

Lichttechnischer Prüfbefund

Familie
LATERNE LED

Bestell-Nr.: **5XA5255RF14H**
EAN: **4058352833667**

LP-Nummer
57123_25



Ausführung	Mastaufsatz- oder Montage am Wandausleger
Optik	symmetrisch, breit strahlend (PL1.2s)
Abdeckung	Abdeckung klar, PMMA
Bestückung	LED 4000 K CRI ≥ 70
Betriebsgerät	EVG SITECO iQ
Bemessungswerte	Nettolichtstrom = 2970 lm Systemleistung = 18.5 W Lichtausbeute = 160.5 lm/W

Seriendokumentation
24.02.2023

siteco

Lichtstärke in cd/klm

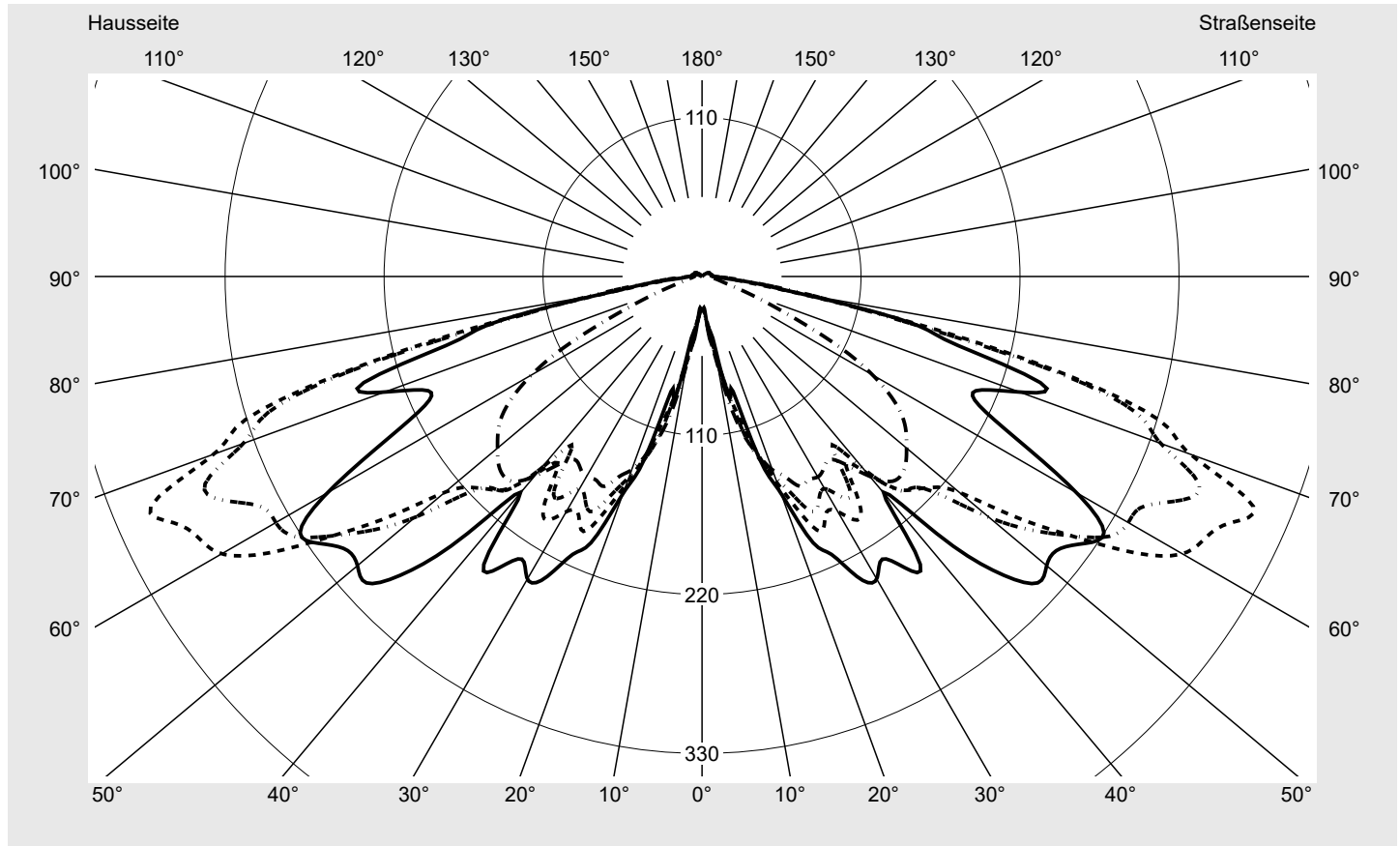
C180-0

C205-25

C210-30

C270-90

Imax: 412 cd/klm



