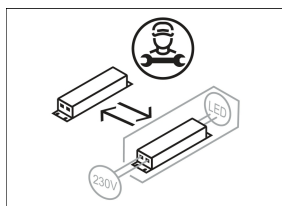
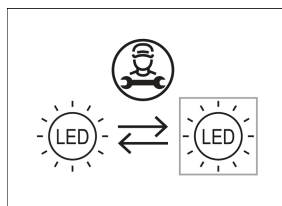


DAL-S-LK 101.840.40



Colours	Article no.	EAN
silver	661049	4043544698667



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

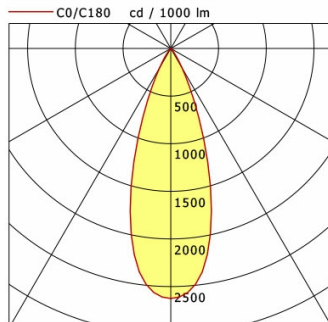
Lamps	LED Spot / CRI 80 / 4000 K
Lifetime	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
System power	22.0 W
Luminaire luminous flux	max. 1530 lm
System efficiency	48.18 lm/W
Module efficiency	160.65 lm/W
UGR class	≤16
Beam angle	40°
Supply voltage	220 - 240 V / 50 - 60 Hz
Protection class	III
Type 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 101.840.40

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_SW-MATT, 1xLED 22W 840/4000K 1060lm 40 °)



	C0	C90	C180	C270
0°	2626	2626	2626	2626
15°	1635	1635	1635	1635
30°	234	234	234	234
45°	14	14	14	14
60°	1	1	1	1
75°	0	0	0	0
90°	0	0	0	0

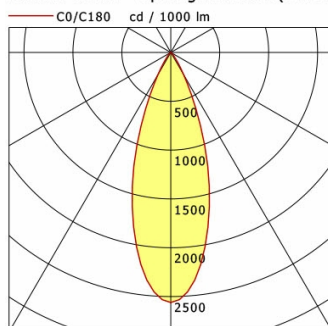
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.89	309.2
6.0	3.78	77.3
9.0	5.68	34.4
12.0	7.57	19.3
15.0	9.46	12.4

η	LED
Efficiency	48 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

Dallton Small - Spotlight Insert (DAL-S-RTR 21_CH-SW, 1xLED 22W 840/4000K 1440lm 40 °)



	C0	C90	C180	C270
0°	2561	2561	2561	2561
15°	1528	1528	1528	1528
30°	261	261	261	261
45°	28	28	28	28
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

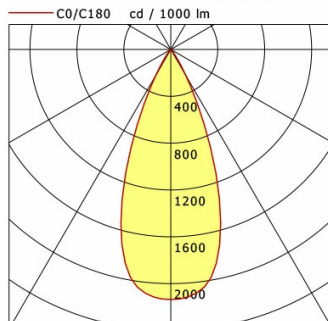
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.88	409.8
6.0	3.77	102.4
9.0	5.65	45.5
12.0	7.53	25.6
15.0	9.42	16.4

η	LED
Efficiency	66 lm/W
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	98 100 100 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RFR 21, 1xLED 22W 840/4000K 1450lm 40 °)



	C0	C90	C180	C270
0°	2136	2136	2136	2136
15°	1635	1635	1635	1635
30°	257	257	257	257
45°	12	12	12	12
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

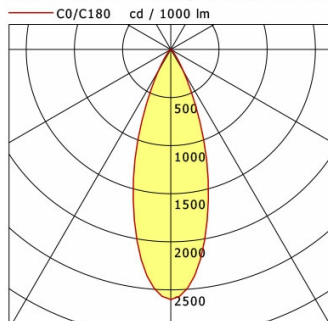
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.25	344.1
6.0	4.49	86.0
9.0	6.74	38.2
12.0	8.99	21.5
15.0	11.23	13.8

η	LED
Efficiency	66 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	10.4
UGR C90/C270	10.4
CIE Flux Codes	99 100 100 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RTR 21_CH, 1xLED 22W 840/4000K 1500lm 40 °)



	C0	C90	C180	C270
0°	2600	2600	2600	2600
15°	1510	1510	1510	1510
30°	261	261	261	261
45°	32	32	32	32
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

