

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 5XA5243CB14H**  
**EAN: 4058352436424**

**LP-Nummer**  
**57126\_7**



<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 2200 K   CRI ≥ 70
<b>Betriebsgerät</b>	EVG Plus
<b>Bemessungswerte</b>	Nettolichtstrom = 2450 lm Systemleistung = 25.4 W Lichtausbeute = 96.5 lm/W

**Seriendokumentation**  
**25.09.2020**

**sitEco**

**Lichtstärke in cd/klm**

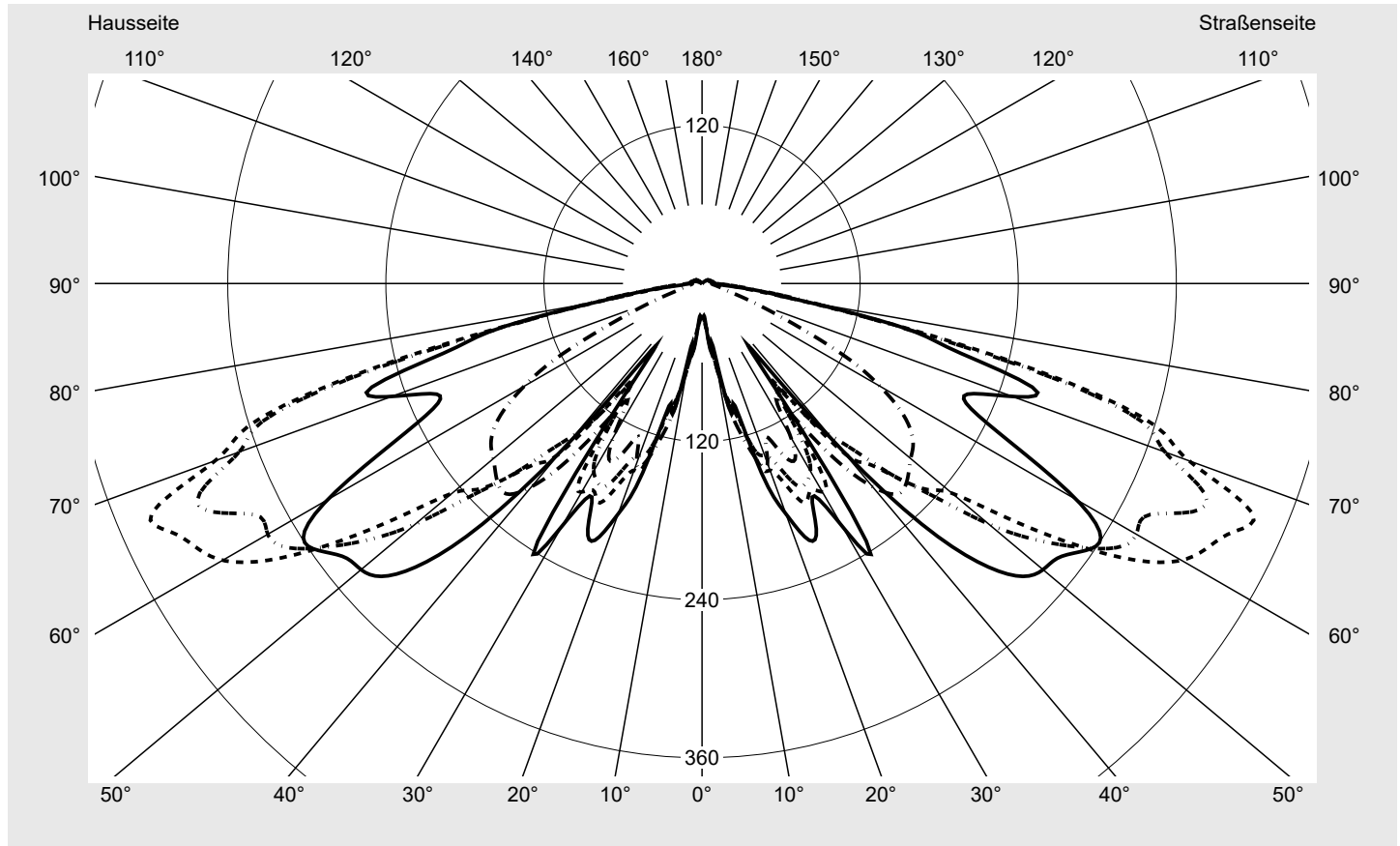
**C180-0**

**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

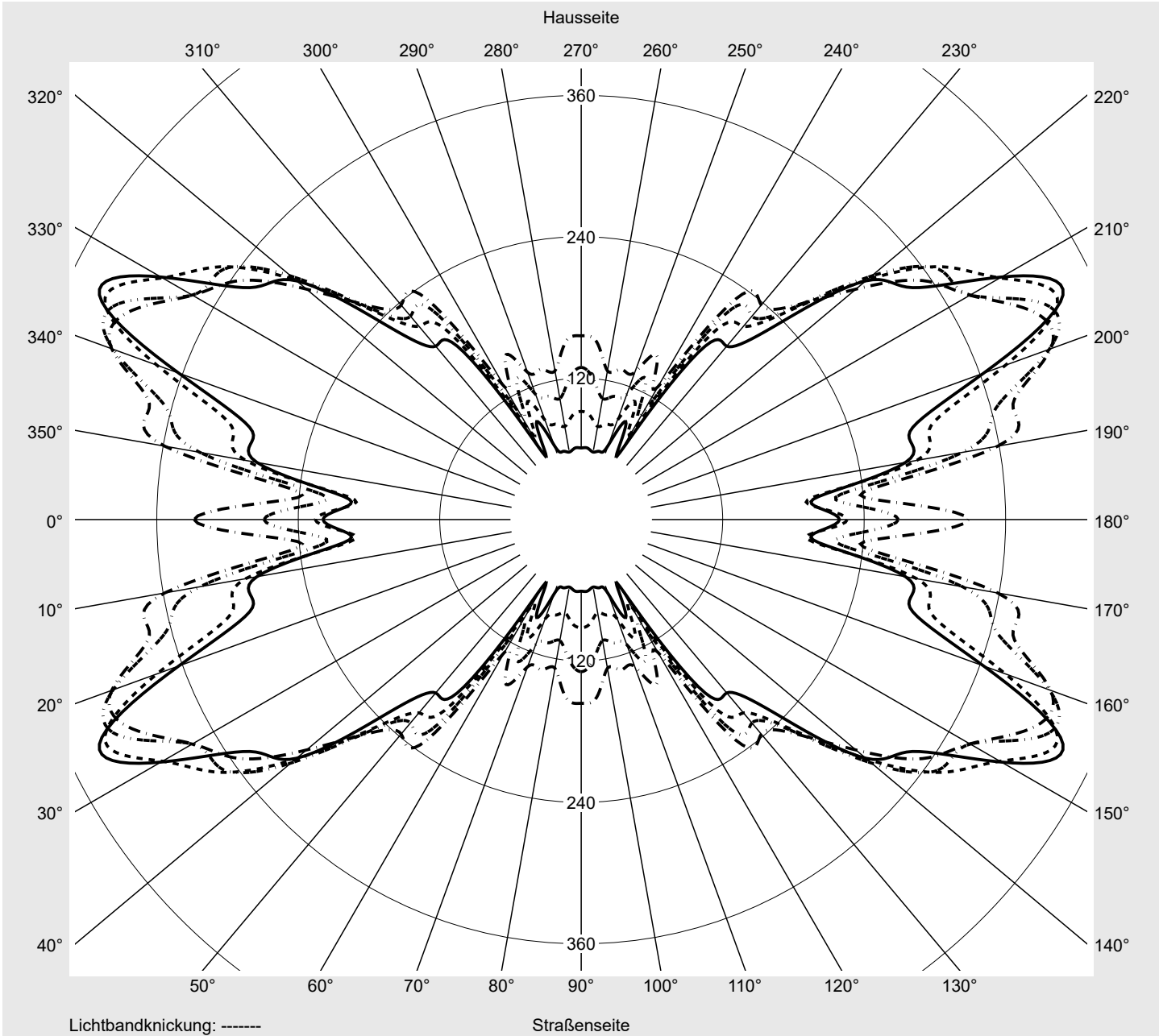
**Messbedingungen**

DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

<b>Familie</b> LATERNE CLASSIC LED	<b>Bestell-Nr.:</b> 5XA5243CB14H <b>EAN:</b> 4058352436424	<b>LP-Nummer</b> 57126_7
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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.: 5XA5243CB14H</b> <b>EAN: 4058352436424</b>	<b>LP-Nummer</b> <b>57126_7</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
2,5°	25.3	25.3	25.4	25.5	25.6	25.6	25.8	26.0	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
7,5°	52.1	51.0	48.4	46.1	44.1	43.1	43.0	43.1	43.4	42.5
10,0°	49.9	53.4	58.7	63.0	66.0	66.6	66.0	67.0	68.6	69.3
12,5°	100.2	87.8	94.1	91.5	95.4	92.1	90.2	87.4	90.2	89.5
15,0°	95.4	106.9	107.0	113.3	106.8	101.0	106.0	125.7	130.3	123.6
17,5°	152.5	145.0	118.0	141.4	142.5	143.8	132.7	136.3	141.3	139.6
20,0°	186.0	175.6	152.5	178.0	170.5	150.8	138.9	133.6	134.1	126.1
22,5°	210.4	213.7	170.0	190.6	184.5	164.7	148.9	139.8	133.3	118.0