Leuchtenbetriebswirkungsgrade

Eta	100.0%
Eta 0° - 90°	97.7%
Eta 90° - 180°	2.3%

Lichtstärkeklasse nach EN13201-2

Klasse:	G3
Imax 70°	359.4
Imax 80°	84.8
Imax 90°	8.1
Imax >90°	7.7
Imax >95°	7.3

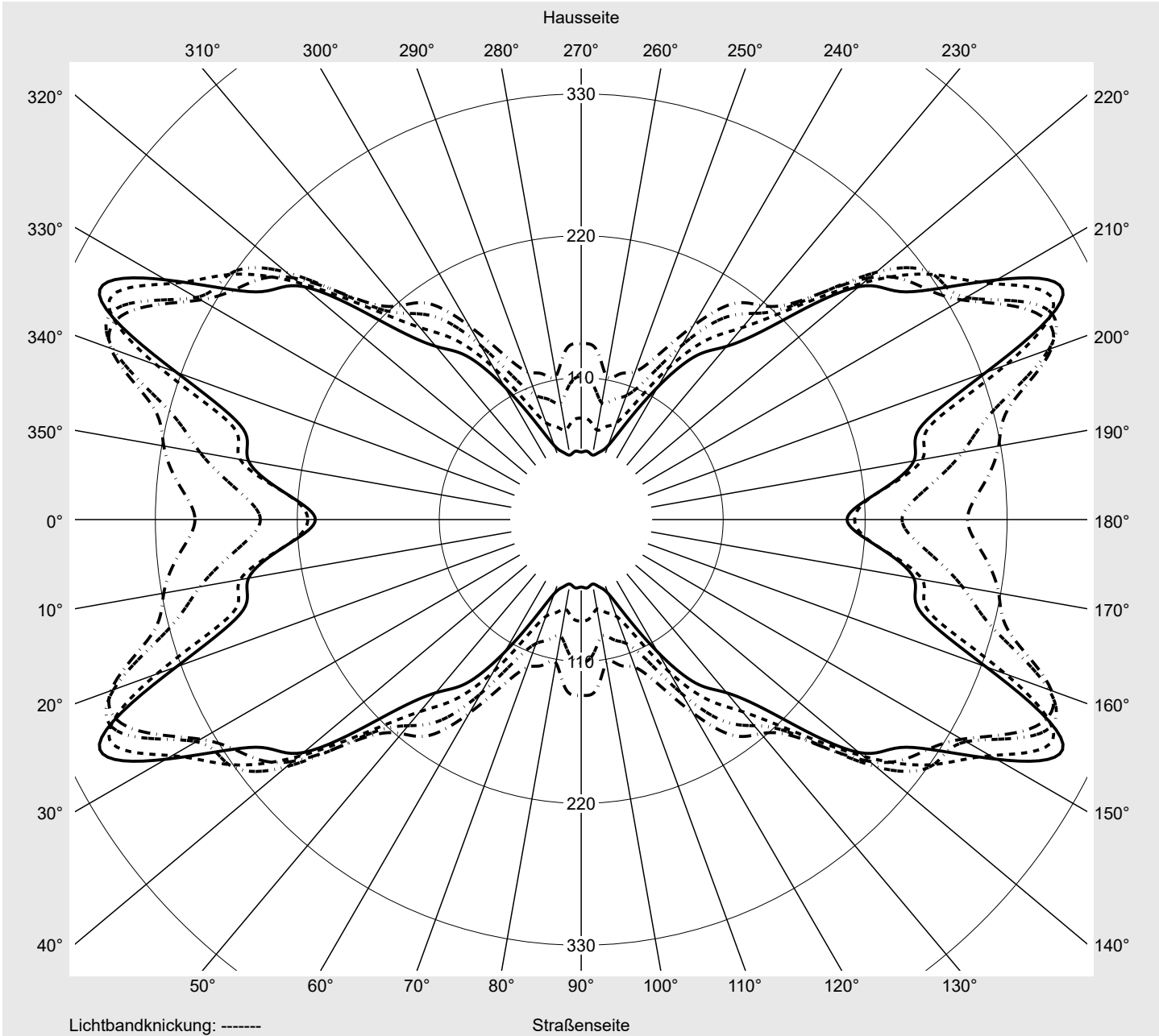
Messbedingungen

DIN EN 13032 und DIN 5032

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Familie LATERNE LED	Bestell-Nr.: 5XA5255RF14H EAN: 4058352833667	LP-Nummer 57123_25
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Kegelmantelkurven in cd/klm **KMK 67,5°** **KMK 65°** **KMK 62,5°** **KMK 60°** **siteco**