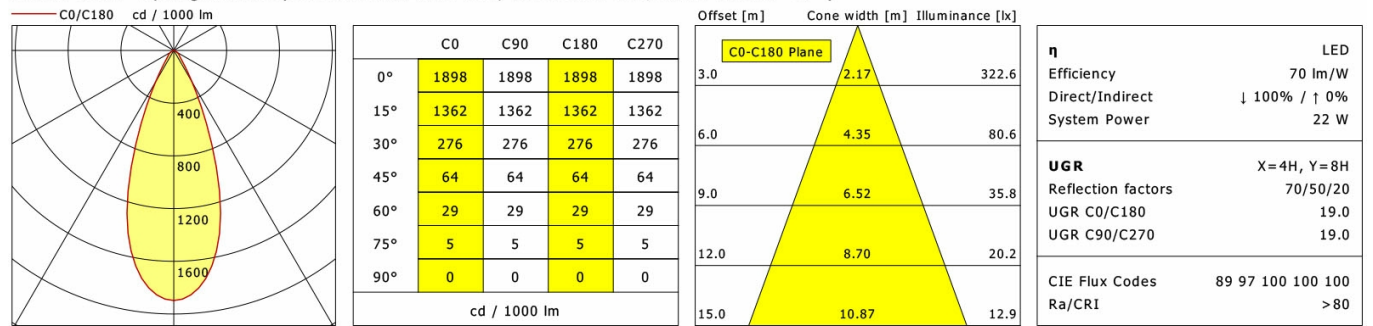
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.84	433.4
6.0	3.68	108.3
9.0	5.52	48.2
12.0	7.36	27.1
15.0	9.20	17.3

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	12.7
UGR C90/C270	12.7
CIE Flux Codes	97 100 100 100 100
Ra/CRI	>80

LTS

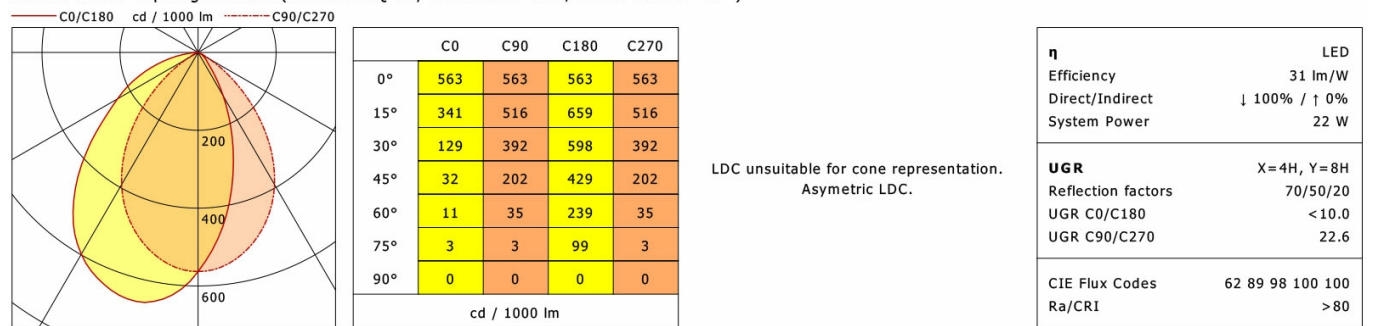
DAL-S-LK 101.840.40

Dallton Small - Spotlight Insert (DAL-S-RTR 21_WS-MATT, 1xLED 22W 840/4000K 1530lm 40 °)



