

## Lichttechnischer Prüfbefund

**Familie**  
**LATERNE CLASSIC LED**

**Bestell-Nr.: 5XA5245JF14H000022**  
**EAN: 4058352635919**

**LP-Nummer**  
**57126\_27**



<b>Ausführung</b>	Mastaufsatz- oder Montage am Wandausleger
<b>Optik</b>	symmetrisch, breit strahlend (PL1.2s)
<b>Abdeckung</b>	Abdeckung klar, PMMA
<b>Bestückung</b>	LED 3000 K   CRI ≥ 70
<b>Betriebsgerät</b>	EVG SITECO iQ
<b>Bemessungswerte</b>	Nettolichtstrom = 2660 lm Systemleistung = 19.3 W Lichtausbeute = 137.8 lm/W

**Seriendokumentation**  
**24.02.2023**

**siteco**

**Lichtstärke in cd/klm**

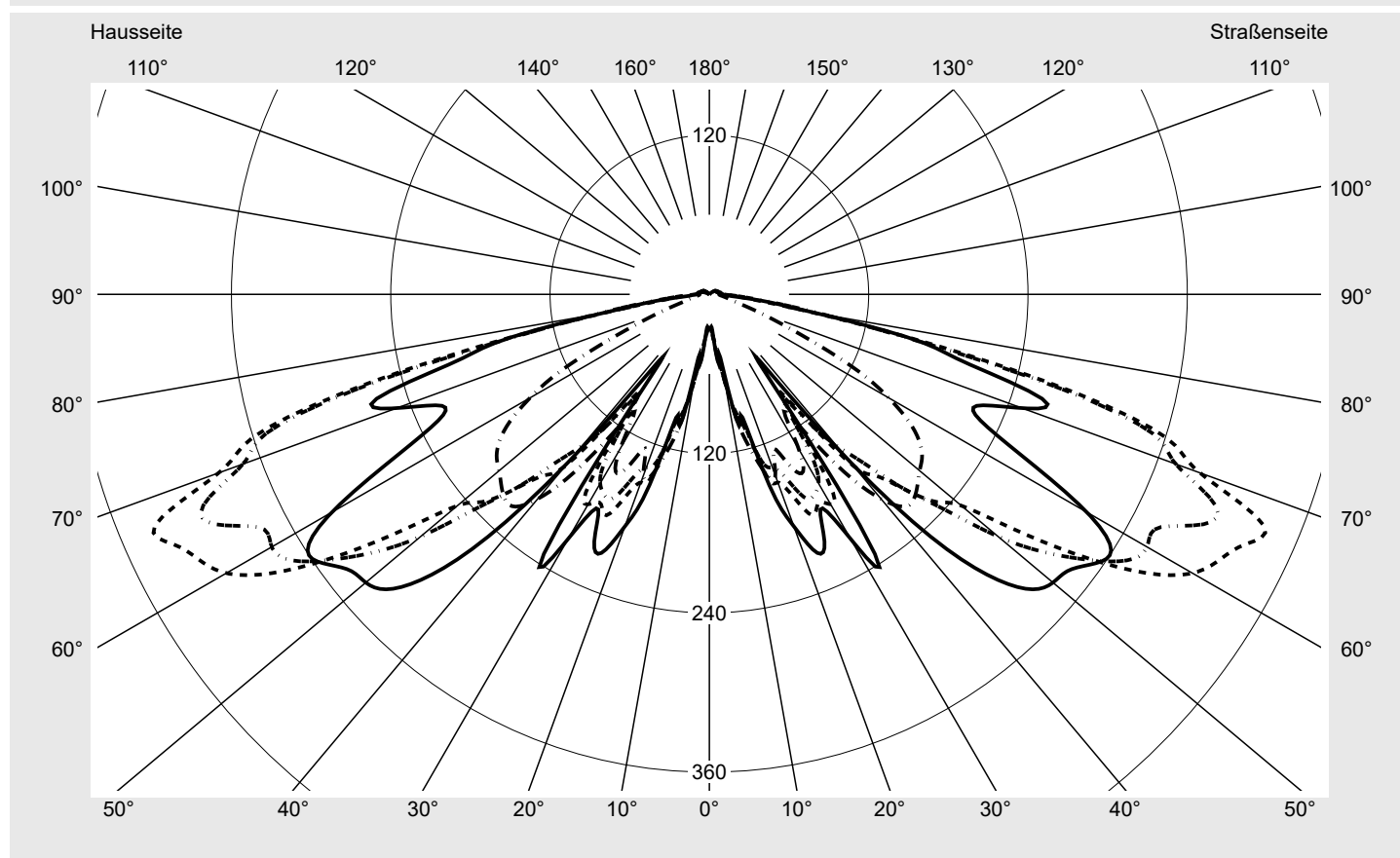
**C180-0**

**C205-25**

**C210-30**

**C270-90**

**Imax: 451 cd/klm**



**Leuchtenbetriebswirkungsgrade**

Eta	100.0%
Eta 0° - 90°	97.3%
Eta 90° - 180°	2.7%

**Lichtstärkeklasse nach EN13201-2**

Klasse:	G3
Imax 70°	393.0
Imax 80°	90.3
Imax 90°	9.8
Imax >90°	9.7
Imax >95°	9.0

**Messbedingungen**

DIN EN 13032 und DIN 5032

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LP-Nummer  
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Kegelmantelkurven in cd/klm