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Familie LATERNE LED	Bestell-Nr.: 5XA5255RF14H EAN: 4058352833667	LP-Nummer 57123_25
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
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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°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
2,5°	22.3	22.4	22.4	22.5	22.7	22.8	22.8	22.9	23.1	23.3	23.3
5,0°	26.2	26.3	26.6	27.0	27.6	28.3	29.1	29.3	29.2	28.8	28.8
7,5°	45.4	44.5	42.2	39.5	38.3	37.0	36.0	35.7	36.4	36.7	36.7
10,0°	44.4	46.4	49.6	55.4	57.8	59.4	56.9	56.8	60.0	61.7	61.7
12,5°	85.8	78.3	87.5	81.1	88.5	82.4	80.0	81.9	80.1	82.7	82.7
15,0°	81.5	94.7	111.1	98.0	97.9	103.3	113.0	120.5	115.1	111.0	111.0
17,5°	132.6	127.6	125.6	129.7	134.7	129.6	132.5	127.4	126.5	129.0	129.0
20,0°	159.6	167.7	161.0	165.0	175.5	152.2	147.7	139.7	133.6	130.8	130.8
22,5°	198.1	200.8	194.8	196.1	182.5	176.5	163.1	149.2	139.2	132.5	132.5
25,0°	212.3	211.4	203.6	204.0	195.3	194.6	179.5	167.3	149.5	137.6	137.6
27,5°	235.2	226.7	216.5	204.9	197.4	185.3	174.9	164.0	159.7	152.9	152.9
30,0°	241.7	235.8	229.9	212.6	201.8	187.9	169.5	160.2	164.7	165.6	165.6
32,5°	232.0	224.3	219.2	213.4	205.4	199.8	181.3	166.6	169.1	180.5	180.5
35,0°	246.8	244.3	223.7	211.2	201.5	188.8	177.0	166.2	163.6	167.0	167.0
37,5°	245.4	236.3	223.8	199.3	189.6	163.5	147.5	158.1	170.6	177.8	177.8
40,0°	195.3	182.5	182.4	181.5	180.8	177.8	173.7	179.2	188.9	195.4	195.4
42,5°	243.7	238.2	219.3	213.2	208.6	199.3	200.6	201.9	196.3	207.9	207.9
45,0°	290.0	294.0	275.9	254.2	238.8	208.2	206.6	218.4	219.5	218.0	218.0
47,5°	314.1	322.8	312.8	287.9	254.2	216.1	223.3	233.4	240.6	231.7	231.7
50,0°	311.3	327.0	341.1	302.7	270.6	232.3	259.2	262.8	250.8	241.5	241.5
52,5°	310.4	326.0	333.8	313.8	294.2	273.3	288.5	289.4	262.4	242.9	242.9
55,0°	322.2	335.3	331.1	336.2	328.1	313.5	313.0	299.7	272.9	244.6	244.6
57,5°	329.7	342.2	335.8	347.3	365.2	356.2	334.5	304.7	279.7	245.3	245.3
60,0°	299.3	313.0	328.5	344.7	387.8	383.7	340.6	317.5	291.6	239.8	239.8
62,5°	248.6	267.9	300.0	332.0	385.7	392.4	344.4	332.2	298.2	236.6	236.6
65,0°	211.9	229.3	268.4	279.6	350.0	403.3	366.1	331.3	285.5	231.9	231.9
67,5°	206.0	229.2	261.8	271.2	333.8	411.9	371.6	307.7	280.9	215.5	215.5
70,0°	233.8	249.6	267.9	277.1	307.5	359.4	337.6	289.7	245.5	194.4	194.4
72,5°	246.6	248.3	247.9	269.1	303.7	332.7	316.0	255.0	194.3	157.8	157.8
75,0°	181.5	194.1	215.2	225.7	256.8	257.6	250.4	183.7	128.1	107.7	107.7
77,5°	147.4	142.9	141.5	155.3	164.2	154.3	141.1	102.7	86.8	75.9	75.9
80,0°	72.2	64.8	70.5	84.8	74.9	70.1	81.3	71.4	59.3	42.9	42.9
82,5°	40.1	38.0	39.3	49.9	37.7	33.4	43.6	50.0	38.9	26.2	26.2
85,0°	17.2	17.4	18.0	20.6	18.0	20.2	25.8	28.5	17.0	14.5	14.5
87,5°	11.8	11.8	12.2	12.9	13.0	13.4	14.6	13.3	12.0	9.4	9.4
90,0°	8.1	8.0	7.9	8.0	7.8	7.7	7.6	7.5	7.3	7.1	7.1
92,5°	7.7	7.7	7.6	7.5	7.5	7.3	7.2	7.1	6.9	6.9	6.9
95,0°	7.3	7.3	7.4	7.4	7.2	7.2	7.0	6.9	6.8	6.7	6.7
97,5°	7.1	7.3	7.1	7.1	7.0	6.8	6.7	6.7	6.6	6.5	6.5
100,0°	6.9	6.9	6.7	6.7	6.7	6.6	6.4	6.3	6.4	6.2	6.2
102,5°	6.5	6.5	6.4	6.3	6.3	6.2	6.0	6.0	6.0	5.9	5.9
105,0°	6.1	6.1	6.1	5.9	5.9	5.9	5.9	5.7	5.7	5.6	5.6
107,5°	5.9	5.9	5.9	5.9	5.8	5.8	5.5	5.5	5.5	5.5	5.5
110,0°	5.7	5.8	5.8	5.7	5.7	5.5	5.5	5.5	5.5	5.5	5.5

