

## Photometric test report

### Family Spot 21 Standard



**Order number: 51SE64DB11B2C**  
**EAN: 4069025448088**

**LP number**  
**59937\_30**

<b>Version</b>	housing, white aluminium, reflector, cover glass, transparent, wide distribution
<b>Lamps</b>	LED 3000 K   CRI ≥ 90
<b>Controlgear</b>	ECG-DALI-Multilumen
<b>Setting</b>	factory setting: DIP-Step=7
<b>Rated values</b>	Net luminous flux = 2730 lm Power consumption = 19.8 W Luminous efficacy = 137.9 lm/W

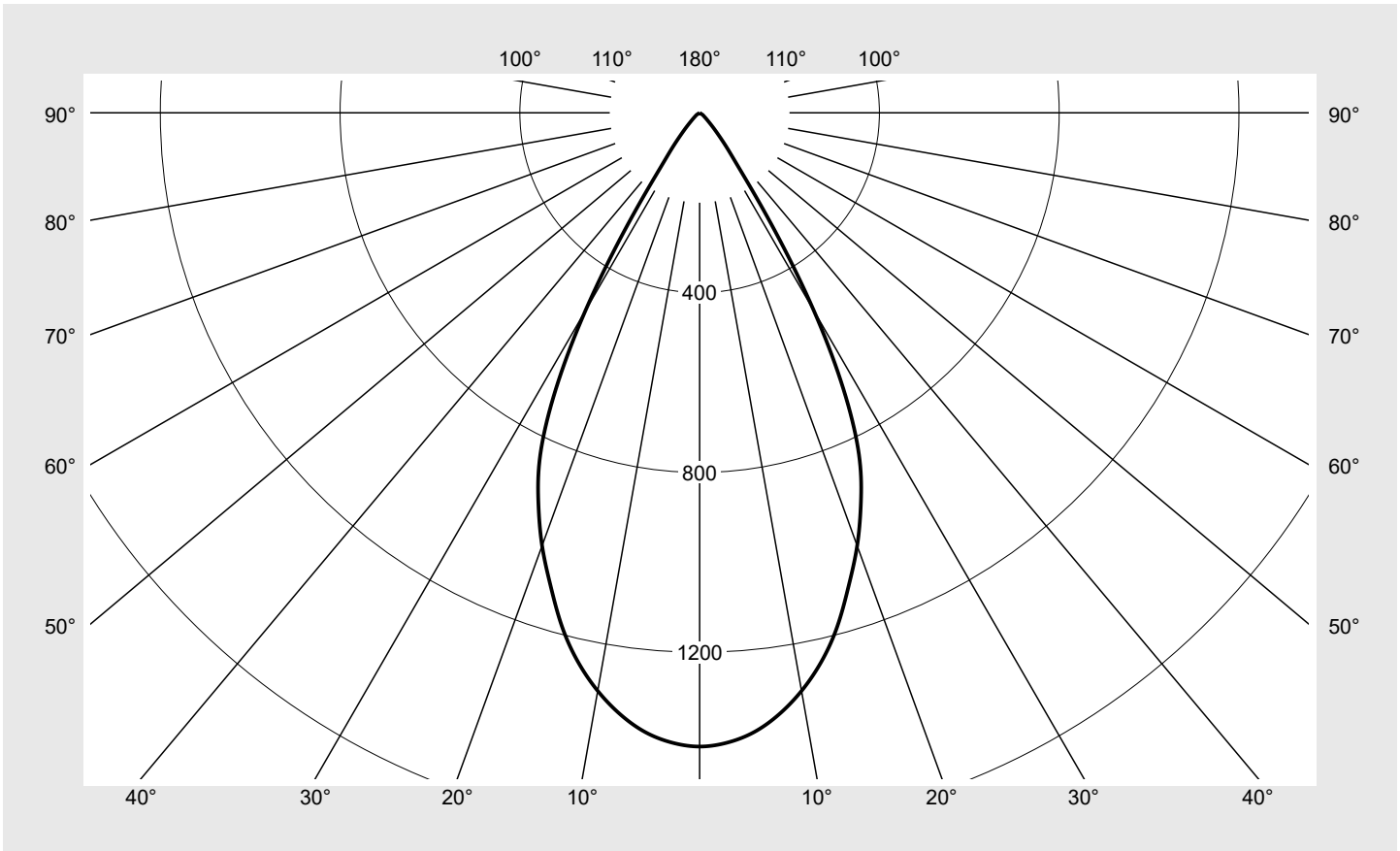
**serial**  
**documentation**  
**11.05.2026**

**sitEco**

**Luminous intensity in cd/klm**

**C180-0**

**Imax: 1410 cd/klm**



#### Classifications

DIN 5040 A 7 0  
CIE N1=96 N2=99 N3=100  
N4=100 N5=100

#### Luminaire light output ratios

$\eta_{LB}$  100.0%  
 $\phi_u$  100.0%  
 $\phi_o$  0.0%

#### Measurement conditions

DIN EN 13032 and DIN 5032

## Photometric test report

<b>Family</b> Spot 21 Standard	<b>Order number: 51SE64DB11B2C</b> <b>EAN: 4069025448088</b>	<b>LP number</b> 59937_30
-----------------------------------	-----------------------------------------------------------------	------------------------------

