

# DAL-L-LK 101.830.20/DALI



## 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 DALI, dimmable) included (external placement)

## Standard options



## Special options



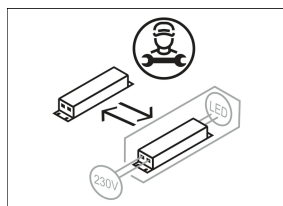
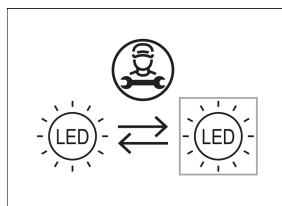
## Lighting data / Norms

<b>Lamps</b>	LED Spot / CRI 80 / 3000 K
<b>EPREL light sources</b>	851239
<b>Lifetime</b>	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
<b>System power</b>	28.0 W
<b>Luminaire luminous flux</b>	max. 2350 lm
<b>System efficiency</b>	66.78 lm/W
<b>Module efficiency</b>	158.91 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

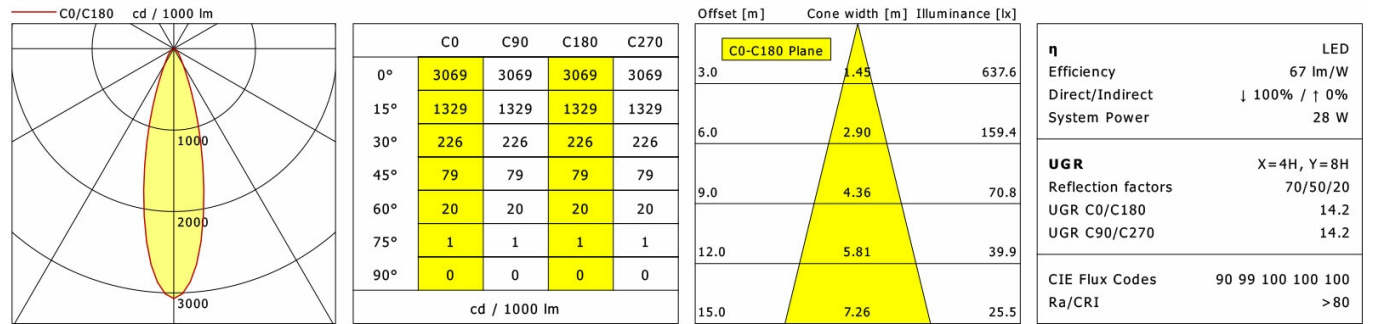
<b>Outer diameter</b>	124 mm
<b>Height</b>	149 mm
<b>Recessed depth</b>	200 mm
<b>Diameter of light head</b>	124 mm
<b>Net weight</b>	1.31 kg
<b>Gross weight</b>	1.38 kg

Colours	Article no.	EAN
silver	660952	4043544697691



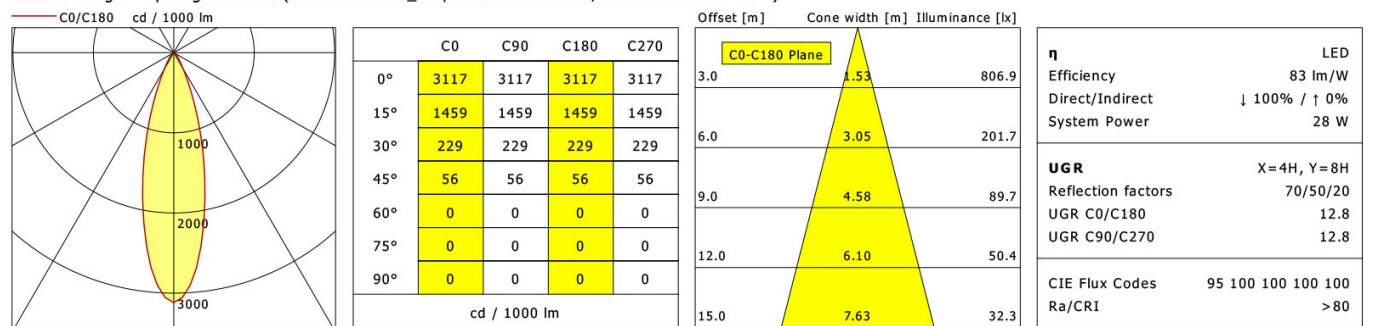
# DAL-L-LK 101.830.20/DALI

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_SI-MATT, 1xLED 28W 830/3000K 1870lm 20 °)



