

## Lichttechnischer Prüfbefund

Familie  
**PILZLEUCHTE LED**

Bestell-Nr.: **5XA5235CF14H**  
EAN: **4058352831939**

LP-Nummer  
**57120\_27**



**Ausführung** Mastaufsatz- oder Montage am Wandausleger  
**Optik** direkt, symmetrisch breit strahlend  
C120005  
**Abdeckung** Abdeckung klar, PMMA  
**Bestückung** LED 2200 K | CRI ≥ 70  
**Betriebsgerät** EVG SITECO iQ  
**Bemessungswerte** Nettolichtstrom = 3000 lm  
Systemleistung = 23.9 W  
Lichtausbeute = 125.5 lm/W

Seriendokumentation  
**24.02.2023**

siteco

Lichtstärke in cd/klm

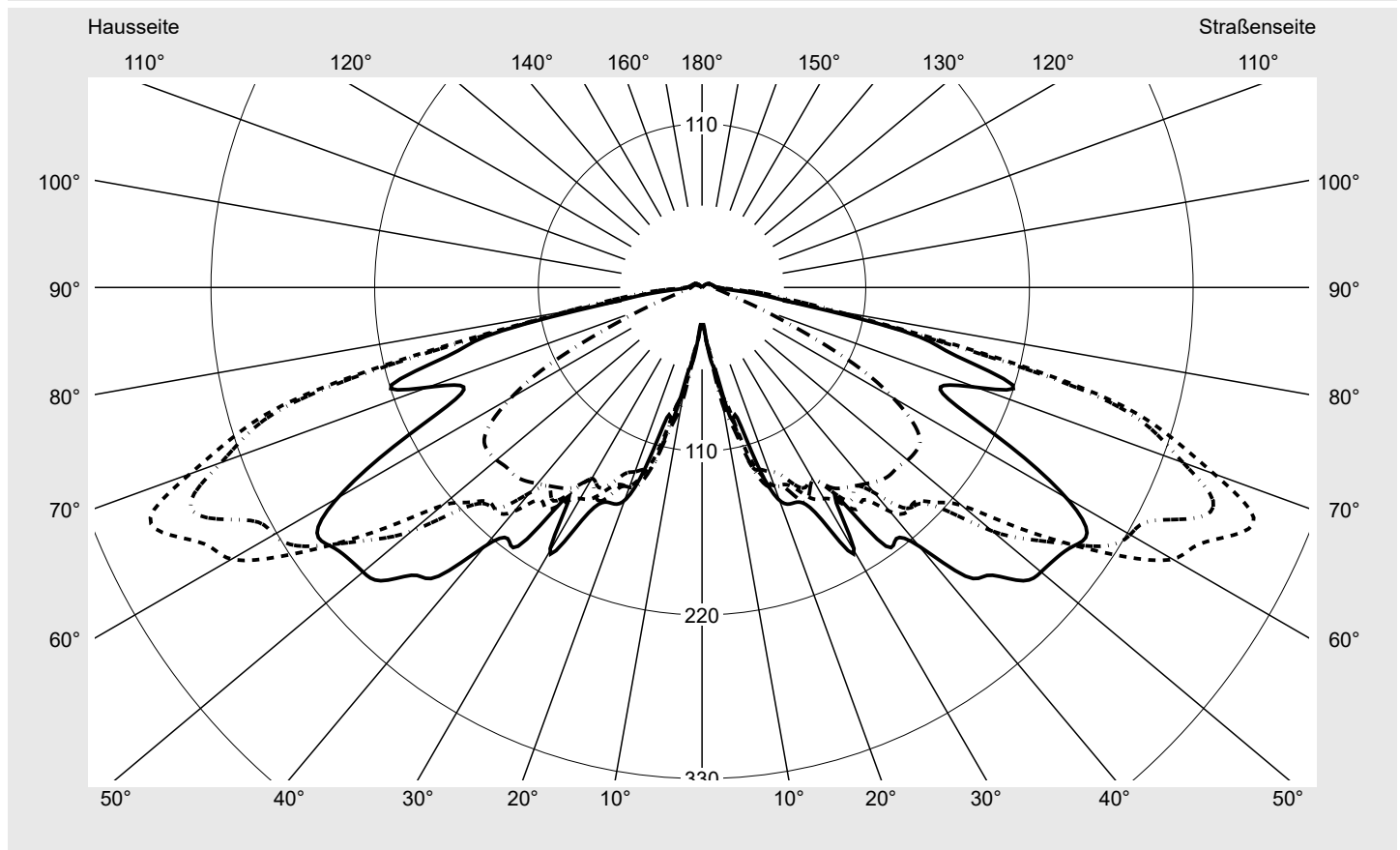
**C180-0**

C205-25

C210-30

C270-90

**Imax: 401 cd/klm**



**Leuchtenbetriebswirkungsgrade**

Eta 100.0%  
Eta 0° - 90° 97.4%  
Eta 90° - 180° 2.6%

**Lichtstärkeklasse nach EN13201-2**

Klasse: G3  
Imax 70° 366.2  
Imax 80° 92.9  
Imax 90° 11.9  
Imax >90° 9.1  
Imax >95° 8.3