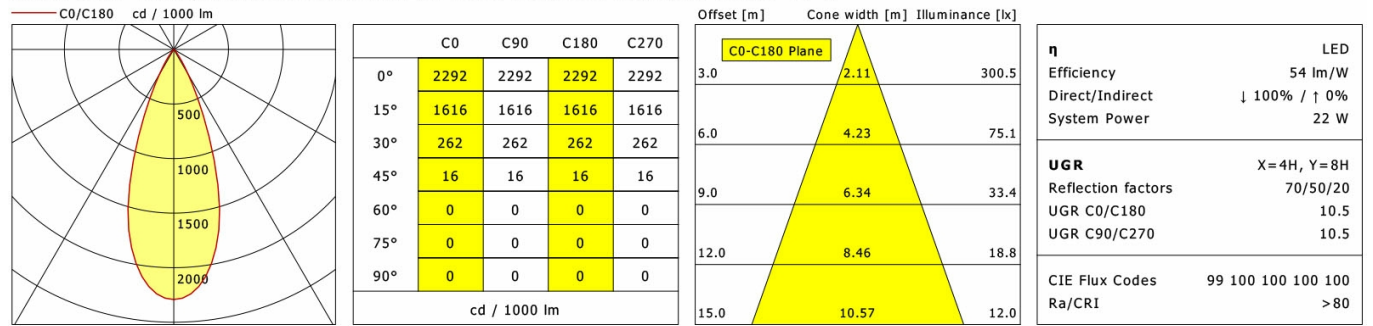
LTS

Dallton Small - Spotlight Insert (DAL-S-RWQ 11, 1xLED 22W 840/4000K 680lm 40 °)



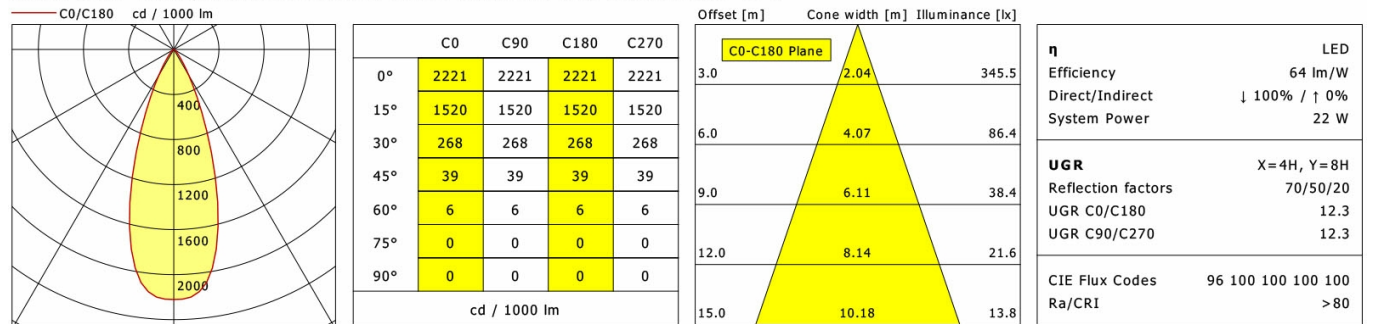
LTS

Dallton Small - Spotlight Insert (DAL-S-RTR 21_SW-MATT, 1xLED 22W 840/4000K 1180lm 40 °)



LTS

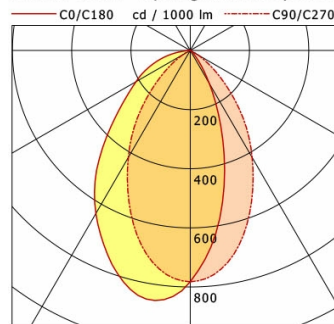
Dallton Small - Spotlight Insert (DAL-S-RTQ 11_CH, 1xLED 22W 840/4000K 1400lm 40 °)



LTS

DAL-S-LK 101.840.40

Dallton Small - Spotlight Insert (DAL-S-RWR 21, 1xLED 22W 840/4000K 860lm 40 °)



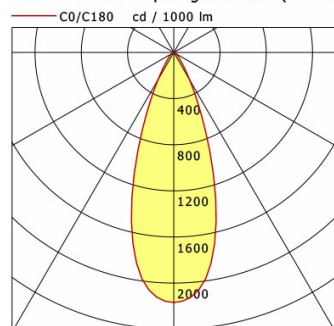
	C0	C90	C180	C270
0°	782	782	782	782
15°	447	665	825	665
30°	129	417	637	417
45°	17	179	389	179
60°	3	30	211	30
75°	1	2	95	2
90°	0	0	0	0

LDC unsuitable for cone representation.
Asymmetric LDC.