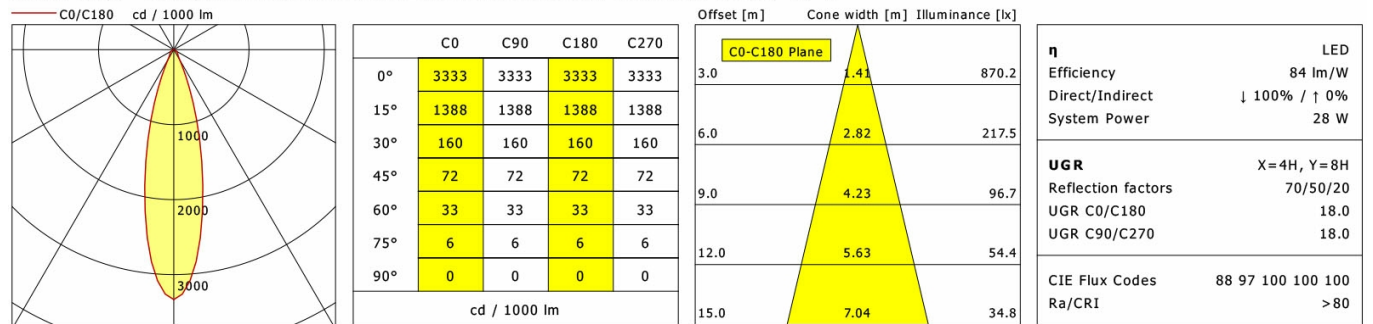
LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_CH, 1xLED 28W 830/3000K 2330lm 20 °)



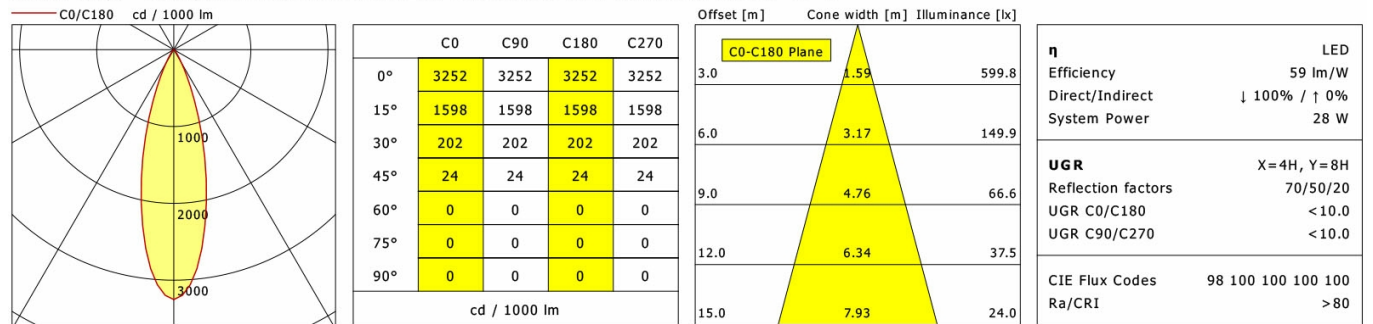
LTS

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_WS-MATT, 1xLED 28W 830/3000K 2350lm 20 °)



LTS

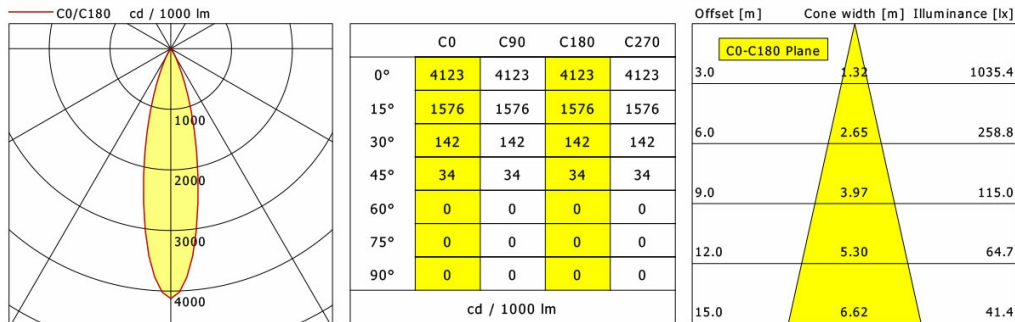
Dallton Large - Spotlight Insert (DAL-L-RTR 23\_SW-MATT, 1xLED 28W 830/3000K 1660lm 20 °)