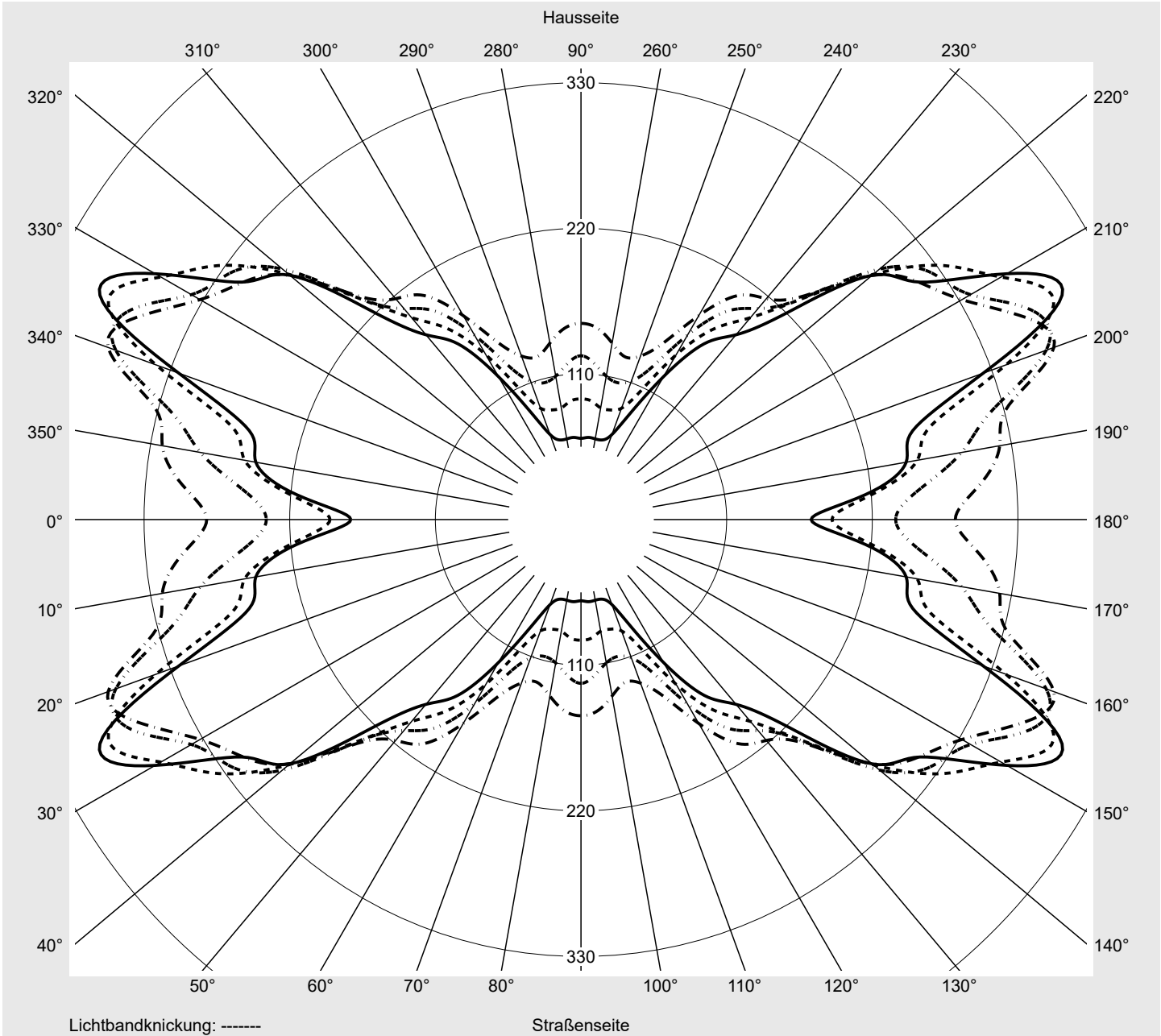
**Messbedingungen**

DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

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**Kegelmantelkurven in cd/klm**    **KMK 67,5°**    **KMK 65°**    **KMK 62,5°**    **KMK 60°**    **siteco**



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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°	
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	135° 225° 315°	
γ		Lichtstärke in cd/klm									
0,0°	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	
2,5°	25.3	25.6	25.8	26.2	26.0	26.9	27.3	27.9	27.7	27.3	
5,0°	37.9	38.2	38.8	38.6	38.4	37.9	37.7	38.1	38.5	39.5	
7,5°	51.8	52.3	51.0	52.1	51.5	48.7	46.8	47.4	49.0	51.3	
10,0°	62.2	62.3	63.7	66.4	69.8	70.7	71.1	72.3	71.6	70.4	
12,5°	90.5	92.6	93.4	89.7	87.2	83.2	84.2	84.5	90.4	89.8	
15,0°	89.9	101.2	103.2	104.3	102.5	112.4	120.5	115.8	118.4	112.5	
17,5°	127.6	123.7	127.0	134.8	131.7	131.9	128.3	131.6	129.4	126.6	
20,0°	152.3	150.9	149.7	151.7	149.4	141.9	131.8	124.5	123.8	118.1	
22,5°	157.1	159.1	165.3	157.6	153.3	143.3	135.4	132.5	123.5	117.1	
25,0°	159.6	152.0	158.6	149.9	152.2	149.3	145.8	138.6	124.4	115.9	
27,5°	178.8	161.8	157.1	153.6	155.0	159.9	151.1	153.9	145.0	134.0	
30,0°	204.8	179.3	197.8	179.9	169.4	163.8	148.3	140.2	142.5	147.0	
32,5°	165.9	178.7	174.4	172.2	171.4	170.9	162.7	151.6	157.3	167.3	
35,0°	208.5	216.0	210.4	200.0	189.3	181.9	174.8	164.6	163.3	167.0	
37,5°	213.6	228.3	227.6	211.3	197.8	179.6	168.8	175.4	184.3	181.1	
40,0°	226.9	244.3	235.1	220.1	211.0	196.5	180.1	184.7	195.4	201.2	
42,5°	263.7	257.2	241.8	224.5	218.5	204.2	201.0	202.5	202.3	213.0	