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Wertetabelle Lichtstärkemessung										Maximale Lichtstärke	
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°			
	310°	305°	300°	295°	290°	285°	280°	275°			
γ	Lichtstärke in cd/klm									Lichtstrom in lm/klm	
0,0°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	0.0	0.0
2,5°	23.4	23.4	23.3	23.3	23.6	23.5	23.5	23.4	23.5	0.3	0.3
5,0°	28.6	28.7	28.9	29.9	29.9	29.4	29.5	29.6	29.6	0.7	1.0
7,5°	36.8	38.0	39.2	41.7	42.8	41.8	41.7	42.9	42.8	1.4	2.4
10,0°	61.4	60.0	60.5	59.3	58.6	61.2	61.2	62.0	62.7	2.8	5.2
12,5°	78.6	75.2	73.5	73.2	76.5	81.1	84.8	92.4	93.1	4.8	10.0
15,0°	107.8	111.6	106.3	99.3	98.3	100.4	107.0	111.4	115.2	7.5	17.5
17,5°	125.7	122.1	120.1	117.9	119.3	122.7	128.8	129.6	129.8	10.4	28.0
20,0°	132.7	134.8	131.9	130.7	126.5	125.0	133.3	138.1	142.3	13.4	41.4
22,5°	135.1	139.0	140.2	140.0	136.4	131.4	144.5	148.8	149.9	16.5	57.8
25,0°	137.2	143.9	148.5	151.5	150.1	140.3	150.8	160.0	160.2	19.4	77.2
27,5°	147.5	150.9	158.7	161.3	161.8	145.4	148.4	159.6	158.8	21.9	99.1
30,0°	163.9	159.8	162.9	167.8	164.0	146.9	143.0	159.0	160.2	24.3	123.5
32,5°	186.5	177.3	169.5	171.4	167.1	151.1	139.9	156.7	156.9	26.8	150.2
35,0°	177.4	181.3	175.3	175.8	175.5	158.7	144.2	155.5	154.5	28.7	179.0
37,5°	184.7	195.3	192.5	185.8	181.6	162.8	146.9	163.8	164.5	30.5	209.4
40,0°	194.3	203.1	204.6	192.0	186.0	169.5	156.1	178.2	180.5	32.4	241.9
42,5°	210.8	207.3	208.0	199.0	189.4	182.0	162.0	191.4	192.4	37.6	279.4
45,0°	222.8	216.5	213.0	208.4	193.1	188.9	166.1	193.9	194.7	42.8	322.3
