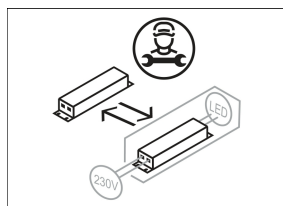
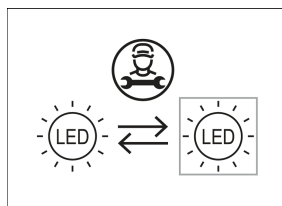


# DAL-S-LK 101.830.20



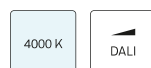
Colours	Article no.	EAN
silver	661041	4043544698582



## 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

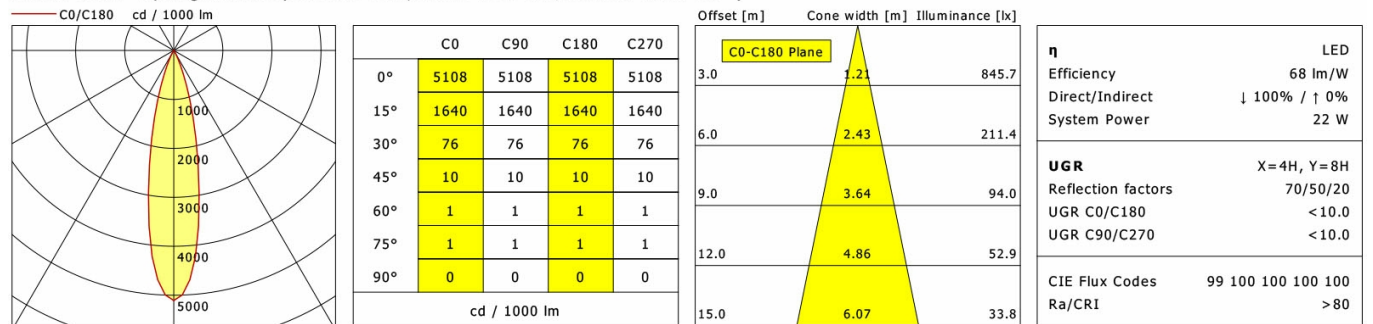
<b>Lamps</b>	LED Spot / CRI 80 / 3000 K
<b>EPREL light sources</b>	992480
<b>Lifetime</b>	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
<b>System power</b>	22.0 W
<b>Luminaire luminous flux</b>	max. 1580 lm
<b>System efficiency</b>	67.72 lm/W
<b>Module efficiency</b>	157.83 lm/W
<b>UGR class</b>	≤16
<b>Beam angle</b>	20°
<b>Supply voltage</b>	220 - 240 V / 50 - 60 Hz
<b>Protection class</b>	III
<b>Type of protection</b>	IP20