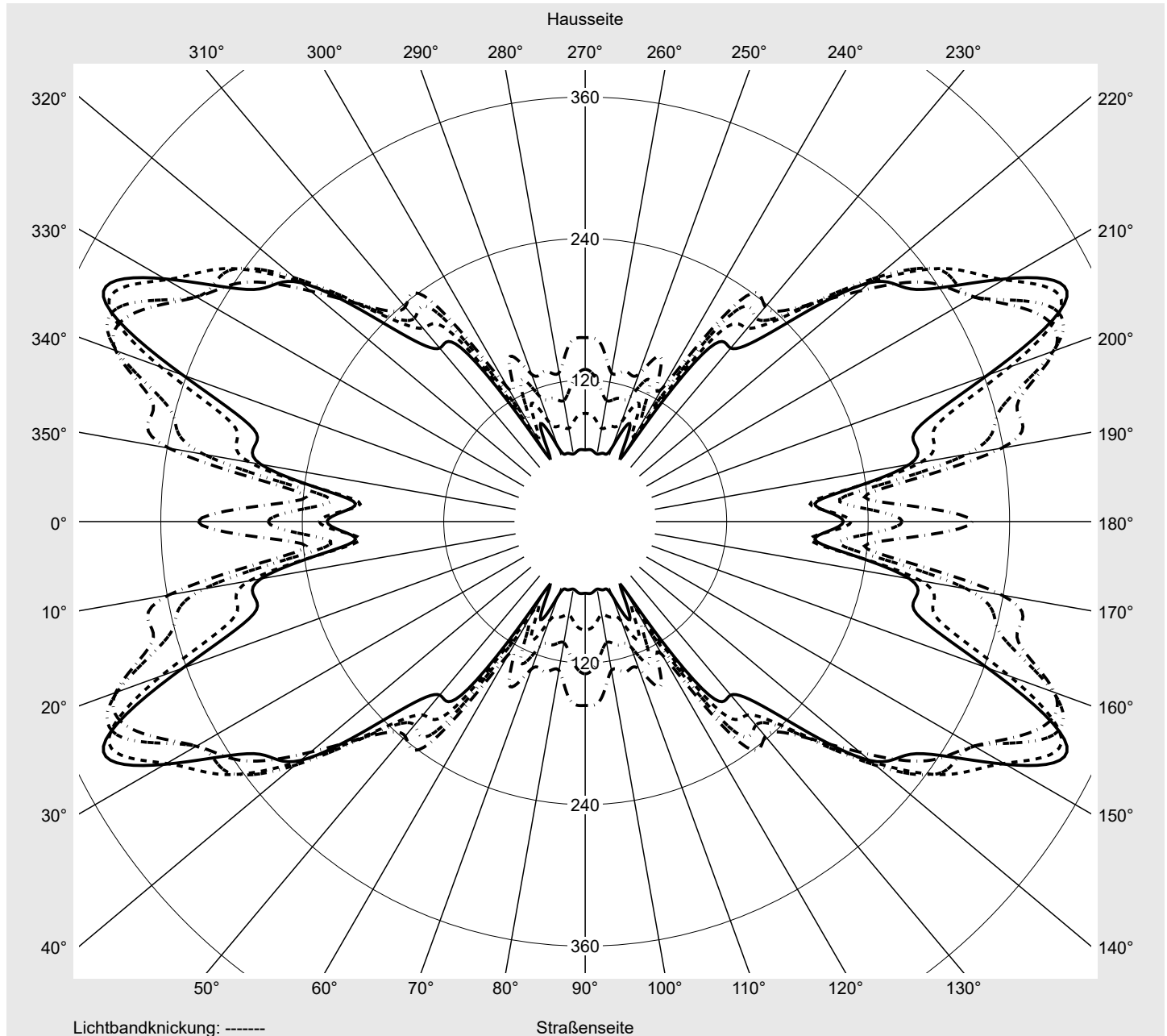
KMK 67,5°

KMK 65°

KMK 62,5°

KMK 60°

siteco



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<b>Familie</b> <b>LATERNE CLASSIC LED</b>	<b>Bestell-Nr.: 5XA5245JF14H000022</b> <b>EAN: 4058352635919</b>	<b>LP-Nummer</b> <b>57126_27</b>
<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°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
2,5°	25.3	25.3	25.4	25.5	25.6	25.6	25.8	26.0	26.2	26.2	26.2
5,0°	29.6	29.8	30.2	30.7	31.5	32.3	33.2	33.8	33.7	32.9	32.9
7,5°	52.1	51.0	48.4	46.1	44.1	43.1	43.0	43.1	43.4	42.5	42.5
10,0°	49.9	53.4	58.7	63.0	66.0	66.6	66.0	67.0	68.6	69.3	69.3
12,5°	100.2	87.8	94.1	91.5	95.4	92.1	90.2	87.4	90.2	89.5	89.5
15,0°	95.4	106.9	107.0	113.3	106.8	101.0	106.0	125.7	130.3	123.6	123.6
17,5°	152.5	145.0	118.0	141.4	142.5	143.8	132.7	136.3	141.3	139.6	139.6
20,0°	186.0	175.6	152.5	178.0	170.5	150.8	138.9	133.6	134.1	126.1	126.1
22,5°	210.4	213.7	170.0	190.6	184.5	164.7	148.9	139.8	133.3	118.0	118.0
25,0°	205.1	181.8	139.1	180.3	180.7	183.7	168.6	154.2	153.0	129.4	129.4
27,5°	181.9	167.1	135.8	179.1	176.3	177.6	170.8	153.5	163.7	138.3	138.3
30,0°	212.6	193.2	159.5	200.9	190.1	182.7	164.5	143.4	160.6	146.3	146.3
32,5°	232.5	195.5	158.3	189.0	181.5	166.0	140.6	95.7	115.2	104.7	104.7
35,0°	93.6	81.2	66.4	87.0	88.5	96.3	93.7	77.4	113.3	100.9	100.9
37,5°	69.2	67.4	71.7	83.8	100.9	113.3	118.6	116.0	133.2	120.8	120.8
40,0°	163.0	150.0	145.9	161.8	169.5	168.7	148.6	133.2	145.8	150.8	150.8
42,5°	250.2	202.2	205.7	221.8	206.2	185.2	172.9	171.0	179.2	191.7	191.7
45,0°	301.7	228.6	260.0	259.1	240.8	207.6	207.3	212.0	226.4	219.9	219.9