45,0°	273.3	272.5	263.5	241.7	228.7	203.3	205.7	220.2	223.9	220.2	
47,5°	291.7	278.8	285.2	269.3	241.6	213.8	221.0	234.9	240.5	232.4	
50,0°	297.4	298.3	308.8	291.1	266.5	227.9	254.7	255.7	245.8	234.4	
52,5°	299.4	301.4	302.0	303.9	288.6	262.6	278.2	278.6	253.3	235.0	
55,0°	303.7	321.4	318.2	320.1	319.5	300.0	300.6	291.2	265.1	239.5	
57,5°	306.8	324.5	322.7	332.5	354.6	336.5	323.0	298.1	275.3	240.9	
60,0°	282.7	302.4	321.1	334.7	380.0	365.2	332.2	312.2	286.8	239.2	
62,5°	237.7	256.0	291.9	322.4	373.9	374.9	339.8	324.2	294.4	236.4	
65,0°	189.6	221.3	257.9	273.5	341.5	393.8	366.4	334.5	288.2	235.8	
67,5°	173.9	215.5	249.4	259.4	323.3	400.9	371.4	312.7	287.1	221.8	
70,0°	196.1	224.3	258.1	273.0	300.6	366.2	344.0	295.3	256.8	203.8	
72,5°	219.3	229.0	241.0	253.7	292.9	327.7	316.6	262.8	205.3	169.2	
75,0°	175.7	183.5	207.7	221.0	264.4	272.0	262.5	196.3	145.4	124.9	
77,5°	144.3	133.9	140.2	155.5	169.5	163.4	152.2	115.3	98.5	91.1	
80,0°	74.0	69.8	74.4	92.9	86.6	85.0	91.9	83.7	74.9	58.4	
82,5°	43.2	40.8	43.5	58.4	48.2	45.5	56.7	64.9	56.7	42.4	
85,0°	20.8	21.1	22.9	28.4	27.5	30.8	37.8	41.7	33.1	27.9	
87,5°	11.2	11.4	12.0	13.5	15.5	16.5	16.6	18.0	19.3	17.8	
90,0°	10.0	10.2	10.5	11.2	11.4	11.7	11.9	11.8	11.2	10.8	
92,5°	8.8	9.0	9.1	9.1	9.0	9.0	9.0	8.9	8.7	8.6	
95,0°	8.6	8.6	8.7	8.5	8.4	8.3	8.2	7.9	7.9	7.7	
97,5°	7.9	8.2	8.3	8.1	7.9	7.9	7.8	7.6	7.5	7.4	
100,0°	7.5	7.7	7.8	7.8	7.7	7.5	7.5	7.3	7.1	7.0	
102,5°	7.1	7.4	7.4	7.4	7.3	7.1	7.1	7.0	6.8	6.6	
105,0°	6.9	7.0	7.1	7.0	7.0	6.7	6.7	6.7	6.6	6.4	
107,5°	6.5	6.6	6.8	6.6	6.6	6.6	6.5	6.3	6.2	6.2	
110,0°	6.1	6.2	6.4	6.3	6.2	6.2	6.1	6.0	6.0	5.8	