## Dimensions / Weights

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

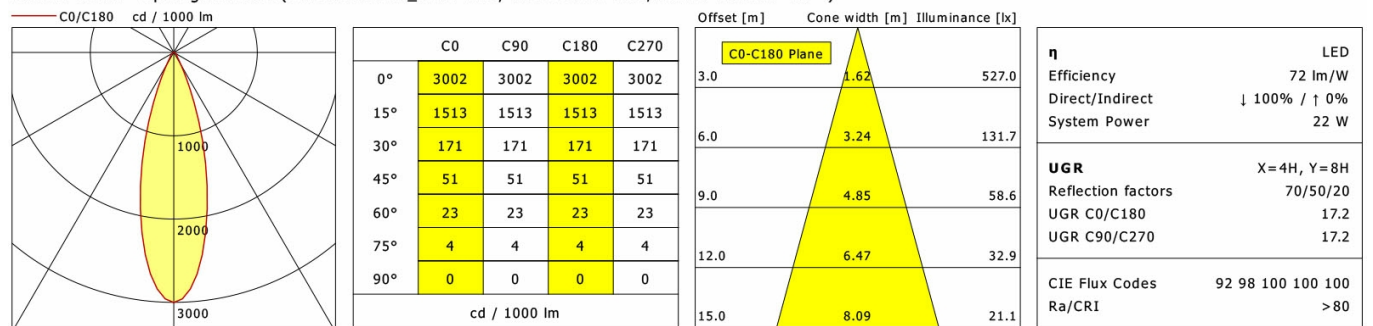
# DAL-S-LK 101.830.20

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



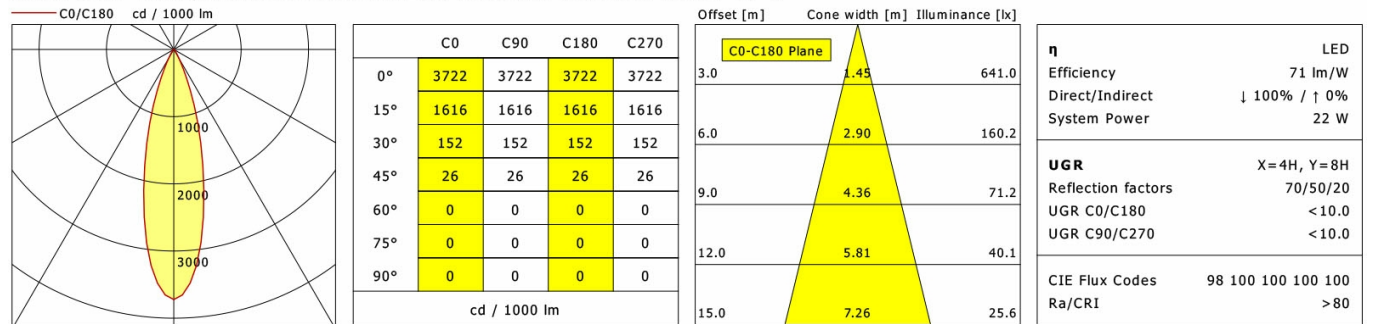
LTS

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



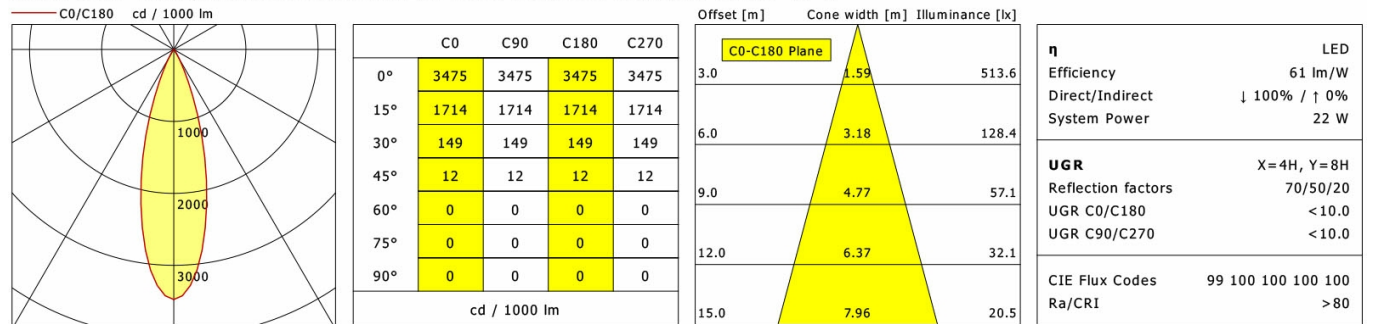
LTS

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



LTS

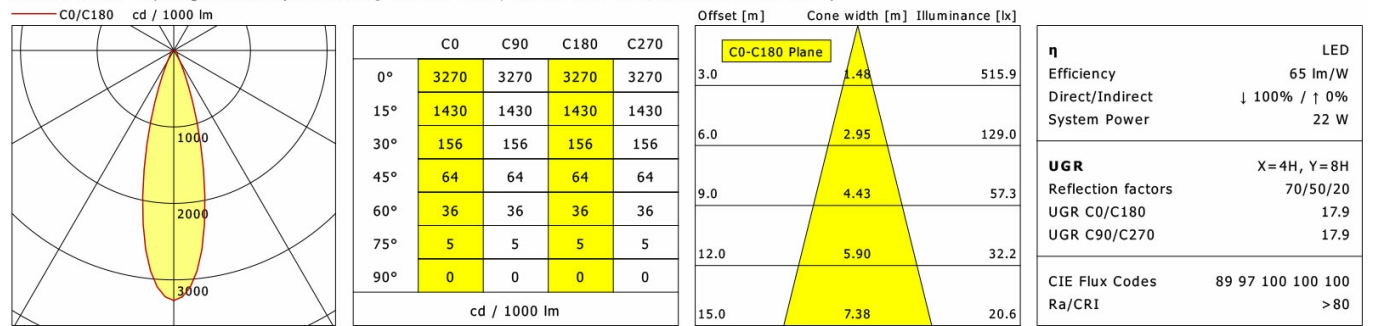
Dallton Small - Spotlight Insert (DAL-S-RTR 21\_SW-MATT, 1xLED 22W 830/3000K 1330lm 20 °)