47,5°	329.0	244.4	322.3	301.2	274.7	231.4	239.7	236.9	251.4	238.9	238.9
50,0°	337.9	247.9	363.0	325.0	294.9	247.6	284.0	270.6	251.0	248.7	248.7
52,5°	341.5	236.8	362.0	341.6	320.6	293.0	319.7	308.6	252.1	254.2	254.2
55,0°	353.8	236.9	363.1	366.4	359.6	345.6	348.8	327.6	269.0	259.0	259.0
57,5°	358.8	240.2	365.8	379.3	398.9	391.0	373.0	338.4	285.7	263.0	263.0
60,0°	328.3	237.8	358.8	379.2	423.8	420.2	380.7	353.6	304.2	257.2	257.2
62,5°	269.1	216.6	328.6	363.9	422.6	433.3	381.0	370.3	321.5	254.1	254.1
65,0°	225.6	193.0	289.0	307.1	382.9	445.6	410.2	374.0	316.1	251.4	251.4
67,5°	219.0	197.5	279.4	288.7	363.3	450.9	411.6	343.1	315.1	232.5	232.5
70,0°	250.7	211.1	283.7	296.1	335.6	393.0	373.7	322.0	276.4	209.3	209.3
72,5°	263.9	215.3	264.3	285.5	329.2	362.0	351.2	283.1	215.3	171.2	171.2
75,0°	201.3	185.4	232.1	246.2	283.1	282.9	273.0	200.2	144.2	121.2	121.2
77,5°	159.6	136.8	153.1	163.5	177.5	165.7	156.5	110.0	94.8	84.9	84.9
80,0°	82.4	65.0	77.4	90.3	83.4	80.3	88.0	75.9	65.2	46.7	46.7
82,5°	46.0	41.3	41.9	55.4	44.3	39.4	50.0	56.7	45.5	30.8	30.8
85,0°	19.1	19.8	19.9	23.9	21.6	23.6	28.7	31.2	22.1	16.6	16.6
87,5°	13.2	13.4	13.7	15.5	15.4	15.9	17.2	15.9	13.9	11.5	11.5
90,0°	9.1	9.2	9.7	9.8	9.8	9.8	9.6	9.4	9.2	8.9	8.9
92,5°	9.1	9.1	9.4	9.7	9.7	9.4	9.3	9.0	9.0	8.9	8.9
95,0°	9.1	9.1	9.2	9.4	9.3	9.2	9.3	8.9	8.9	8.8	8.8
97,5°	8.7	9.0	9.0	8.9	9.0	9.0	8.9	8.9	8.7	8.4	8.4
100,0°	8.4	8.5	8.5	8.5	8.4	8.7	8.7	8.4	8.1	8.1	8.1
102,5°	7.7	7.7	8.0	8.0	8.0	8.0	8.0	7.9	7.5	7.5	7.5
105,0°	7.3	7.3	7.4	7.5	7.5	7.3	7.5	7.2	7.1	7.1	7.1