47,5°	231.8	228.2	219.1	209.8	191.3	187.4	164.1	190.3	191.2	47.1	369.4
50,0°	242.5	234.5	217.7	202.8	183.1	180.7	159.9	183.9	184.7	50.6	420.1
52,5°	244.5	235.6	213.2	189.1	170.0	170.0	154.5	177.0	178.0	53.4	473.5
55,0°	240.5	231.2	202.7	173.9	155.9	157.0	144.9	167.1	169.3	56.1	529.6
57,5°	233.1	222.2	191.4	158.0	140.0	139.8	131.0	151.9	155.5	58.1	587.6
60,0°	216.7	204.1	173.2	140.5	122.0	117.0	112.8	132.6	136.3	57.8	645.4
62,5°	208.7	190.1	155.8	120.1	102.3	96.3	91.9	104.9	111.1	55.9	701.4
65,0°	194.4	170.1	136.3	100.0	79.9	74.6	70.5	76.8	78.7	52.4	753.7
67,5°	175.3	154.8	118.7	82.6	61.0	54.0	50.8	53.1	52.3	50.1	803.9
70,0°	157.9	135.4	96.9	67.6	46.9	34.1	33.2	33.4	34.3	46.8	850.6
72,5°	127.3	110.1	79.6	52.5	37.8	24.4	21.9	21.0	21.7	42.6	893.2
75,0°	102.8	95.5	69.0	40.0	23.3	18.6	16.3	15.2	15.2	33.8	927.0
77,5°	77.0	79.2	58.3	29.9	16.3	14.0	12.8	12.0	12.0	23.0	950.0
80,0°	35.0	38.6	26.9	13.2	11.0	10.3	9.9	9.4	9.5	12.2	962.2
82,5°	18.8	13.8	11.0	9.4	8.6	8.1	7.7	7.6	7.5	7.0	969.3
85,0°	10.0	9.4	8.6	7.9	7.3	7.2	6.9	6.5	6.5	3.9	973.1
87,5°	8.4	8.0	7.4	7.0	6.6	6.4	6.2	6.1	5.9	2.7	975.8
90,0°	6.9	6.8	6.5	6.5	6.1	5.9	5.7	5.7	5.3	1.9	977.8
92,5°	6.7	6.7	6.5	6.4	6.0	6.0	5.7	5.7	5.3	1.9	979.6
95,0°	6.5	6.5	6.4	6.1	5.9	5.8	5.7	5.5	5.3	1.8	981.4
97,5°	6.4	6.3	6.1	6.1	5.9	5.7	5.7	5.3	5.3	1.7	983.1
100,0°	6.1	6.1	6.1	5.7	5.5	5.5	5.4	5.3	5.1	1.7	984.8
102,5°	5.7	5.7	5.7	5.5	5.3	5.2	5.1	4.9	4.7	1.5	986.3
105,0°	5.5	5.5	5.4	5.3	5.1	5.1	4.9	4.7	4.5	1.5	987.8
107,5°	5.5	5.3	5.2	5.1	5.1	5.1	4.9	4.6	4.3	1.4	989.2
110,0°	5.3	5.2	5.1	5.1	5.1	5.0	4.7	4.6	3.9	1.4	990.6

