DAL-S-LK 101.840.20/DALI





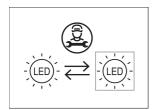


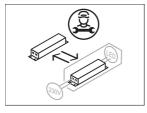






Colours	Article no.	EAN
silver	661048 40435446986	





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 DALI, dimmable) included (external placement)

Standard options



Special options







Lighting data / Norms

Lamps LED Spot / CRI 80 / 4000 K 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. 1650 lm

 System efficiency
 68.18 lm/W

 Module efficiency
 160.65 lm/W

UGR class ≤16 Beam angle 20°

Supply voltage 220 - 240 V / 50 - 60 Hz

Protection class III

Type of protection IP20

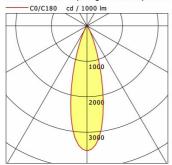
Dimensions / Weights

Outer diameter82 mmHeight103 mmRecessed depth135 mmDiameter of light head82 mmNet weight0.72 kgGross weight0.75 kg

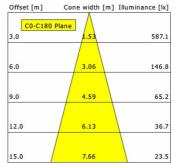


DAL-S-LK 101.840.20/DALI

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_CH, 1xLED 22W 840/4000K 1500lm 20 °)

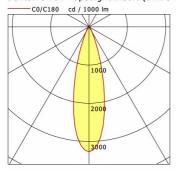


	C0	C90	C180	C270
0°	3523	3523	3523	3523
15°	1631	1631	1631	1631
30°	155	155	155	155
45°	30	30	30	30
60°	6	6	6	6
75°	0	0	0	0
90°	0	0	0	0
	cd / 1000 lm			

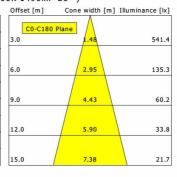


η	LED
Efficiency	68 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	97 100 100 100 100
Ra/CRI	>80

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_WS-MATT, 1xLED 22W 840/4000K 1490lm 20 °)

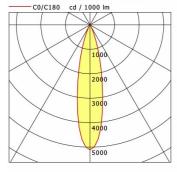


	C0	C90	C180	C270
0°	3270	3270	3270	3270
15°	1430	1430	1430	1430
30°	156	156	156	156
45°	64	64	64	64
60°	36	36	36	36
75°	5	5	5	5
90°	0	0	0	0

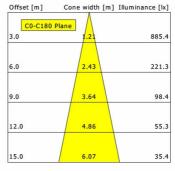


η	LED		
Efficiency	68 lm/W		
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	22 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	18.1		
UGR C90/C270	18.1		
CIE Flux Codes	89 97 100 100 100		
Ra/CRI	>80		

Dallton Small - Spotlight Insert (DAL-S-RFR 21, 1xLED 22W 840/4000K 1560lm 20 °)

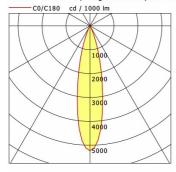


	C0	C90	C180	C270
0°	5108	5108	5108	5108
15°	1640	1640	1640	1640
30°	76	76	76	76
45°	10	10	10	10
60°	1	1	1	1
75°	1	1	1	1
90°	0	0	0	0
	cd / 1000 lm			



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	99 100 100 100 100		
Ra/CRI	>80		

Dallton Small - Spotlight Insert (DAL-S-RFQ 11, 1xLED 22W 840/4000K 1530lm 20 °)



	C0	C90	C180	C270
0°	5232	5232	5232	5232
15°	1683	1683	1683	1683
30°	55	55	55	55
45°	11	11	11	11
60° 3 3 3 3		3		
75°	1	1	1	1
90°	0	0	0	0
cd / 1000 lm				

Offset [m]	Cone width [m] Illuminance [lx]
C0-C180	Plane 1.22	889.5
6.0	2.43	222.4
9.0	3.65	98.8
12.0	4.87	55.6
15.0	6.08	35.6

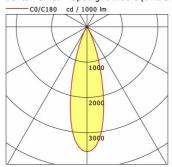
η	LED
Efficiency	70 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	99 100 100 100 100
Ra/CRI	>80

LTS

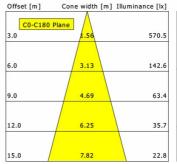
LTS LOVE TO SHINE

DAL-S-LK 101.840.20/DALI

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_CH-SW, 1xLED 22W 840/4000K 1450lm 20 °)

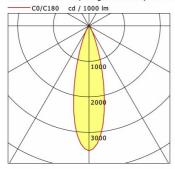


	C0	C90	C180	C270
0°	3541	3541	3541	3541
15°	1694	1694	1694	1694
30°	139	139	139	139
45°	22	22	22	22
60°	3	3	3	3
75°	0	0	0	0
90°	0	0	0	0
	cd / 1000 lm			

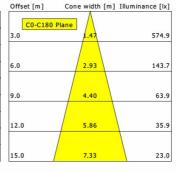


η	LED
Efficiency	66 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	98 100 100 100 100
Ra/CRI	>80

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_SI-MATT, 1xLED 22W 840/4000K 1470lm 20 °)