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	50°	55°	60°	65°	70°	75°	80°	85°	90°	Phi-Zone	Summe Phi-Zone
	130° 230° 310°	125° 235° 305°	120° 240° 300°	115° 245° 295°	110° 250° 290°	105° 255° 285°	100° 260° 280°	95° 265° 275°			
$\gamma$	Lichtstärke in cd/klm									Lichtstrom in lm/klm	
0,0°	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	0.0	0.0
2,5°	27.2	27.6	27.8	27.7	28.4	29.5	28.6	27.8	27.7	0.3	0.4
5,0°	39.8	39.9	39.6	38.9	38.2	38.0	38.8	39.0	38.9	0.9	1.3
7,5°	55.9	57.1	58.1	55.1	53.8	53.1	52.9	53.0	51.2	1.9	3.2
10,0°	73.9	76.7	75.5	73.7	74.5	78.6	78.8	79.3	80.1	3.4	6.6
12,5°	91.8	95.2	93.6	89.1	88.9	90.9	93.7	95.6	95.8	5.4	12.0
15,0°	110.2	111.7	111.4	110.5	112.7	113.0	114.0	116.4	119.6	7.9	19.8
17,5°	122.6	119.6	121.1	120.0	125.5	131.7	136.5	139.4	138.0	10.6	30.4
20,0°	115.9	123.3	126.3	127.9	130.4	133.5	135.8	138.9	142.9	12.6	43.0
22,5°	120.8	126.7	131.7	134.3	135.8	139.7	144.3	146.7	145.7	14.7	57.7
25,0°	118.2	126.4	133.8	136.7	142.4	147.9	155.0	156.7	158.0	16.5	74.2
27,5°	129.8	129.5	140.9	144.7	147.0	149.0	152.3	154.5	156.1	18.9	93.1
30,0°	143.0	138.9	147.5	155.7	158.4	155.7	154.3	151.6	149.6	21.7	114.8
32,5°	166.8	162.8	160.6	165.8	165.6	158.5	157.5	159.3	158.8	24.3	139.1
35,0°	176.3	179.8	169.7	170.4	173.7	166.1	163.6	164.8	164.5	28.1	167.2
37,5°	183.4	194.4	187.2	181.6	178.8	168.5	166.4	168.2	168.2	31.3	198.5
40,0°	197.3	201.4	199.4	186.8	180.6	169.6	169.0	171.0	172.0	34.7	233.1
42,5°	212.1	207.6	206.6	194.1	181.0	171.8	172.2	174.6	176.1	38.1	271.3
45,0°	221.4	214.9	209.3	200.7	182.3	174.5	175.2	177.6	178.3	41.6	312.8