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
siteco		

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	5.7	5.7	5.7	5.5	5.5	5.5	5.5	5.3	5.1
115,0°	5.7	5.7	5.7	5.6	5.5	5.5	5.4	5.3	5.2	5.1
117,5°	5.7	5.7	5.3	5.4	5.3	5.3	5.2	5.1	5.1	5.1
120,0°	5.3	5.3	5.3	5.3	5.2	5.1	4.9	4.9	4.9	4.8
122,5°	4.9	4.9	4.9	4.9	4.8	4.7	4.6	4.5	4.5	4.5
125,0°	4.1	4.1	4.1	4.1	4.0	3.9	3.8	3.7	3.7	3.7
127,5°	3.2	3.0	3.0	3.0	2.8	2.8	2.8	2.8	2.8	2.8
130,0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
132,5°	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.1	2.0	2.0
135,0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
137,5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
140,0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142,5°	1.4	1.0	1.2	1.0	0.9	1.1	1.0	1.1	1.0	0.9
145,0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147,5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	5.1	5.1	5.1	5.0	4.9	4.8	4.7	4.2	2.8	1.3	991.9	
115,0°	5.1	5.1	5.0	4.9	4.8	4.7	4.7	3.8	2.0	1.2	993.1	
117,5°	5.0	4.9	4.9	4.9	4.7	4.7	4.7	3.5	2.0	1.2	994.3	
120,0°	4.8	4.7	4.7	4.5	4.5	4.5	4.5	3.1	1.8	1.1	995.4	
122,5°	4.5	4.5	4.4	4.3	4.1	4.1	4.0	2.8	1.6	1.0	996.4	
125,0°	3.7	3.7	3.7	3.7	3.4	3.4	3.2	2.4	1.6	0.8	997.2	
127,5°	2.8	2.8	2.8	2.8	2.8	2.6	2.4	1.8	1.6	0.6	997.8	
130,0°	2.4	2.4	2.3	2.1	2.1	2.0	2.0	1.6	1.2	0.5	998.3	
132,5°	2.0	2.0	2.0	2.0	2.0	2.0	1.6	1.5	1.2	0.4	998.7	
135,0°	1.8	1.8	1.7	1.7	1.6	1.6	1.6	1.2	1.2	0.4	999.1	
137,5°	1.6	1.6	1.6	1.6	1.6	1.5	1.2	1.2	1.0	0.3	999.3	
140,0°	1.2	1.2	1.2	1.2	1.2	1.2	1.1	0.8	0.8	0.2	999.5	
142,5°	0.9	1.0	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.2	999.7	
145,0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.1	999.8	
147,5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	siteco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	2970	18.5	19.7	19.1
95	241	252	2818	17.5	18.6	18.0
90	229	250	2678	16.6	17.6	17.1
85	216	248	2526	15.6	16.6	16.1
80	203	246	2374	14.7	15.6	15.2
75	190	243	2222	13.7	14.6	14.2
70	178	241	2081	12.8	13.6	13.2
65	165	238	1929	11.9	12.6	12.2
60	152	235	1777	11.0	11.6	11.3
55	140	232	1637	10.1	10.8	10.4
50	127	229	1485	9.3	9.8	9.6
45	114	225	1333	8.4	8.9	8.6
40	102	221	1193	7.7	8.1	7.9
35	89	216	1041	6.8	7.2	7.0
30	76	210	889	6.0	6.3	6.2
25	63	203	737	5.2	5.5	5.4
20	51	195	596	4.5	4.7	4.6
18	46	191	538	4.1	4.3	4.2