25,0°	205.1	181.8	139.1	180.3	180.7	183.7	168.6	154.2	153.0	129.4
27,5°	181.9	167.1	135.8	179.1	176.3	177.6	170.8	153.5	163.7	138.3
30,0°	212.6	193.2	159.5	200.9	190.1	182.7	164.5	143.4	160.6	146.3
32,5°	232.5	195.5	158.3	189.0	181.5	166.0	140.6	95.7	115.2	104.7
35,0°	93.6	81.2	66.4	87.0	88.5	96.3	93.7	77.4	113.3	100.9
37,5°	69.2	67.4	71.7	83.8	100.9	113.3	118.6	116.0	133.2	120.8
40,0°	163.0	150.0	145.9	161.8	169.5	168.7	148.6	133.2	145.8	150.8
42,5°	250.2	202.2	205.7	221.8	206.2	185.2	172.9	171.0	179.2	191.7
45,0°	301.7	228.6	260.0	259.1	240.8	207.6	207.3	212.0	226.4	219.9
47,5°	329.0	244.4	322.3	301.2	274.7	231.4	239.7	236.9	251.4	238.9
50,0°	337.9	247.9	363.0	325.0	294.9	247.6	284.0	270.6	251.0	248.7
52,5°	341.5	236.8	362.0	341.6	320.6	293.0	319.7	308.6	252.1	254.2
55,0°	353.8	236.9	363.1	366.4	359.6	345.6	348.8	327.6	269.0	259.0
57,5°	358.8	240.2	365.8	379.3	398.9	391.0	373.0	338.4	285.7	263.0
60,0°	328.3	237.8	358.8	379.2	423.8	420.2	380.7	353.6	304.2	257.2
62,5°	269.1	216.6	328.6	363.9	422.6	433.3	381.0	370.3	321.5	254.1
65,0°	225.6	193.0	289.0	307.1	382.9	445.6	410.2	374.0	316.1	251.4
67,5°	219.0	197.5	279.4	288.7	363.3	450.9	411.6	343.1	315.1	232.5
70,0°	250.7	211.1	283.7	296.1	335.6	393.0	373.7	322.0	276.4	209.3
72,5°	263.9	215.3	264.3	285.5	329.2	362.0	351.2	283.1	215.3	171.2
75,0°	201.3	185.4	232.1	246.2	283.1	282.9	273.0	200.2	144.2	121.2
77,5°	159.6	136.8	153.1	163.5	177.5	165.7	156.5	110.0	94.8	84.9
80,0°	82.4	65.0	77.4	90.3	83.4	80.3	88.0	75.9	65.2	46.7