47,5°	228.2	222.4	212.0	201.2	181.3	175.8	176.0	177.8	178.6	45.2	358.1
50,0°	234.0	226.2	212.4	198.2	178.7	176.1	176.8	179.6	180.4	49.0	407.1
52,5°	235.9	230.6	212.6	190.0	173.6	173.4	176.5	180.7	181.0	52.2	459.3
55,0°	236.2	230.0	205.0	178.3	162.6	164.2	169.8	176.7	178.8	55.4	514.7
57,5°	229.9	223.0	194.8	163.2	148.3	149.5	156.3	163.6	167.5	57.5	572.1
60,0°	217.8	206.6	177.8	147.2	131.5	127.4	135.3	144.9	148.2	57.7	629.9
62,5°	208.1	192.1	160.8	127.2	111.3	107.0	110.0	118.1	123.7	55.8	685.6
65,0°	199.0	176.2	143.7	107.6	89.5	85.7	85.6	89.9	91.1	52.9	738.5
67,5°	182.2	162.0	124.6	89.2	68.4	62.3	61.9	62.3	61.4	50.3	788.8
70,0°	165.3	144.3	105.8	74.7	53.5	41.7	40.9	41.5	41.6	47.4	836.1
72,5°	138.3	119.1	87.5	57.9	42.2	29.5	27.2	26.5	27.3	42.8	879.0
75,0°	117.2	105.9	77.5	45.1	27.8	22.5	20.3	19.7	19.6	35.5	914.4
77,5°	92.7	91.2	66.1	33.4	19.5	17.3	16.3	16.0	15.7	24.6	939.0
80,0°	50.5	51.2	34.1	17.1	14.0	13.2	13.1	13.0	12.8	14.5	953.5
82,5°	33.2	24.3	18.0	12.2	11.3	10.9	10.8	10.7	10.8	9.3	962.8
85,0°	21.8	17.1	14.0	10.6	9.8	9.5	9.3	9.1	9.0	5.9	968.7
87,5°	15.0	12.1	10.5	9.3	8.9	8.7	8.3	8.1	7.7	3.5	972.2
90,0°	10.2	9.8	9.0	8.6	8.3	7.8	7.4	7.3	7.3	2.7	974.9
92,5°	8.5	8.3	8.3	8.1	7.9	7.4	7.1	6.9	6.9	2.3	977.2
95,0°	7.5	7.5	7.1	7.0	6.8	6.6	6.6	6.5	6.5	2.1	979.3
97,5°	7.1	7.0	6.8	6.6	6.6	6.4	6.3	6.3	6.3	2.0	981.3
100,0°	6.7	6.7	6.6	6.4	6.2	6.2	6.1	6.1	6.1	1.9	983.1
102,5°	6.6	6.5	6.2	6.2	6.0	5.9	5.9	5.8	5.7	1.8	984.9
105,0°	6.2	6.2	6.1	5.8	5.8	5.8	5.7	5.6	5.5	1.7	986.6
107,5°	6.0	5.8	5.8	5.8	5.5	5.5	5.5	5.4	5.1	1.6	988.2
110,0°	5.7	5.7	5.6	5.5	5.5	5.4	5.3	5.2	4.7	1.5	989.7

