

Lichttechnischer Prüfbefund

Familie
Spot 31

Bestell-Nr.: 51SF62MAD4B
EAN: 4058352769966

LP-Nummer
59381_6



Ausführung Reflektor, Abdeckung, PC, eng strahlend
Bestückung LED 4000 K | CRI ≥ 90
Betriebsgerät EVG-Multilumen
Einstellung Werkseinstellung: DIP-Stufe=14
Bemessungswerte Nettolichtstrom = 4930 lm
 Systemleistung = 39.5 W
 Lichtausbeute = 124.8 lm/W

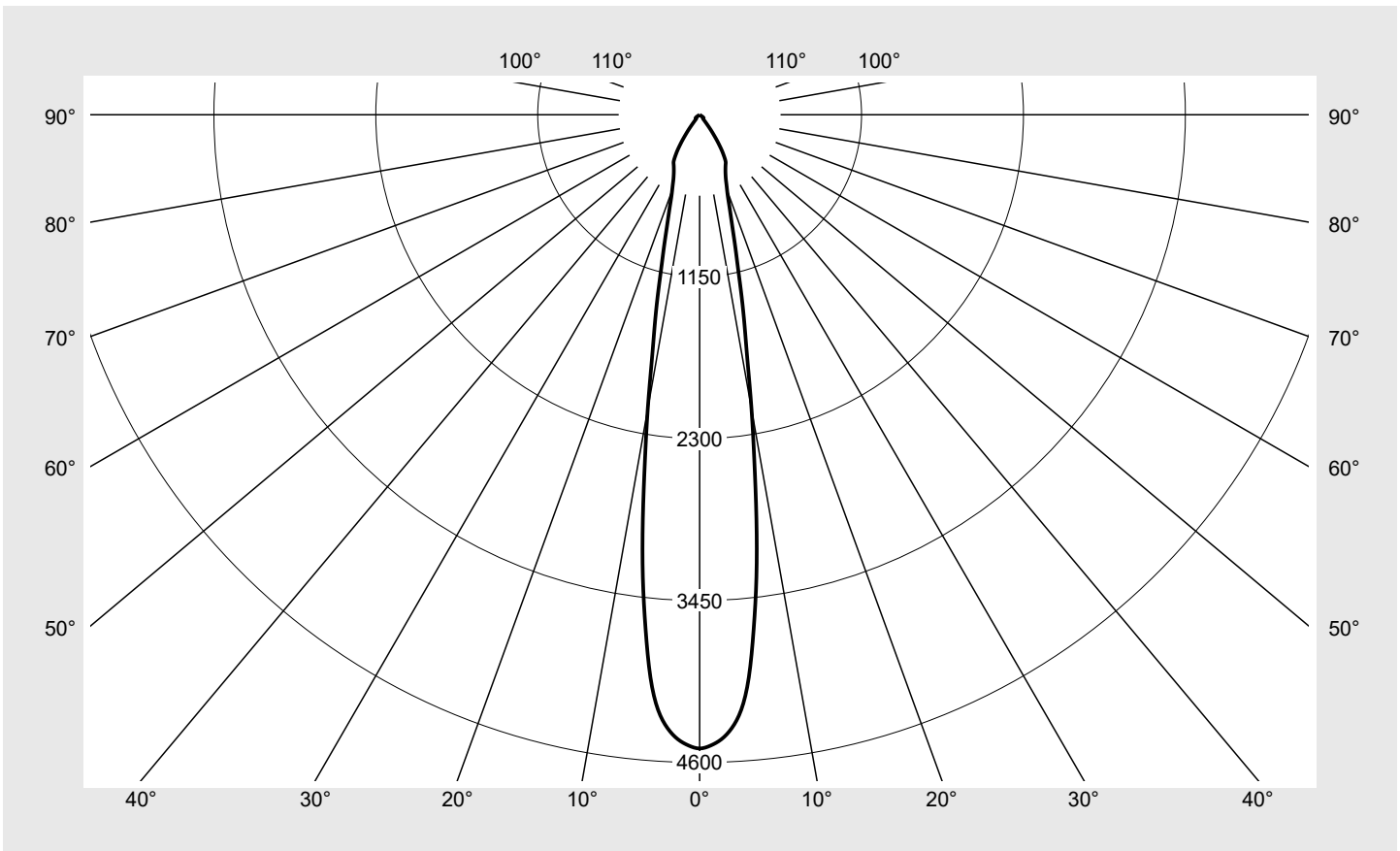
Seriendokumentation
20.01.2023

siteco

Lichtstärke in cd/klm

C180-0

Imax: 4501 cd/klm



Klassifizierungen

DIN 5040 A 7 0
 CIE N1=93 N2=97 N3=99
 N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Spot 31	Bestell-Nr.: 51SF62MAD4B EAN: 4058352769966	LP-Nummer 59381_6
----------------------------------	--	------------------------------------

Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	siteco
--	-----------------------------	---------------

C-Ebenen	0°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm	Lichtstrom in lm/klm	
0°	4500.5	1.1	1.1
1°	4480.3	8.6	9.7
2°	4437.5	17.0	26.6
3°	4362.0	25.0	51.7
4°	4236.1	32.4	84.1
5°	4010.1	38.3	122.4
6°	3672.5	42.1	164.5
7°	3309.8	44.2	208.7
8°	2898.6	44.2	253.0
9°	2482.5	42.6	295.6
10°	2122.6	40.4	336.0
11°	1782.7	37.3	373.3
12°	1538.7	35.1	408.4
13°	1327.4	32.7	441.1
14°	1130.4	30.0	471.1
15°	985.0	28.0	499.1
16°	859.9	26.0	525.0
17°	761.9	24.4	549.5
18°	683.9	23.2	572.6
19°	616.9	22.0	594.7
20°	570.3	21.4	616.1
21°	532.3	20.9	637.0
