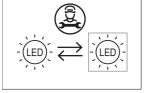
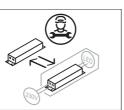


Colours	Article no.	EAN
silver	660975	4043544697929
		(3)







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) included (external placement)

Standard options



Special options

IWARZ	2700 K	CRI 90 SDCM3	

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 L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h 43.0 W max. 3640 lm 56.27 lm/W 162.17 lm/W ≤16 20° 220 - 240 V / 50 - 60 Hz III IP20

LED Spot / CRI 80 / 4000 K

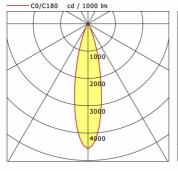
851282

Dimensions / Weights

124 mm
149 mm
200 mm
124 mm
1.33 kg
1.40 kg



Dallton Large - Spotlight Insert (DAL-L-RTQ 13_SW-MATT, 1xLED 43W 840/4000K 2420lm 20 °) Offs



	C0	C90	C180	C270
0°	4571	4571	4571	4571
15°	1630	1630	1630	1630
30°	118	118	118	118
45°	17	17	17	17
60°	1	1	1	1
75°	0	0	0	0
90°	0	0	0	0
	co	i / 1000 I	m	

Offset [m]	Cone width [m] 1	[lluminance [lx]
C0-C180		
3.0	1.29	1229.2
6.0	2.59	307.3
9.0	3.88	136.6
12.0	5.18	76.8
15.0	6.47	49.2

3.0

6.0

9.0

12.0

15.0

3.0

6.0

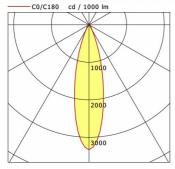
9.0

C0-C180 Plane

η	LED
Efficiency	56 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 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

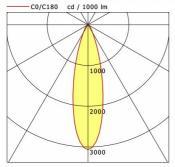
Dallton Large - Spotlight Insert (DAL-L-RTR 23_WS-MATT, 1xLED 43W 840/4000K 3640Im 20 °) Offset [m]



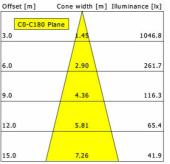
	C0	C90	C180	C270
0°	3333	3333	3333	3333
15°	1388	1388	1388	1388
30°	160	160	160	160
45°	72	72	72	72
60°	33	33	33	33
75°	6	6	6	6
90°	0	0	0	0
cd / 1000 lm				

Cone width [m]	Illuminance [lx]		
Plane	1347.9	n Efficiency	LED 85 lm/W
2.82	337.0	Direct/Indirect System Power	↓ 100% / ↑ 0% 43 W
4.23	149.8	UGR Reflection factors	X=4H, Y=8H 70/50/20
5.63	84.2	UGR C0/C180 UGR C90/C270	19.6 19.6
7.04	53.9	CIE Flux Codes Ra/CRI	88 97 100 100 100 >80
			LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_SI-MATT, 1xLED 43W 840/4000K 3070lm 20 °)

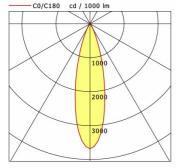


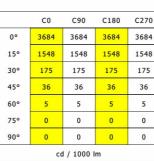
	C0	C90	C180	C270
0°	3069	3069	3069	3069
15°	1329	1329	1329	1329
30°	226	226	226	226
45°	79	79	79	79
60°	20	20	20	20
75°	1	1	1	1
90°	0	0	0	0
	co	i / 1000 I	m	

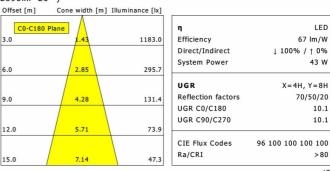


η	LED	
Efficiency	72 lm/W	
Direct/Indirect	↓ 100% / ↑ 0%	
System Power	43 W	
UGR	X=4H, Y=8H	
Reflection factors	70/50/20	
UGR C0/C180	16.0	
UGR C90/C270	16.0	
CIE Flux Codes	90 99 100 100 100	
Ra/CRI	>80	

Dallton Large - Spotlight Insert (DAL-L-RTQ 13_CH-SW, 1xLED 43W 840/4000K 2890Im 20 °)

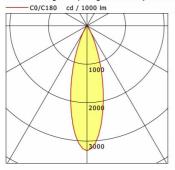








Dallton Large - Spotlight Insert (DAL-L-RTR 23_SW-MATT, 1xLED 43W 840/4000K 2710lm 20 °)



	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
	co	i / 1000 I	m	

Offset [m]	Cone width [m] Illu	uminance [lx]
C0-C180	Plane	
3.0	1.59	979.2
6.0	3.17	244.8
9.0	4.76	108.8
12.0	6.34	61.2
15.0	7.93	39.2

3

6

9

Offset [m]

3.0

6.0

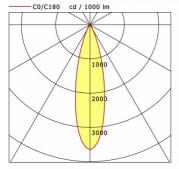
9.0

12.0

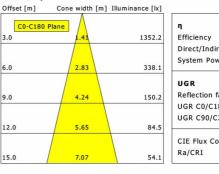
15.0

η	LED
Efficiency	63 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	43 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 Large - Spotlight Insert (DAL-L-RTQ 13_CH, 1xLED 43W 840/4000K 3330Im 20 °)