η	LED
Efficiency	39 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	23.1
CIE Flux Codes	70 91 98 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_SI-MATT, 1xLED 22W 840/4000K 1340lm 40 °)



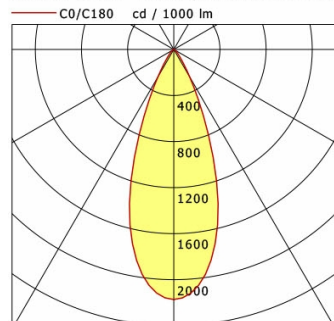
	C0	C90	C180	C270
0°	2168	2168	2168	2168
15°	1417	1417	1417	1417
30°	273	273	273	273
45°	61	61	61	61
60°	16	16	16	16
75°	1	1	1	1
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.98	322.8
6.0	3.96	80.7
9.0	5.94	35.9
12.0	7.92	20.2
15.0	9.90	12.9

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	14.8
UGR C90/C270	14.8
CIE Flux Codes	92 99 100 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RTR 21_SI-MATT, 1xLED 22W 840/4000K 1410lm 40 °)



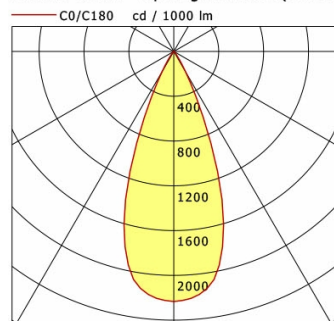
	C0	C90	C180	C270
0°	2172	2172	2172	2172
15°	1485	1485	1485	1485
30°	276	276	276	276
45°	45	45	45	45
60°	7	7	7	7
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.08	340.3
6.0	4.16	85.1
9.0	6.24	37.8
12.0	8.32	21.3
15.0	10.40	13.6

η	LED
Efficiency	64 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	14.2
UGR C90/C270	14.2
CIE Flux Codes	95 100 100 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RFQ 11, 1xLED 22W 840/4000K 1450lm 40 °)



	C0	C90	C180	C270
0°	2233	2233	2233	2233
15°	1707	1707	1707	1707
30°	210	210	210	210
45°	14	14	14	14
60°	3	3	3	3
75°	0	0	0	0
90°	0	0	0	0

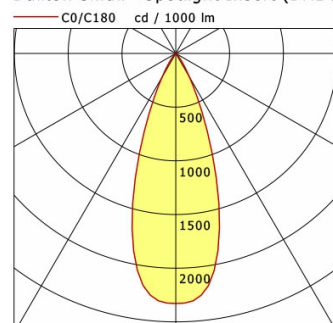
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.21	359.8
6.0	4.41	90.0
9.0	6.62	40.0
12.0	8.82	22.5
15.0	11.03	14.4

η	LED
Efficiency	66 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-RTQ 11_CH-SW, 1xLED 22W 840/4000K 1310lm 40 °)



	C0	C90	C180	C270
0°	2329	2329	2329	2329
15°	1569	1569	1569	1569
30°	254	254	254	254
45°	31	31	31	31
60°	4	4	4	4
75°	0	0	0	0
90°	0	0	0	0

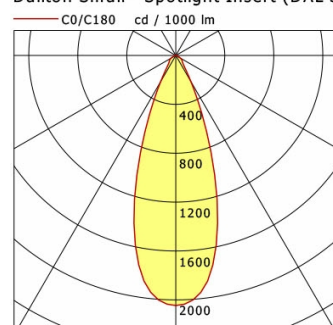
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.00	339.0
6.0	4.01	84.7
9.0	6.01	37.7
12.0	8.01	21.2
15.0	10.02	13.6

η	LED
Efficiency	60 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	11.0
UGR C90/C270	11.0
CIE Flux Codes	97 100 100 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_WS-MATT, 1xLED 22W 840/4000K 1360lm 40 °)



	C0	C90	C180	C270
0°	2046	2046	2046	2046
15°	1319	1319	1319	1319
30°	247	247	247	247
45°	77	77	77	77
60°	43	43	43	43
75°	6	6	6	6
90°	0	0	0	0

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.96	309.2
6.0	3.91	77.3
9.0	5.87	34.4
12.0	7.82	19.3
15.0	9.78	12.4

η	LED
Efficiency	62 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	19.2
UGR C90/C270	19.2
CIE Flux Codes	86 96 100 100 100
Ra/CRI	>80

LTS

Recessed Spotlights · Dallton Small System

DAL-S-LK 101.840.40

Accessories



DAL-S-ZBW 11.21
honeycomb louvre