107,5°	6.8	6.8	6.8	6.7	6.7	6.7	6.6	6.6	6.6	6.5	6.5
110,0°	6.6	6.4	6.3	6.1	6.1	6.1	6.1	6.1	6.1	5.8	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°	125°	120°	115°	110°	105°	100°	95°			
	230°	235°	240°	245°	250°	255°	260°	265°	270°		
	310°	305°	300°	295°	290°	285°	280°	275°			
$\gamma$	Lichtstärke in cd/klm									Lichtstrom in lm/klm	
0,0°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	0.0	0.0
2,5°	26.2	26.2	26.2	26.1	26.2	26.2	26.2	26.2	26.2	0.3	0.3
5,0°	32.1	31.6	31.6	33.2	33.0	32.7	32.9	33.0	32.8	0.8	1.1
7,5°	41.2	39.7	38.2	39.0	40.2	42.6	44.9	48.5	50.3	1.6	2.7
10,0°	68.4	62.6	56.9	50.8	50.4	61.6	65.6	67.7	65.6	3.0	5.7
12,5°	87.2	76.5	68.2	64.2	68.1	77.3	86.3	94.4	98.8	5.1	10.7
15,0°	119.4	117.6	103.5	93.8	90.0	93.3	113.7	120.6	121.8	7.8	18.5
17,5°	136.8	127.0	115.3	113.7	109.6	118.0	134.0	142.1	141.8	10.9	29.5
20,0°	133.5	128.7	118.3	124.7	112.2	103.8	129.1	140.6	145.5	13.1	42.6
22,5°	132.5	133.5	119.9	130.6	117.0	92.8	114.2	124.2	126.1	15.1	57.7
25,0°	142.6	146.8	128.4	137.2	131.9	109.1	129.2	140.8	141.6	17.4	75.1
27,5°	147.0	143.8	126.7	140.5	135.6	116.9	129.8	150.8	151.6	19.1	94.3
30,0°	154.1	146.8	121.1	133.5	128.5	111.0	109.4	131.6	134.8	20.9	115.2
32,5°	128.6	129.8	123.6	119.4	113.3	105.9	105.6	108.5	105.0	20.0	135.3
35,0°	128.5	131.0	130.2	139.0	119.8	103.6	121.2	129.8	130.9	16.8	152.0
37,5°	147.5	151.4	131.0	149.6	132.6	129.5	147.3	168.8	172.6	20.4	172.5
40,0°	158.2	159.9	147.5	178.5	157.8	164.2	163.6	195.9	201.3	28.2	200.7
42,5°	202.9	194.2	176.0	213.1	178.2	190.6	178.5	212.4	217.0	36.2	236.9
45,0°	243.8	225.6	194.1	226.4	182.6	203.1	182.8	215.3	217.9	43.0	279.9