LTS

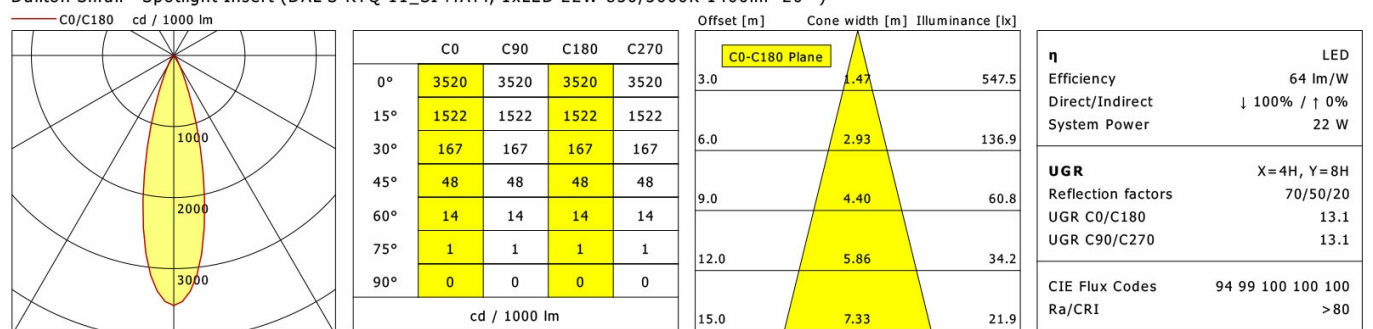
# DAL-S-LK 101.830.20

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



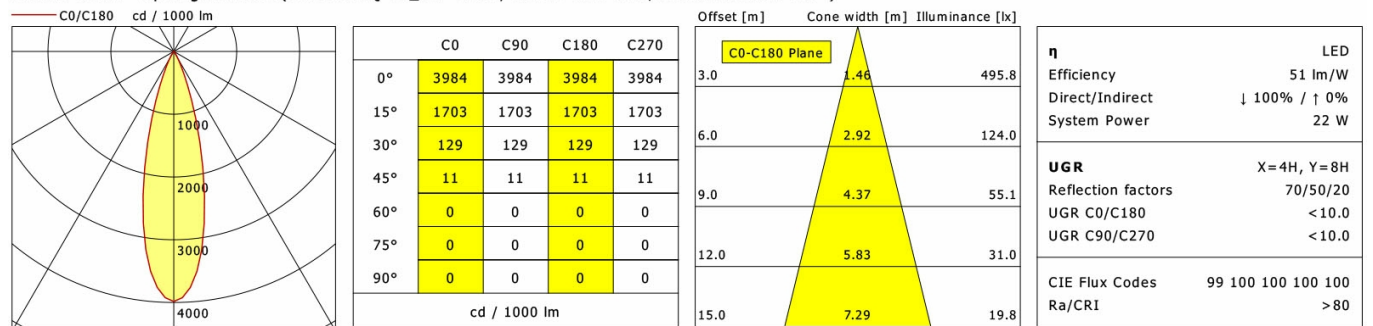
LTS

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



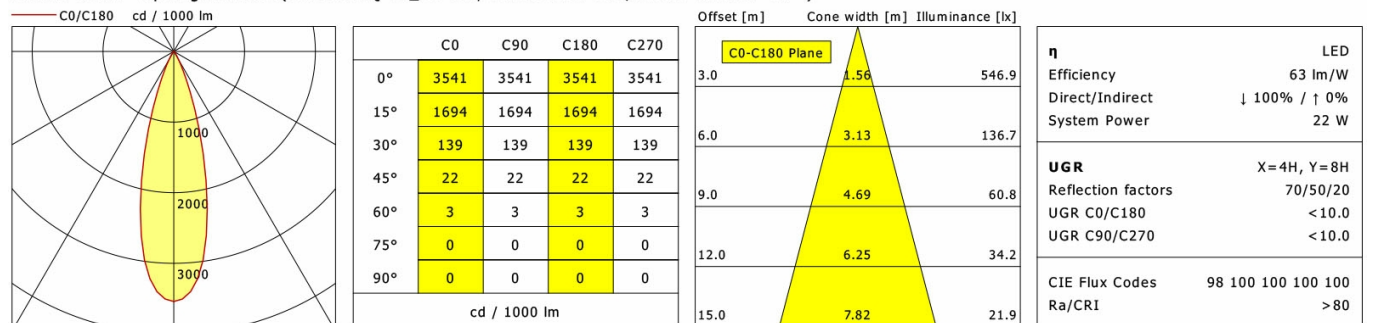
LTS

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



LTS

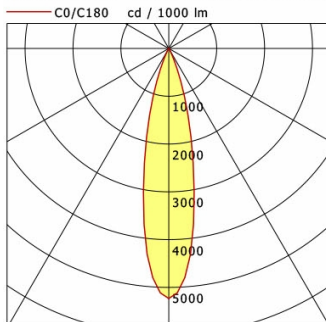
Dallton Small - Spotlight Insert (DAL-S-RTQ 11\_CH-SW, 1xLED 22W 830/3000K 1390lm 20 °)



LTS

# DAL-S-LK 101.830.20

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



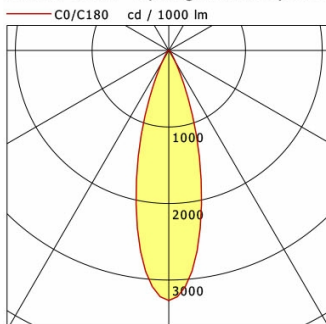
	C0	C90	C180	C270
0°	5232	5232	5232	5232
15°	1683	1683	1683	1683
30°	55	55	55	55
45°	11	11	11	11
60°	3	3	3	3
75°	1	1	1	1
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.22	848.8
6.0	2.43	212.2
9.0	3.65	94.3
12.0	4.87	53.1
15.0	6.08	34.0

<b>η</b>	LED
Efficiency	67 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
<b>UGR</b>	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\_SI-MATT, 1xLED 22W 830/3000K 1520lm 20 °)



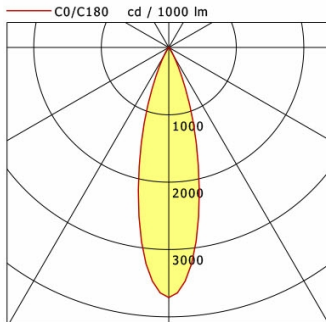