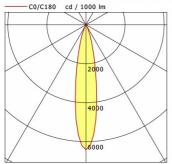


	C0	C90	C180	C270
0°	3655	3655	3655	3655
15°	1517	1517	1517	1517
30°	177	177	177	177
45°	42	42	42	42
60°	8	8	8	8
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				



η	LED		
Efficiency	78 lm/W		
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	43 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	11.7		
UGR C90/C270	11.7		
CIE Flux Codes	95 100 100 100 100		
Ra/CRI	> 80		

Dallton Large - Spotlight Insert (DAL-L-RFQ 13, 1xLED 43W 840/4000K 3200lm 20 °)

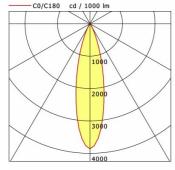


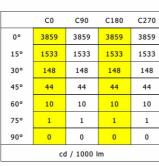
	C0	C90	C180	C270	
0°	6417	6417	6417	6417	
15°	1440	1440	1440	1440	
30°	57	57	57	57	
45°	19	19	19	19	
60°	2	2	2	2	
75°	0	0	0	0	
90°	0	0	0	0	
cd / 1000 lm					

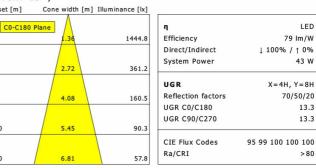
Offset [m]	Cone width [m]	Illuminance [lx]
C0-C180		
3.0	1.02	2281.7
5.0	2.04	570.4
9.0	3.06	253.5
.2.0	4.08	142.6
15.0	5.11	91.3

η	LED	
Efficiency	75 lm/W	
Direct/Indirect	↓ 100% / ↑ 0%	
System Power	43 V	
UGR	X=4H, Y=8H	
Reflection factors	70/50/20	
UGR C0/C180	<10.0	
UGR C90/C270	<10.	
CIE Flux Codes	98 100 100 100 100	
Ra/CRI	>80	

Dallton Large - Spotlight Insert (DAL-L-RTR 23_SI-MATT, 1xLED 43W 840/4000K 3370Im 20 °)



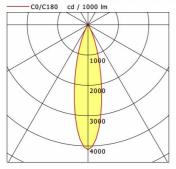




LTS



Dallton Large - Spotlight Insert (DAL-L-RTR 23_CH-SW, 1xLED 43W 840/4000K 3500lm 20 °)

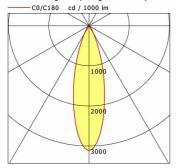


	C0	C90	C180	C270	
0°	4123	4123	4123	4123	
15°	1576	1576	1576	1576	
30°	142	142	142	142	
45°	34	34	34	34	
60°	0	0	0	0	
75°	0	0	0	0	
90°	0	0	0	0	
cd / 1000 lm					

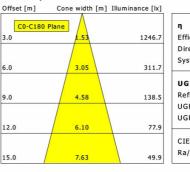
Offset [m]	Cone width [m] II	luminance [lx]
C0-C180	Plane	
3.0	1.32	1603.4
6.0	2.65	400.9
6.0	2.05	400.9
9.0	3.97	178.2
12.0	5.30	100.2
15.0	6.62	64.1

η	LED		
Efficiency	82 lm/W		
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	43 W		
UGR	X=4H, Y=8H		
Reflection factors 70/5			
UGR C0/C180	10.6		
UGR C90/C270	10.6		
CIE Flux Codes	97 100 100 100 100		
Ra/CRI	>80		

Dallton Large - Spotlight Insert (DAL-L-RTR 23_CH, 1xLED 43W 840/4000K 3600Im 20 °)

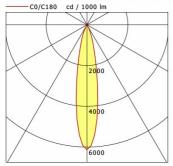


	C0	C90	C180	C270
0°	3117	3117	3117	3117
15°	1459	1459	1459	1459
30°	229	229	229	229
45°	56	56	56	56
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				



η	LED		
Efficiency	84 lm/W		
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	43 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	14.3		
UGR C90/C270	14.3		
CIE Flux Codes	95 100 100 100 100		
Ra/CRI	> 80		

Dallton Large - Spotlight Insert (DAL-L-RFR 23, 1xLED 43W 840/4000K 3390Im 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]	[lluminance [lx]
C0-C180 P	ane 1 <mark>.0</mark> 3	2309.7
6.0	2.05	577.4
9.0	3.08	256.6
12.0	4.10	144.4
15.0	5.13	92.4

Offset [m]

3.0

6.0

9.0

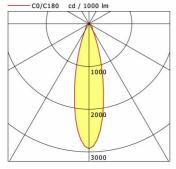
12.0

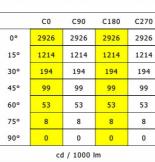
15.0

C0-C18

η	LED 79 Im/W ↓ 100% / † 0%	
Efficiency		
Direct/Indirect		
System Power	43 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_WS-MATT, 1xLED 43W 840/4000K 3270Im 20 °)





Cone width [m] Illuminance [lx]		
10 Plane	1063.0	ŋ Efficiency	LED 76 lm/W
2.82	265.8	Direct/Indirect System Power	↓ 100% / ↑ 0% 43 W
4.23	118.1	UGR Reflection factors	X=4H, Y=8H 70/50/20
5.64	66.4	UGR C0/C180 UGR C90/C270	20.7 20.7
7.05	42.5	CIE Flux Codes Ra/CRI	83 96 100 100 100 >80
			LTS

Recessed Spotlights · Dallton Large System



Accessories



DAL-L-ZBW 13.23 honeycomb louvre