47,5°	255.3	247.1	202.6	229.5	183.8	206.0	187.5	210.9	212.6	48.7	328.6
50,0°	266.1	256.0	202.3	223.1	182.7	202.2	180.5	205.4	206.7	52.8	381.3
52,5°	268.3	261.8	189.4	208.2	172.5	192.4	176.0	200.7	201.9	55.9	437.3
55,0°	262.6	258.4	173.6	189.7	162.0	177.6	162.9	189.9	193.1	59.0	496.2
57,5°	252.9	248.6	150.9	170.8	149.8	158.9	147.8	172.5	178.0	61.1	557.3
60,0°	237.6	228.5	130.0	152.7	133.0	131.9	128.2	151.3	156.0	61.3	618.6
62,5°	225.3	212.3	103.0	129.9	113.0	108.3	104.3	119.3	129.1	59.5	678.2
65,0°	214.1	191.1	85.7	108.6	89.8	83.9	80.3	88.3	91.8	56.2	734.3
67,5°	192.0	173.1	65.6	90.0	67.0	59.9	58.2	60.9	60.8	53.3	787.7
70,0°	173.8	152.0	53.8	74.6	52.3	39.2	38.7	39.2	40.3	49.7	837.3
72,5°	141.3	123.5	36.8	58.3	43.0	27.7	25.4	24.5	25.5	45.1	882.4
75,0°	112.6	107.1	33.4	44.4	27.0	21.4	18.9	17.9	18.0	36.2	918.6
77,5°	84.4	86.6	22.4	34.3	18.7	16.5	15.1	14.6	14.6	24.1	942.7
80,0°	39.6	43.6	15.8	16.7	13.0	12.3	12.3	12.0	11.8	13.3	956.0
82,5°	21.6	16.5	11.3	11.3	10.2	10.0	10.0	9.9	9.8	8.1	964.0
85,0°	12.1	11.3	9.6	9.3	8.9	8.9	8.7	8.5	8.2	4.5	968.6
87,5°	10.1	9.4	8.1	8.1	8.0	8.1	7.9	7.7	7.5	3.2	971.7
90,0°	8.7	8.2	7.6	7.5	7.5	7.5	7.5	7.3	7.3	2.4	974.1
92,5°	8.4	8.2	8.0	7.5	7.5	7.6	7.5	7.5	7.3	2.3	976.5
95,0°	8.4	8.3	8.0	7.9	7.5	7.9	7.5	7.5	7.3	2.3	978.8
97,5°	8.4	8.1	8.0	7.5	7.5	7.5	7.5	7.4	7.3	2.3	981.0
100,0°	8.0	8.0	7.5	7.5	7.5	7.2	7.1	7.3	7.1	2.2	983.2
102,5°	7.5	7.4	7.1	7.1	6.8	6.7	6.6	6.6	6.6	2.0	985.2
105,0°	7.1	6.7	6.6	6.5	6.4	6.3	6.1	5.9	5.9	1.8	987.0
107,5°	6.4	6.1	6.0	6.0	5.8	5.7	5.7	5.5	5.2	1.6	988.7
110,0°	5.7	5.7	5.7	5.6	5.5	5.4	5.2	5.2	4.8	1.5	990.2