**siteco**

<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</b>
-------------------------------------------------	-----------------------------------

C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0,0°	1409.8	2.1	2.1
2,5°	1402.5	16.8	18.9
5,0°	1383.3	33.0	51.9
7,5°	1350.1	48.3	100.2
10,0°	1305.8	62.2	162.4
12,5°	1250.9	74.2	236.6
15,0°	1183.2	84.0	320.6
17,5°	1103.1	90.9	411.5
20,0°	1024.9	96.1	507.6
22,5°	937.8	98.4	606.0
25,0°	838.9	97.2	703.2
27,5°	692.9	87.7	790.9
30,0°	508.4	69.7	860.5
32,5°	313.6	46.2	906.7
35,0°	170.0	26.7	933.5
37,5°	107.2	17.9	951.4
40,0°	69.8	12.3	963.7
42,5°	45.7	8.5	972.1
45,0°	29.8	5.8	977.9
47,5°	20.8	4.2	982.1
50,0°	15.0	3.2	985.3
52,5°	11.4	2.5	987.7
55,0°	9.1	2.0	989.8
57,5°	7.4	1.7	991.5
60,0°	6.2	1.5	993.0
62,5°	5.4	1.3	994.3
65,0°	4.6	1.1	995.4
67,5°	4.0	1.0	996.5
70,0°	3.5	0.9	997.4
72,5°	2.9	0.8	998.1
75,0°	2.3	0.6	998.7
77,5°	1.7	0.5	999.2
80,0°	1.3	0.4	999.5
82,5°	0.9	0.2	999.8
85,0°	0.6	0.2	999.9
87,5°	0.2	0.1	1000.0
90,0°	0.0	0.0	1000.0

## Photometric test report

Family Spot 21 Standard	Order number: 51SE64DB11B2C EAN: 4069025448088	LP number 59937_30
----------------------------	---------------------------------------------------	-----------------------

UGR-Table	Standard room	siteco								
-----------	---------------	--------	--	--	--	--	--	--	--	--

Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	18.9	20.0	19.3	20.4	20.7	18.9	20.0	19.3	20.4	20.7
	3H	18.9	19.8	19.3	20.2	20.5	18.9	19.8	19.3	20.2	20.5
	4H	18.8	19.7	19.2	20.1	20.4	18.8	19.7	19.2	20.1	20.4
	6H	18.8	19.6	19.2	19.9	20.3	18.8	19.6	19.2	19.9	20.3
	8H	18.9	19.5	19.3	19.9	20.3	18.9	19.5	19.3	19.9	20.3
	12H	18.9	19.4	19.3	19.8	20.2	18.9	19.4	19.3	19.8	20.2
4H	2H	18.7	19.6	19.1	20.0	20.4	18.7	19.6	19.1	20.0	20.4
	3H	18.7	19.4	19.1	19.8	20.2	18.7	19.4	19.1	19.8	20.2
	4H	18.6	19.3	19.1	19.7	20.2	18.6	19.3	19.1	19.7	20.2
	6H	18.6	19.2	19.1	19.6	20.1	18.6	19.2	19.1	19.6	20.1
	8H	18.6	19.1	19.1	19.5	20.0	18.6	19.1	19.1	19.5	20.0
	12H	18.6	19.0	19.1	19.4	20.0	18.6	19.0	19.1	19.4	20.0
8H	4H	18.6	19.0	19.0	19.5	20.0	18.6	19.0	19.0	19.5	20.0
	6H	18.5	18.9	19.0	19.4	19.9	18.5	18.9	19.0	19.4	19.9
	8H	18.5	18.8	19.0	19.3	19.8	18.5	18.8	19.0	19.3	19.8
	12H	18.5	18.7	19.0	19.2	19.8	18.5	18.7	19.0	19.2	19.8
12H	4H	18.6	18.9	19.1	19.4	19.9	18.6	18.9	19.1	19.4	19.9
	6H	18.5	18.8	19.0	19.3	19.8	18.5	18.8	19.0	19.3	19.8
	8H	18.5	18.7	19.0	19.2	19.8	18.5	18.7	19.0	19.2	19.8

