

Lichttechnischer Prüfbefund

Familie
PILZLEUCHE LED

Bestell-Nr.: 5XA5235OF14H
EAN: 4058352833339

LP-Nummer
57120_32



Ausführung	Mastaufsatz- oder Montage am Wandausleger
Optik	symmetrisch, breit strahlend (PL1.2s)
Abdeckung	Abdeckung klar, PMMA
Bestückung	LED 2700 K CRI ≥ 70
Betriebsgerät	EVG SITECO iQ
Bemessungswerte	Nettolichtstrom = 3000 lm Systemleistung = 21.8 W Lichtausbeute = 137.6 lm/W

Seriendokumentation
24.02.2023

siteco

Lichtstärke in cd/klm

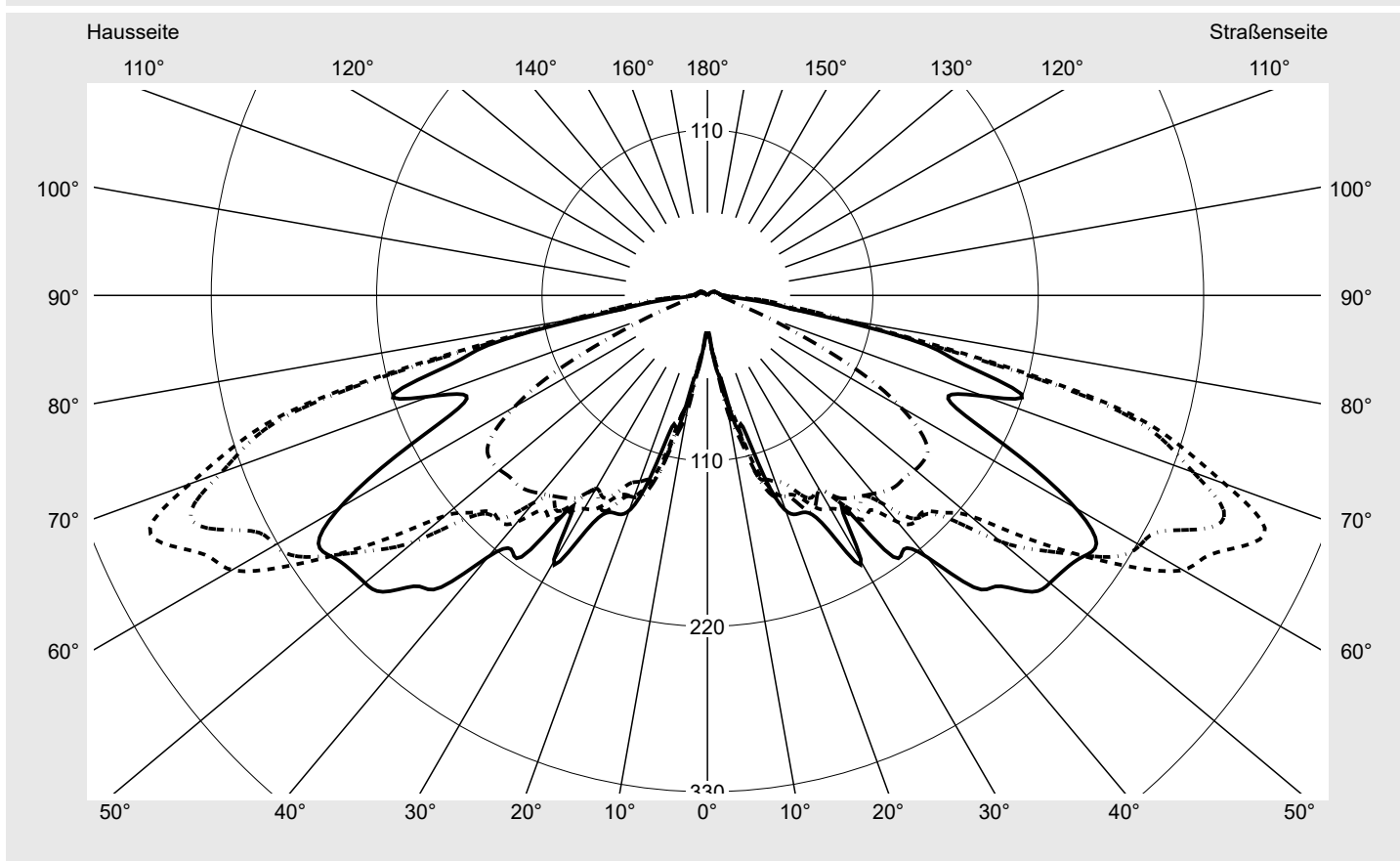
C180-0

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

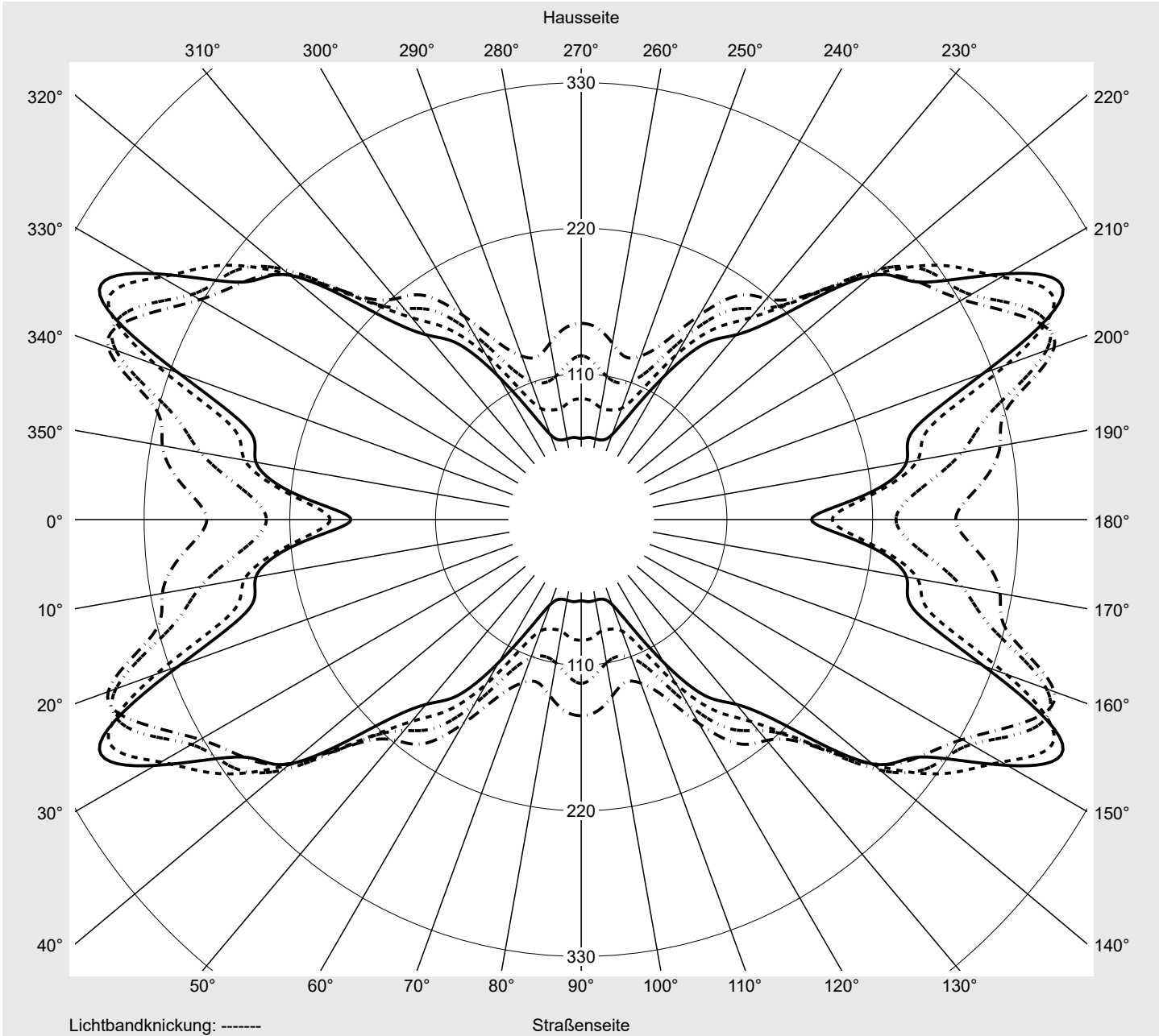
Messbedingungen

DIN EN 13032 und DIN 5032

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



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Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	siteco
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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°
		Lichtstärke in cd/klm								
γ										
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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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

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°			
γ	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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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	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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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	3000	21.8	23.2	22.5
95	241	252	2846	20.6	21.9	21.2
90	229	250	2705	19.4	20.7	20.0
85	216	248	2551	18.3	19.4	18.8
80	203	246	2398	17.1	18.2	17.6
75	190	243	2244	15.9	16.9	16.4
70	178	241	2102	14.9	15.8	15.4
65	165	238	1949	13.8	14.7	14.2
60	152	235	1795	12.7	13.5	13.1
55	140	232	1654	11.7	12.4	12.0
50	127	229	1500	10.7	11.3	11.0
45	114	225	1346	9.6	10.1	9.8
40	102	221	1205	8.7	9.2	9.0
35	89	216	1051	7.7	8.1	7.9
30	76	210	898	6.8	7.1	7.0
25	63	203	744	5.8	6.1	5.9
20	51	195	602	5.0	5.2	5.1
15	39	185	461	4.0	4.3	4.2