LTS

# DAL-L-LK 101.830.20/DALI

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_CH-SW, 1xLED 28W 830/3000K 2260lm 20 °)



<b>η</b>	LED
Efficiency	81 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W

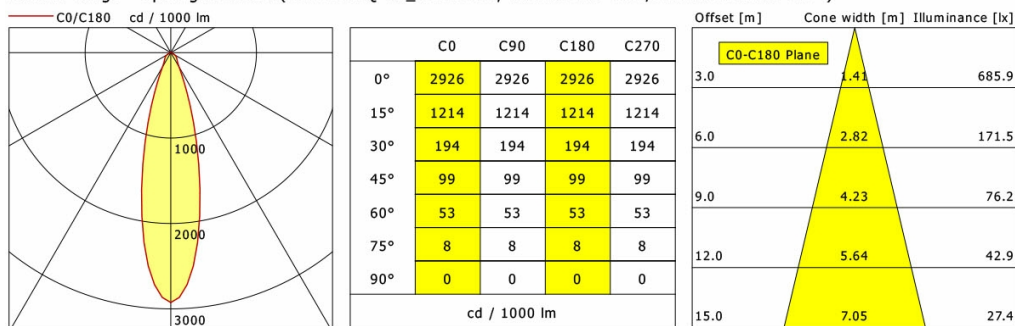
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0

CIE Flux Codes	97 100 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_WS-MATT, 1xLED 28W 830/3000K 2110lm 20 °)



<b>η</b>	LED
Efficiency	76 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W

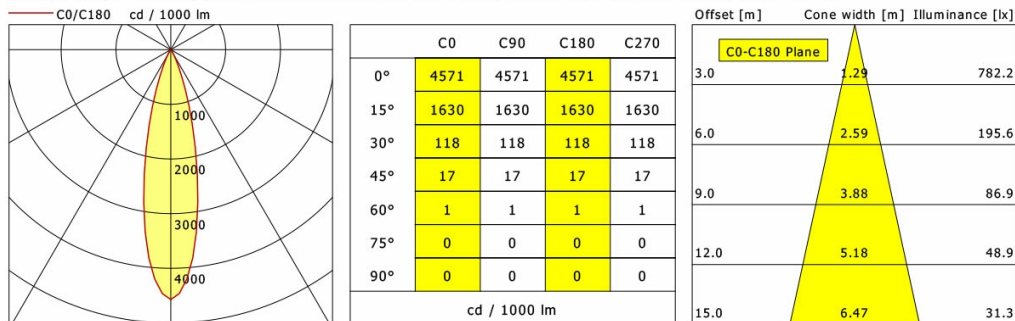
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	19.2
UGR C90/C270	19.2

CIE Flux Codes	83 96 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_SW-MATT, 1xLED 28W 830/3000K 1540lm 20 °)



<b>η</b>	LED
Efficiency	55 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W

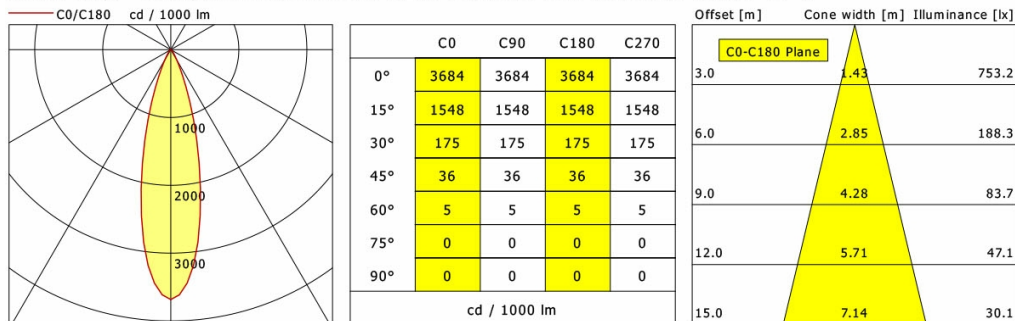
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0