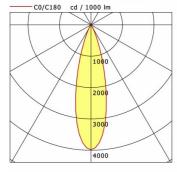


	C0	C90	C180	C270
0°	3520	3520	3520	3520
15°	1522	1522	1522	1522
30°	167	167	167	167
45°	48	48	48	48
60°	14	14	14	14
75°	1	1	1	1
90°	0	0	0	0
	co	1 / 1000	m	



η	LED
Efficiency	67 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	13.2
UGR C90/C270	13.2
CIE Flux Codes	94 99 100 100 100
Ra/CRI	>80

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_SW-MATT, 1xLED 22W 840/4000K 1170lm 20 °)

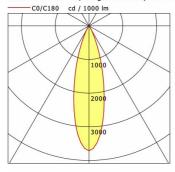


	C0	C90	C180	C270		
0°	3984	3984	3984	3984		
15°	1703	1703	1703	1703		
30°	129	129	129	129		
45°	11	11	11	11		
60°	0	0	0	0		
75°	0	0	0	0		
90°	0	0	0	0		
	cd / 1000 lm					

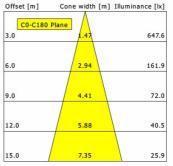
Offset [m]	Cone width [m] Ill	uminance [lx]
C0-C180	Plane	
3.0	1.46	518.0
04 (*******		NOT THE RE
6.0	2.92	129.5
9.0	4.37	57.6
12.0	5.83	32.4
15.0	7.29	20.7

η	LED		
Efficiency	53 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-RTR 21_CH-SW, 1xLED 22W 840/4000K 1570lm 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	
cd / 1000 lm					



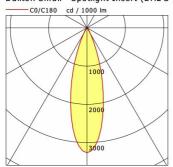
η	LED
Efficiency	72 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	98 100 100 100 100
Ra/CRI	>80

LTS

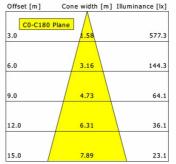
LTS LOVE TO SHINE

DAL-S-LK 101.840.20/DALI

Dallton Small - Spotlight Insert (DAL-S-RTR 21_SI-MATT, 1xLED 22W 840/4000K 1590lm 20 °)

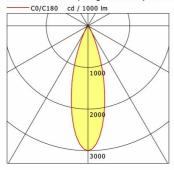


	C0	C90	C180	C270
0°	3268	3268	3268	3268
15°	1593	1593	1593	1593
30°	171	171	171	171
45°	37	37	37	37
60°	6	6	6	6
75°	0	0	0	0
90°	0	0	0	0

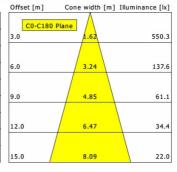


η	LED
Efficiency	72 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	12.4
UGR C90/C270	12.4
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

Dallton Small - Spotlight Insert (DAL-S-RTR 21_WS-MATT, 1xLED 22W 840/4000K 1650lm 20 °)

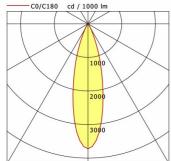


	C0	C90	C180	C270
0°	3002	3002	3002	3002
15°	1513	1513	1513	1513
30°	171	171	171	171
45°	51	51	51	51
60°	23	23	23	23
75°	4	4	4	4
90°	0	0	0	0
cd / 1000 lm				



η	LED		
Efficiency	75 lm/		
Direct/Indirect	↓ 100% / ↑ 0%		
System Power	22 W		
UGR	X=4H, Y=8H		
Reflection factors	70/50/20		
UGR C0/C180	17.4		
UGR C90/C270	17.4		
CIE Flux Codes	92 98 100 100 100		
Ra/CRI	>80		

Dallton Small - Spotlight Insert (DAL-S-RTR 21_CH, 1xLED 22W 840/4000K 1620lm $\,$ 20 °)

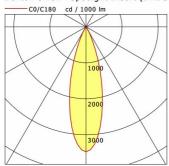


	C0	C90	C180	C270
0°	3722	3722	3722	3722
15°	1616	1616	1616	1616
30°	152	152	152	152
45°	26	26	26	26
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0
cd / 1000 lm				

Offset [m]	Cone width [m] II	luminance [lx]
C0-C180		
3.0	1.45	669.9
		20002402
6.0	2.90	167.5
9.0	4.36	74.4
12.0	5.81	41.9
15.0	7.26	26.8

η	LED		
Efficiency	74 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 840/4000K 1390lm 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				

Offset [m]	Cone width [m] I	lluminance [lx]
C0-C180	Plane	
3.0	<u>4.59</u>	536.7
6.0	3.18	134.2
		2072
9.0	4.77	59.6
12.0	6.37	33.5
15.0	7.96	21.5

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	99 100 100 100 100	
Ra/CRI	>80	

LTS

Recessed Spotlights · Dallton Small System

DAL-S-LK 101.840.20/DALI

Accessories





DAL-S-ZBW 11.21 honeycomb louvre



ZB-OR DONGLEOrganic Response IR dongle kit



ZB-OR GATEWAYOrganic Response IoT Gateway Cascade Series



ZB-OR-R SENSOROrganic Response sensor for recessed mounting