82,5°	46.0	41.3	41.9	55.4	44.3	39.4	50.0	56.7	45.5	30.8
85,0°	19.1	19.8	19.9	23.9	21.6	23.6	28.7	31.2	22.1	16.6
87,5°	13.2	13.4	13.7	15.5	15.4	15.9	17.2	15.9	13.9	11.5
90,0°	9.1	9.2	9.7	9.8	9.8	9.8	9.6	9.4	9.2	8.9
92,5°	9.1	9.1	9.4	9.7	9.7	9.4	9.3	9.0	9.0	8.9
95,0°	9.1	9.1	9.2	9.4	9.3	9.2	9.3	8.9	8.9	8.8
97,5°	8.7	9.0	9.0	8.9	9.0	9.0	8.9	8.9	8.7	8.4
100,0°	8.4	8.5	8.5	8.5	8.4	8.7	8.7	8.4	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
105,0°	7.3	7.3	7.4	7.5	7.5	7.3	7.5	7.2	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
110,0°	6.6	6.4	6.3	6.1	6.1	6.1	6.1	6.1	6.1	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°	26.2	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°
		Lichtstärke in cd/klm								
γ										
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°				
		Lichtstärke in cd/klm									Lichtstrom in lm/klm	
γ												
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>	Umgebungstemperatur: 25°C	<b>sITeco</b>
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Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	2450	25.4	27.3	26.4
95	241	2325	23.8	25.6	24.7
90	229	2209	22.5	24.2	23.4
85	216	2083	21.0	22.6	21.8
80	203	1958	19.7	21.1	20.4
75	190	1833	18.3	19.7	19.0
70	178	1717	17.1	18.3	17.7
65	165	1592	15.8	16.9	16.4
60	152	1466	14.5	15.6	15.0
55	140	1350	13.4	14.4	13.9
50	127	1225	12.3	13.1	12.7
45	114	1100	11.1	11.9	11.5
40	102	984	10.1	10.7	10.4
35	89	858	9.0	9.5	9.2
30	76	733	7.9	8.3	8.1
25	63	608	6.7	7.1	6.9
20	51	492	5.7	6.0	5.8
15	38	367	4.7	4.8	4.8
15	37	357	4.6	4.8	4.7