CIE Flux Codes	99 100 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_CH-SW, 1xLED 28W 830/3000K 1840lm 20 °)



<b>η</b>	LED
Efficiency	66 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W

<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0

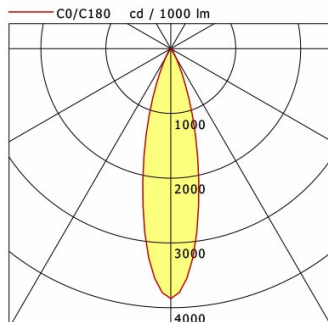
  

CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

# DAL-L-LK 101.830.20/DALI

Dallton Large - Spotlight Insert (DAL-L-RTR 23\_SI-MATT, 1xLED 28W 830/3000K 2160lm 20 °)



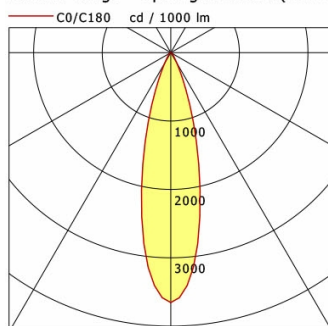
	C0	C90	C180	C270
0°	3859	3859	3859	3859
15°	1533	1533	1533	1533
30°	148	148	148	148
45°	44	44	44	44
60°	10	10	10	10
75°	1	1	1	1
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.36	926.1
6.0	2.72	231.5
9.0	4.08	102.9
12.0	5.45	57.9
15.0	6.81	37.0

<b>η</b>	LED
Efficiency	77 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	11.8
UGR C90/C270	11.8
CIE Flux Codes	95 99 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RTQ 13\_CH, 1xLED 28W 830/3000K 2120lm 20 °)



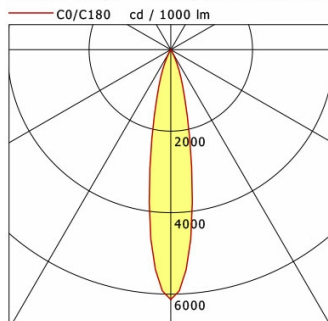
	C0	C90	C180	C270
0°	3655	3655	3655	3655
15°	1517	1517	1517	1517
30°	177	177	177	177
45°	42	42	42	42
60°	8	8	8	8
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.41	860.9
6.0	2.83	215.2
9.0	4.24	95.7
12.0	5.65	53.8
15.0	7.07	34.4

<b>η</b>	LED
Efficiency	76 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	10.2
UGR C90/C270	10.2
CIE Flux Codes	95 100 100 100 100
Ra/CRI	>80

LTS

Dallton Large - Spotlight Insert (DAL-L-RFR 23, 1xLED 28W 830/3000K 2150lm 20 °)



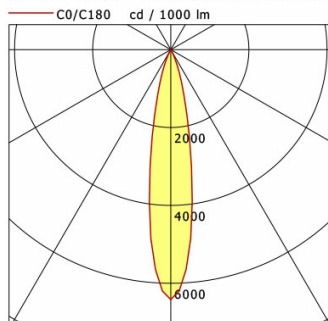
	C0	C90	C180	C270
0°	6132	6132	6132	6132
15°	1430	1430	1430	1430
30°	69	69	69	69
45°	16	16	16	16
60°	1	1	1	1
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.08	1464.9
6.0	2.05	366.2
9.0	3.08	162.8
12.0	4.10	91.6
15.0	5.13	58.6

<b>η</b>	LED
Efficiency	77 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 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 Large - Spotlight Insert (DAL-L-RFQ 13, 1xLED 28W 830/3000K 2040lm 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

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.02	1454.6
6.0	2.04	363.7
9.0	3.06	161.6
12.0	4.08	90.9
15.0	5.11	58.2

<b>η</b>	LED
Efficiency	73 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 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

Recessed Spotlights · Dallton Large System



# DAL-L-LK 101.830.20/DALI

## Accessories



**DAL-L-ZBW 13.23**  
honeycomb louvre



**ZB-OR DONGLE**  
Organic Response IR dongle kit



**ZB-OR GATEWAY**  
Organic Response IoT Gateway Cascade Series



**ZB-OR-R SENSOR**  
Organic Response sensor for recessed mounting