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	135° 225° 315°
		Lichtstärke in cd/klm								
γ										
112,5°	5.7	6.0	6.0	6.1	5.9	5.8	5.7	5.7	5.7	5.6
115,0°	5.5	5.6	5.7	5.7	5.7	5.7	5.6	5.4	5.4	5.3
117,5°	5.1	5.3	5.3	5.3	5.3	5.3	5.3	5.1	5.1	5.0
120,0°	5.5	5.0	4.9	5.1	5.2	5.0	4.9	4.9	4.9	4.9
122,5°	4.7	4.7	4.9	4.8	4.8	4.8	4.7	4.8	4.6	4.5
125,0°	4.3	4.3	4.4	4.4	4.3	4.3	4.3	4.3	4.2	4.3
127,5°	3.7	3.7	3.7	3.7	3.8	3.7	3.7	3.7	3.6	3.7
130,0°	3.3	2.9	2.9	3.1	3.1	3.0	3.0	2.9	2.9	2.9
132,5°	2.4	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.3	2.2
135,0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9
137,5°	2.0	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
140,0°	1.6	1.6	1.6	1.5	1.6	1.5	1.6	1.6	1.5	1.5
142,5°	1.4	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145,0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147,5°	1.0	1.1	1.1	1.0	1.0	1.0	1.0	1.0	0.9	1.0
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C- Ebenen	50°	55°	60°	65°	70°	75°	80°	85°	90° 270°	Phi-Zone	Summe Phi-Zone	
	130° 230° 310°	125° 235° 305°	120° 240° 300°	115° 245° 295°	110° 250° 290°	105° 255° 285°	100° 260° 280°	95° 265° 275°				
		Lichtstärke in cd/klm									Lichtstrom in lm/klm	
γ												
112,5°	5.6	5.5	5.4	5.3	5.2	5.2	5.1	5.0	4.1	1.4	991.1	
115,0°	5.3	5.3	5.1	5.1	5.1	5.0	5.0	4.4	2.9	1.3	992.4	
117,5°	5.0	4.9	4.9	4.9	4.8	4.9	4.8	4.0	2.4	1.2	993.6	
120,0°	4.9	4.9	4.8	4.7	4.7	4.6	4.6	3.5	2.0	1.1	994.7	
122,5°	4.5	4.5	4.5	4.5	4.5	4.5	4.4	3.2	2.0	1.0	995.8	
125,0°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	2.9	1.8	0.9	996.7	
127,5°	3.7	3.6	3.6	3.5	3.6	3.6	3.3	2.4	1.6	0.8	997.5	
130,0°	2.9	2.9	2.8	2.8	2.9	2.9	2.7	2.0	1.6	0.6	998.0	
132,5°	2.2	2.2	2.2	2.2	2.2	2.2	2.0	1.6	1.4	0.4	998.5	
135,0°	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.6	1.4	0.4	998.9	
137,5°	1.7	1.8	1.6	1.6	1.6	1.6	1.6	1.4	1.2	0.3	999.2	
140,0°	1.5	1.5	1.6	1.5	1.6	1.6	1.5	1.2	1.2	0.3	999.5	
142,5°	1.3	1.3	1.2	1.3	1.2	1.2	1.2	1.2	1.2	0.2	999.7	
145,0°	1.2	1.1	1.1	1.2	1.2	1.2	1.2	1.0	1.2	0.2	999.9	
147,5°	0.9	1.0	0.9	1.0	1.1	1.0	1.0	1.0	1.0	0.2	1000.0	
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
165,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
180,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	

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<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>siteco</b>
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	3000	23.9	25.5	24.7
95	241	252	2846	22.5	24.0	23.2
90	229	250	2705	21.2	22.6	21.9
85	216	248	2551	19.9	21.2	20.5
80	203	246	2398	18.6	19.8	19.2
75	190	243	2244	17.4	18.5	18.0
70	178	241	2102	16.2	17.2	16.7
65	165	238	1949	14.9	15.9	15.4
60	152	235	1795	13.8	14.6	14.2
55	140	232	1654	12.7	13.4	13.0
50	127	229	1500	11.5	12.2	11.8
45	114	225	1346	10.3	11.0	10.6
40	102	221	1205	9.4	9.9	9.6
35	89	216	1051	8.2	8.7	8.4
30	76	210	898	7.2	7.6	7.4
25	63	203	744	6.2	6.5	6.4
20	51	195	602	5.3	5.5	5.4
15	38	184	449	4.2	4.4	4.3
15	37	183	437	4.1	4.3	4.2