	C0	C90	C180	C270
0°	3268	3268	3268	3268
15°	1593	1593	1593	1593
30°	171	171	171	171
45°	37	37	37	37
60°	6	6	6	6
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.58	551.8
6.0	3.16	138.0
9.0	4.73	61.3
12.0	6.31	34.5
15.0	7.89	22.1

<b>η</b>	LED
Efficiency	69 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
<b>UGR</b>	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

LTS

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



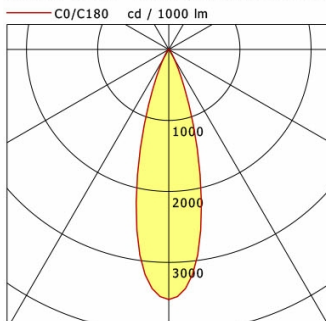
	C0	C90	C180	C270
0°	3713	3713	3713	3713
15°	1640	1640	1640	1640
30°	149	149	149	149
45°	22	22	22	22
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.47	618.8
6.0	2.94	154.7
9.0	4.41	68.8
12.0	5.88	38.7
15.0	7.35	24.8

<b>η</b>	LED
Efficiency	68 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
<b>UGR</b>	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

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

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.53	559.7
6.0	3.06	139.9
9.0	4.59	62.2
12.0	6.13	35.0
15.0	7.66	22.4

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