

Lichttechnischer Prüfbefund

Familie
PILZLEUCHTE LED

Bestell-Nr.: **5XA5235JF14H**
EAN: **4058352635797**

LP-Nummer
57120_28



Ausführung Mastaufsatz- oder Montage am Wandausleger
Optik direkt, symmetrisch breit strahlend
C120005
Abdeckung Abdeckung klar, PMMA
Bestückung LED 3000 K | CRI \geq 70
Betriebsgerät EVG SITECO iQ
Bemessungswerte Nettolichtstrom = 3000 lm
Systemleistung = 19.3 W
Lichtausbeute = 155.4 lm/W

Seriendokumentation
24.02.2023

siteco

Lichtstärke in cd/klm

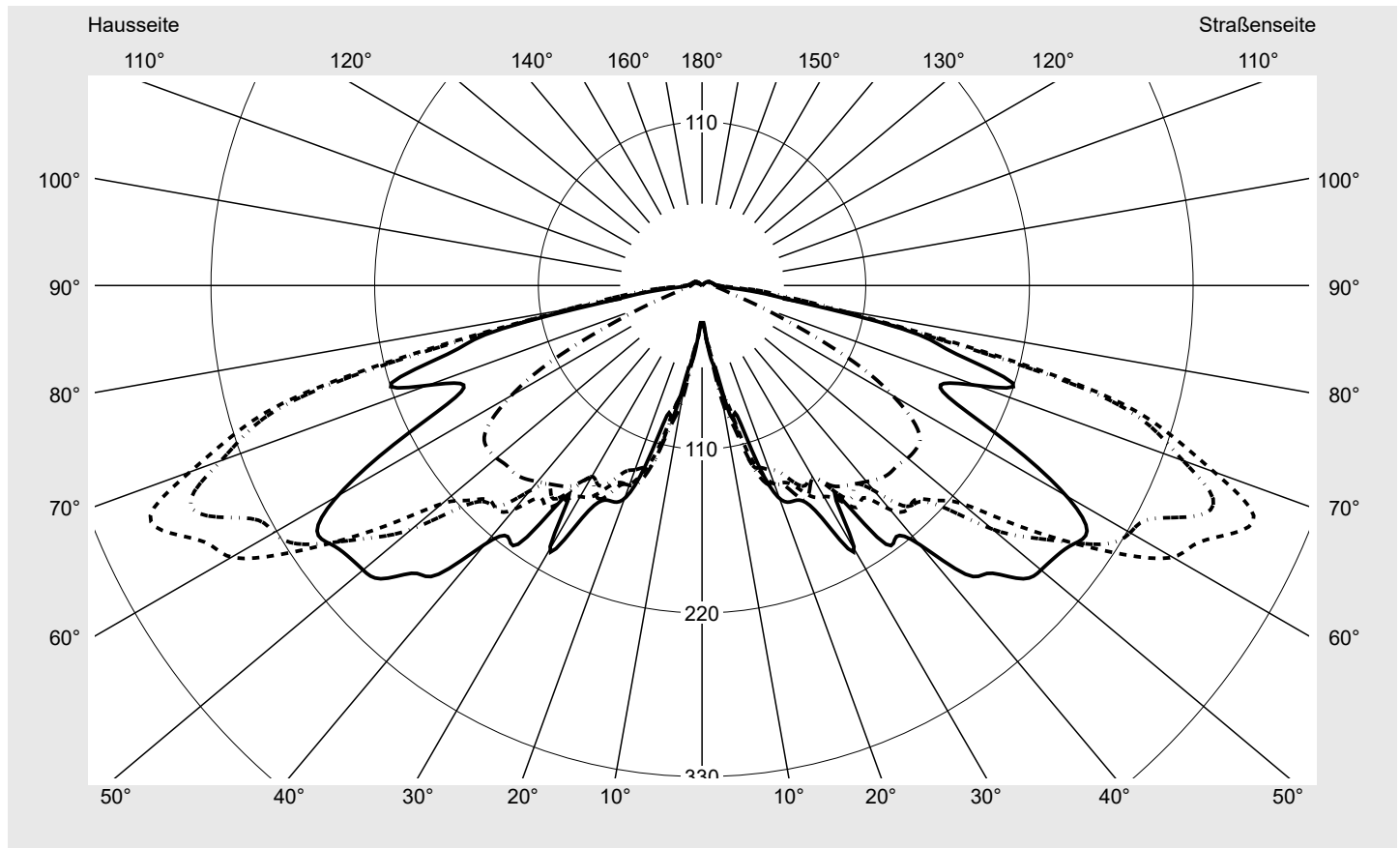
C180-0

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

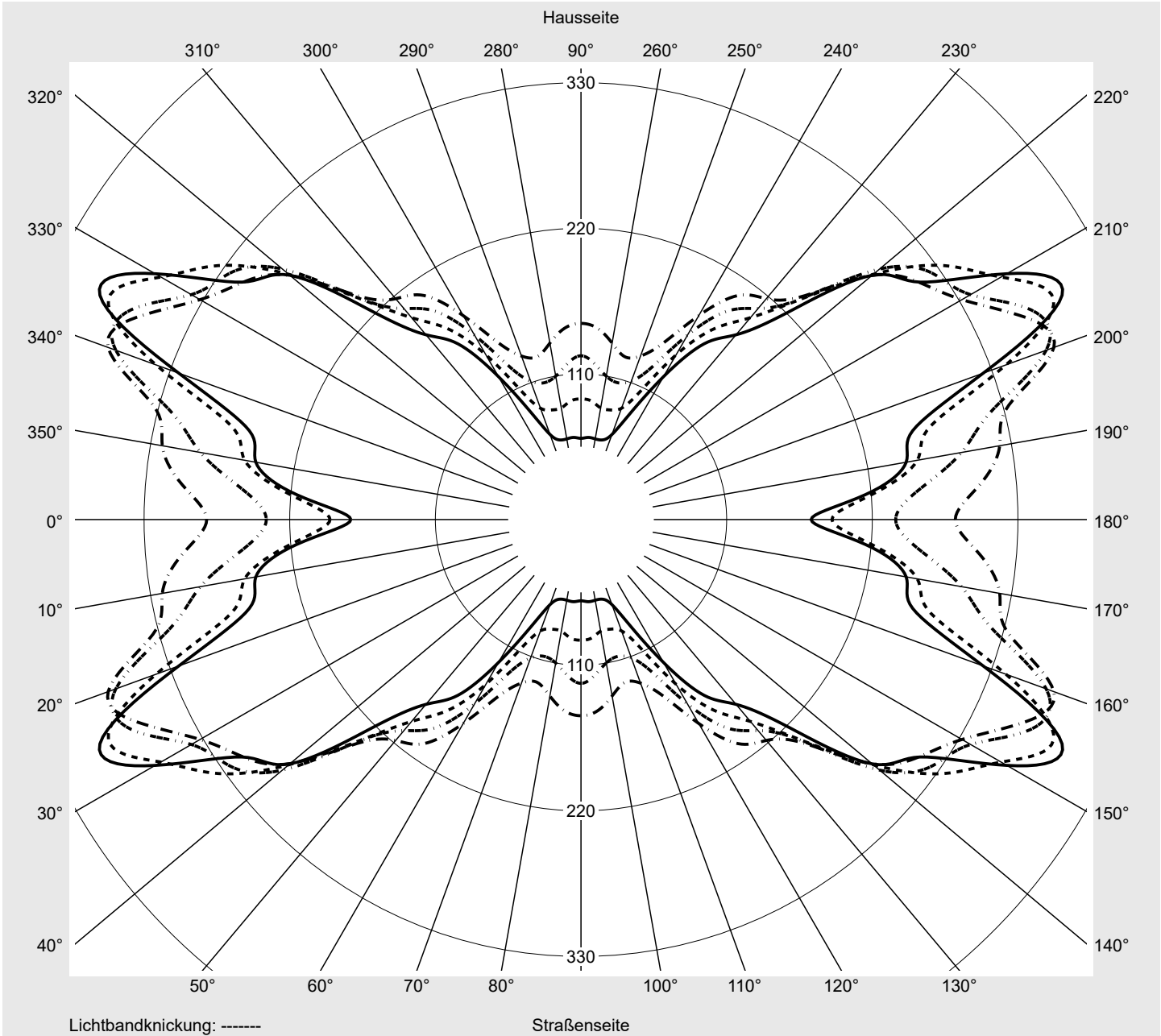
Messbedingungen

DIN EN 13032 und DIN 5032

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Familie PILZLEUCHTE LED	Bestell-Nr.: 5XA5235JF14H EAN: 4058352635797	LP-Nummer 57120_28
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Kegelmantelkurven in cd/klm **KMK 67,5°** **KMK 65°** **KMK 62,5°** **KMK 60°** **siteco**