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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								
112,5°	5.9	5.9	5.9	5.9	5.9	6.0	6.1	5.9	5.7	5.7
115,0°	5.9	5.7	5.7	5.7	5.7	5.7	5.9	5.6	5.5	5.5
117,5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.1	5.2
120,0°	5.5	5.1	5.0	5.0	5.0	5.1	5.2	5.0	5.0	4.9
122,5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.6	4.7
125,0°	4.1	4.3	4.2	4.1	4.1	4.1	4.2	4.1	4.1	4.1
127,5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
130,0°	2.7	2.7	2.7	2.7	2.7	2.5	2.5	2.5	2.5	2.4
132,5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
135,0°	2.3	2.2	2.0	1.9	1.9	1.8	1.8	1.9	1.8	1.8
137,5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
140,0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142,5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.9
145,0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147,5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°				
γ		Lichtstärke in cd/klm									Lichtstrom in lm/klm	
112,5°	5.5	5.5	5.2	5.2	5.2	5.1	5.1	4.6	3.2	1.4	991.5	
115,0°	5.4	5.2	5.1	5.0	5.0	5.0	4.8	4.1	2.3	1.3	992.9	
117,5°	5.0	5.0	5.0	5.0	4.8	4.8	4.8	3.6	2.3	1.2	994.1	
120,0°	4.9	4.8	4.8	4.7	4.6	4.6	4.3	3.2	2.0	1.1	995.2	
122,5°	4.6	4.6	4.6	4.6	4.6	4.3	4.1	2.8	1.8	1.0	996.2	
125,0°	4.1	4.1	4.1	4.0	3.9	3.8	3.6	2.5	1.8	0.9	997.1	
127,5°	3.2	3.2	3.2	3.2	3.0	2.8	2.7	1.9	1.4	0.7	997.8	
130,0°	2.5	2.4	2.3	2.3	2.3	2.3	2.0	1.8	1.4	0.5	998.3	
132,5°	2.3	2.3	2.3	2.3	2.3	2.0	1.8	1.4	1.4	0.4	998.7	
135,0°	1.8	1.8	1.8	1.8	1.8	1.8	1.4	1.4	0.9	0.4	999.1	
137,5°	1.8	1.8	1.6	1.6	1.5	1.4	1.4	1.0	0.9	0.3	999.4	
140,0°	1.4	1.4	1.4	1.4	1.4	1.3	0.9	0.9	0.9	0.2	999.6	
142,5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.2	999.8	
145,0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.1	999.9	
147,5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.1	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>		<b>Umgebungstemperatur: 25°C</b>
<b>siteco</b>		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	2660	19.3	20.6	20.0
95	241	252	2524	18.3	19.4	18.8
90	229	250	2398	17.3	18.4	17.8
85	216	248	2262	16.3	17.3	16.8
80	203	246	2126	15.2	16.2	15.7
75	190	243	1990	14.2	15.1	14.6
70	178	241	1864	13.3	14.1	13.7
65	165	238	1728	12.4	13.2	12.8
60	152	235	1592	11.4	12.1	11.8
55	140	232	1466	10.5	11.2	10.8
50	127	229	1330	9.6	10.1	9.8
45	114	225	1194	8.7	9.2	9.0
40	102	221	1068	7.9	8.3	8.1
35	89	216	932	7.1	7.4	7.2
30	76	210	796	6.2	6.5	6.4
25	63	203	660	5.4	5.6	5.5
20	51	195	534	4.6	4.8	4.7
17	44	190	461	4.1	4.3	4.2