22°	498.2	20.5	657.4
23°	472.4	20.2	677.7
24°	451.2	20.1	697.8
25°	433.6	20.1	717.9
26°	418.4	20.1	738.0
27°	405.2	20.2	758.2
28°	393.9	20.3	778.5
29°	380.9	20.3	798.7
30°	356.4	19.5	818.3
31°	326.4	18.4	836.7
32°	294.9	17.1	853.8
33°	256.7	15.3	869.2
34°	220.2	13.5	882.7
35°	180.4	11.3	894.0
36°	146.1	9.4	903.4
37°	111.1	7.3	910.8
38°	79.1	5.3	916.1
39°	56.1	3.9	920.0
40°	40.9	2.9	922.8
41°	37.1	2.7	925.5
42°	35.5	2.6	928.1
43°	33.6	2.5	930.6
44°	33.1	2.5	933.2
45°	33.1	2.6	935.7
46°	32.9	2.6	938.3

C-Ebenen	0°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm	Lichtstrom in lm/klm	
47°	33.1	2.7	941.0
48°	33.6	2.7	943.7
49°	34.5	2.9	946.6
50°	35.6	3.0	949.6
51°	36.2	3.1	952.6
52°	35.7	3.1	955.7
53°	33.7	2.9	958.7
54°	30.9	2.7	961.4
55°	27.6	2.5	963.9
56°	23.6	2.1	966.1
57°	21.0	1.9	968.0
58°	19.1	1.8	969.8
59°	17.3	1.6	971.4
60°	16.3	1.5	972.9
61°	15.8	1.5	974.5
62°	15.5	1.5	976.0
63°	15.1	1.5	977.4
64°	14.4	1.4	978.9
65°	14.1	1.4	980.3
66°	13.7	1.4	981.6
67°	13.0	1.3	982.9
68°	12.9	1.3	984.3
69°	12.5	1.3	985.5
70°	12.0	1.2	986.8
71°	11.4	1.2	988.0
72°	11.1	1.2	989.1
73°	10.6	1.1	990.2
74°	10.1	1.1	991.3
75°	9.5	1.0	992.3
76°	8.7	0.9	993.2
77°	7.7	0.8	994.0
78°	6.8	0.7	994.8
79°	6.5	0.7	995.5
80°	6.1	0.7	996.1
81°	5.4	0.6	996.7
82°	5.2	0.6	997.3
83°	4.8	0.5	997.8
84°	4.1	0.5	998.2
85°	3.8	0.4	998.7
86°	3.1	0.3	999.0
87°	3.1	0.3	999.3
88°	2.5	0.3	999.6
89°	2.2	0.2	999.9
90°	2.5	0.3	1000.1

