - Spotlight Insert (DAL-S-RTR 21_CH-SW, 1xLED 22W 830/3000K 1500lm 20 °)

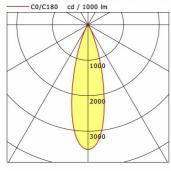


	C0	C90	C180	C270
0°	3713	3713	3713	3713
15°	1640	1640	1640	1640
30°	149	149	149	149
45°	22	22	22	22
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
	co	/ 1000	m	

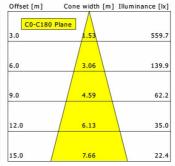


η	LED
Efficiency	68 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	98 100 100 100 100
Ra/CRI	>80

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_CH, 1xLED 22W 830/3000K 1430lm 20 °)



	C0	C90	C180	C270
0°	3523	3523	3523	3523
15°	1631	1631	1631	1631
30°	155	155	155	155
45°	30	30	30	30
60°	6	6	6	6
75°	0	0	0	0
90°	0	0	0	0
	co	1 / 1000 I	m	



η	LED
Efficiency	65 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 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

LTS

Recessed Spotlights · Dallton Small System

DAL-S-LK 101.830.20

Accessories



DAL-S-ZBW 11.21 honeycomb louvre