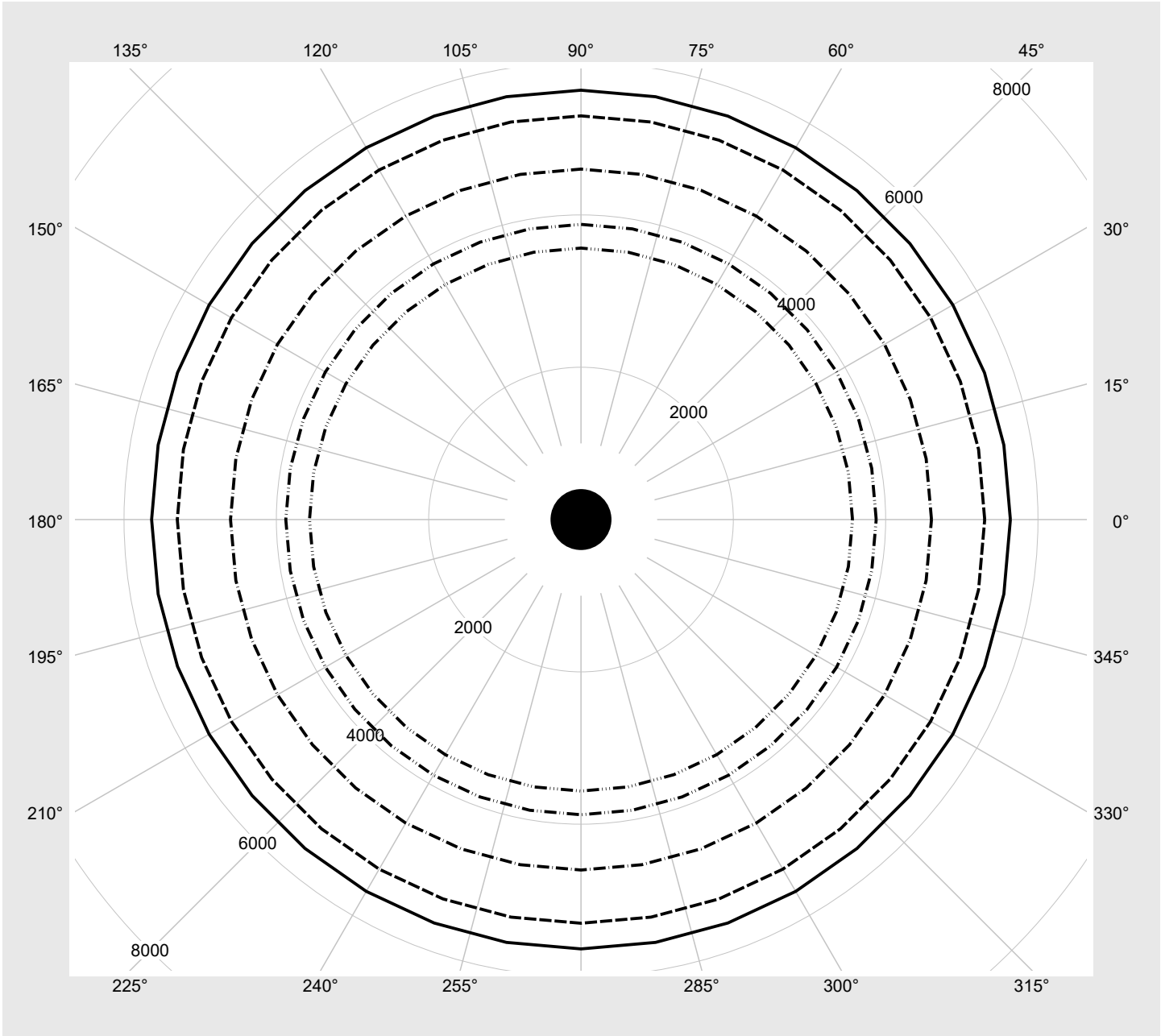
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
-----------------	---------------------------------	--------------------------------------

C-planes	0°
$\gamma$	Luminance in cd/m <sup>2</sup>
45,0°	21753.8
50,0°	12085.9
55,0°	8216.9
60,0°	6422.5
65,0°	5637.7
70,0°	5300.7
75,0°	4601.8
80,0°	3876.0
85,0°	3564.7

**Photometric test report**

<b>Family</b> Spot 21 Standard	<b>Order number: 51SE64DB11B2C</b> <b>EAN: 4069025448088</b>	<b>LP number</b> 59937_30
-----------------------------------	-----------------------------------------------------------------	------------------------------

**Luminance values in cd/m<sup>2</sup>**       $\gamma$  65°      $\gamma$  70°      $\gamma$  75°      $\gamma$  80°      $\gamma$  85°



### Photometric test report

<b>Family</b> <b>Spot 21 Standard</b>	<b>Order number: 51SE64DB11B2C</b> <b>EAN: 4069025448088</b>	<b>LP number</b> <b>59937_30</b>
------------------------------------------	-----------------------------------------------------------------	-------------------------------------

<b>Multilumen Table</b>	environmental temperature: 25°C	
-------------------------	---------------------------------	-------------------------------------------------------------------------------------

DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
11	ON	OFF	ON	ON	3680	28.1
10	ON	OFF	ON	OFF	3450	25.9
9	ON	OFF	OFF	ON	3220	23.8
8	ON	OFF	OFF	OFF	2980	21.7
7	OFF	ON	ON	ON	2730	19.8
6	OFF	ON	ON	OFF	2480	17.7
5	OFF	ON	OFF	ON	2230	15.7
4	OFF	ON	OFF	OFF	1960	13.8
3	OFF	OFF	ON	ON	1700	11.7
2	OFF	OFF	ON	OFF	1420	9.9
1	OFF	OFF	OFF	ON	1140	8.1
0	OFF	OFF	OFF	OFF	850	6.2