Lichttechnischer Prüfbefund

Familie Spot 31	Bestell-Nr.: 51SF62MAD4B EAN: 4058352769966	LP-Nummer 59381_6
----------------------------------	--	------------------------------------

UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	22,0	23,1	22,4	23,4	23,7	22,0	23,1	22,4	23,4	23,7
	3H	22,6	23,5	23,0	23,8	24,2	22,6	23,5	23,0	23,8	24,2
	4H	23,0	23,8	23,4	24,2	24,5	23,0	23,8	23,4	24,2	24,5
	6H	23,2	24,0	23,7	24,4	24,8	23,2	24,0	23,7	24,4	24,8
	8H	23,5	24,1	23,9	24,5	24,9	23,5	24,1	23,9	24,5	24,9
	12H	23,6	24,2	24,0	24,6	25,0	23,6	24,2	24,0	24,6	25,0
4H	2H	22,1	23,0	22,5	23,3	23,7	22,1	23,0	22,5	23,3	23,7
	3H	22,9	23,6	23,3	24,0	24,4	22,9	23,6	23,3	24,0	24,4
	4H	23,4	24,0	23,9	24,5	24,9	23,4	24,0	23,9	24,5	24,9
	6H	23,8	24,4	24,3	24,8	25,3	23,8	24,4	24,3	24,8	25,3
	8H	24,1	24,5	24,6	25,0	25,5	24,1	24,5	24,6	25,0	25,5
	12H	24,3	24,7	24,8	25,2	25,7	24,3	24,7	24,8	25,2	25,7
8H	4H	23,6	24,0	24,1	24,5	25,0	23,6	24,0	24,1	24,5	25,0
	6H	24,2	24,5	24,7	25,0	25,5	24,2	24,5	24,7	25,0	25,5
	8H	24,5	24,8	25,0	25,3	25,8	24,5	24,8	25,0	25,3	25,8
	12H	24,8	25,1	25,3	25,6	26,1	24,8	25,1	25,3	25,6	26,1
12H	4H	23,6	24,0	24,1	24,4	24,9	23,6	24,0	24,1	24,4	24,9
	6H	24,2	24,5	24,7	25,0	25,5	24,2	24,5	24,7	25,0	25,5
	8H	24,5	24,8	25,0	25,3	25,9	24,5	24,8	25,0	25,3	25,9

Leuchtdichten-Tabelle	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: D = 79
------------------------------	---------------------------------	---

C-Ebenen	0°
γ	Leuchtdichte in cd/m ²
45°	47052.6
50°	55763.3
55°	48472.6
60°	32822.6
65°	33558.7
70°	35217.9
75°	36862.9
80°	35070.9
85°	44325.2

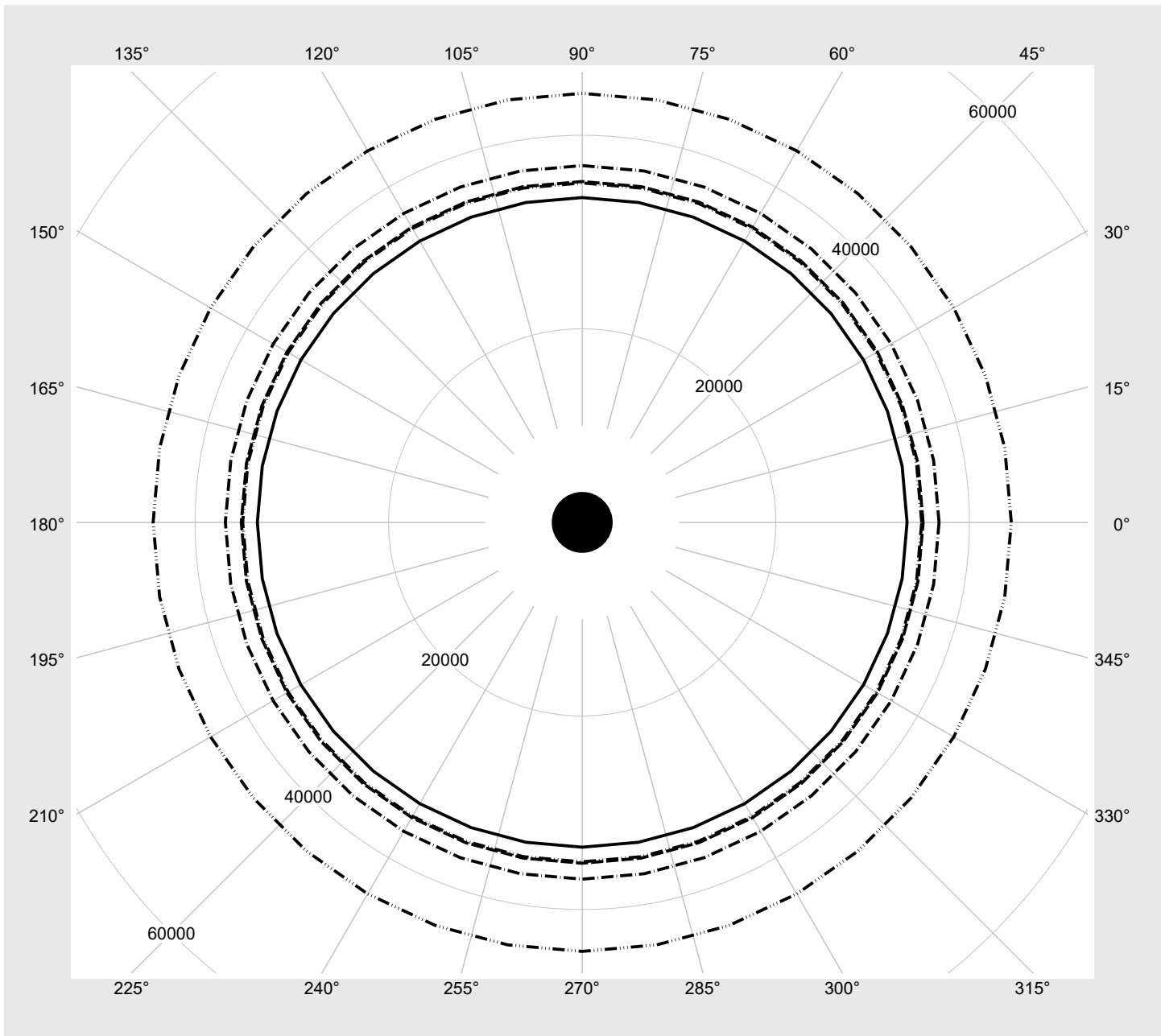
Lichttechnischer Prüfbefund

Familie Spot 31	Bestell-Nr.: 51SF62MAD4B EAN: 4058352769966	LP-Nummer 59381_6
----------------------------------	--	------------------------------------

Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
--------------	--------------	--------------	--------------	--------------

siteco



Lichttechnischer Prüfbefund

Familie Spot 31	Bestell-Nr.: 51SF62MAD4B EAN: 4058352769966	LP-Nummer 59381_6
----------------------------------	--	------------------------------------

Multilumen-Tabelle	Umgebungstemperatur: 25°C	sITeco
---------------------------	---------------------------	---------------

DIP-Stufe	Schalterstellung				Lichtstrom [lm]	Systemleistung [W]
	1	2	3	4		
15	ON	ON	ON	ON	5140	41.6
14	ON	ON	ON	OFF	4930	39.5
13	ON	ON	OFF	ON	4730	37.5
12	ON	ON	OFF	OFF	4500	35.1
11	ON	OFF	ON	ON	4310	33.4
10	ON	OFF	ON	OFF	4090	31.5
9	ON	OFF	OFF	ON	3850	28.9
8	ON	OFF	OFF	OFF	3650	26.9
7	OFF	ON	ON	ON	3430	25.8
6	OFF	ON	ON	OFF	3190	23.8
5	OFF	ON	OFF	ON	2960	21.8
4	OFF	ON	OFF	OFF	2710	19.9
3	OFF	OFF	ON	ON	2440	17.8
2	OFF	OFF	ON	OFF	2190	15.8
1	OFF	OFF	OFF	ON	1840	13.8
0	OFF	OFF	OFF	OFF	1590	11.9