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Familie PILZLEUCHTE LED	Bestell-Nr.: 5XA5235JF14H EAN: 4058352635797	LP-Nummer 57120_28
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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°	
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	26.9
2,5°	25.3	25.6	25.8	26.2	26.0	26.9	27.3	27.9	27.7	27.3	27.3
5,0°	37.9	38.2	38.8	38.6	38.4	37.9	37.7	38.1	38.5	39.5	39.5
7,5°	51.8	52.3	51.0	52.1	51.5	48.7	46.8	47.4	49.0	51.3	51.3
10,0°	62.2	62.3	63.7	66.4	69.8	70.7	71.1	72.3	71.6	70.4	70.4
12,5°	90.5	92.6	93.4	89.7	87.2	83.2	84.2	84.5	90.4	89.8	89.8
15,0°	89.9	101.2	103.2	104.3	102.5	112.4	120.5	115.8	118.4	112.5	112.5
17,5°	127.6	123.7	127.0	134.8	131.7	131.9	128.3	131.6	129.4	126.6	126.6
20,0°	152.3	150.9	149.7	151.7	149.4	141.9	131.8	124.5	123.8	118.1	118.1
22,5°	157.1	159.1	165.3	157.6	153.3	143.3	135.4	132.5	123.5	117.1	117.1
25,0°	159.6	152.0	158.6	149.9	152.2	149.3	145.8	138.6	124.4	115.9	115.9
27,5°	178.8	161.8	157.1	153.6	155.0	159.9	151.1	153.9	145.0	134.0	134.0
30,0°	204.8	179.3	197.8	179.9	169.4	163.8	148.3	140.2	142.5	147.0	147.0
32,5°	165.9	178.7	174.4	172.2	171.4	170.9	162.7	151.6	157.3	167.3	167.3
35,0°	208.5	216.0	210.4	200.0	189.3	181.9	174.8	164.6	163.3	167.0	167.0
37,5°	213.6	228.3	227.6	211.3	197.8	179.6	168.8	175.4	184.3	181.1	181.1
40,0°	226.9	244.3	235.1	220.1	211.0	196.5	180.1	184.7	195.4	201.2	201.2
42,5°	263.7	257.2	241.8	224.5	218.5	204.2	201.0	202.5	202.3	213.0	213.0
45,0°	273.3	272.5	263.5	241.7	228.7	203.3	205.7	220.2	223.9	220.2	220.2
47,5°	291.7	278.8	285.2	269.3	241.6	213.8	221.0	234.9	240.5	232.4	232.4
50,0°	297.4	298.3	308.8	291.1	266.5	227.9	254.7	255.7	245.8	234.4	234.4
52,5°	299.4	301.4	302.0	303.9	288.6	262.6	278.2	278.6	253.3	235.0	235.0
55,0°	303.7	321.4	318.2	320.1	319.5	300.0	300.6	291.2	265.1	239.5	239.5
57,5°	306.8	324.5	322.7	332.5	354.6	336.5	323.0	298.1	275.3	240.9	240.9
60,0°	282.7	302.4	321.1	334.7	380.0	365.2	332.2	312.2	286.8	239.2	239.2
62,5°	237.7	256.0	291.9	322.4	373.9	374.9	339.8	324.2	294.4	236.4	236.4
65,0°	189.6	221.3	257.9	273.5	341.5	393.8	366.4	334.5	288.2	235.8	235.8
67,5°	173.9	215.5	249.4	259.4	323.3	400.9	371.4	312.7	287.1	221.8	221.8
70,0°	196.1	224.3	258.1	273.0	300.6	366.2	344.0	295.3	256.8	203.8	203.8
72,5°	219.3	229.0	241.0	253.7	292.9	327.7	316.6	262.8	205.3	169.2	169.2
75,0°	175.7	183.5	207.7	221.0	264.4	272.0	262.5	196.3	145.4	124.9	124.9
77,5°	144.3	133.9	140.2	155.5	169.5	163.4	152.2	115.3	98.5	91.1	91.1
80,0°	74.0	69.8	74.4	92.9	86.6	85.0	91.9	83.7	74.9	58.4	58.4
82,5°	43.2	40.8	43.5	58.4	48.2	45.5	56.7	64.9	56.7	42.4	42.4
85,0°	20.8	21.1	22.9	28.4	27.5	30.8	37.8	41.7	33.1	27.9	27.9
87,5°	11.2	11.4	12.0	13.5	15.5	16.5	16.6	18.0	19.3	17.8	17.8
90,0°	10.0	10.2	10.5	11.2	11.4	11.7	11.9	11.8	11.2	10.8	10.8
92,5°	8.8	9.0	9.1	9.1	9.0	9.0	9.0	8.9	8.7	8.6	8.6
95,0°	8.6	8.6	8.7	8.5	8.4	8.3	8.2	7.9	7.9	7.7	7.7
97,5°	7.9	8.2	8.3	8.1	7.9	7.9	7.8	7.6	7.5	7.4	7.4
100,0°	7.5	7.7	7.8	7.8	7.7	7.5	7.5	7.3	7.1	7.0	7.0
102,5°	7.1	7.4	7.4	7.4	7.3	7.1	7.1	7.0	6.8	6.6	6.6
105,0°	6.9	7.0	7.1	7.0	7.0	6.7	6.7	6.7	6.6	6.4	6.4
107,5°	6.5	6.6	6.8	6.6	6.6	6.6	6.5	6.3	6.2	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	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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		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°
γ		Lichtstärke in cd/klm								
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°				
γ		Lichtstärke in cd/klm									Lichtstrom in lm/klm	
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	19.3	20.6	20.0
95	241	252	2846	18.3	19.4	18.8
90	229	250	2705	17.3	18.4	17.8
85	216	248	2551	16.3	17.3	16.8
80	203	246	2398	15.2	16.2	15.7
75	190	243	2244	14.2	15.1	14.6
70	178	241	2102	13.3	14.1	13.7
65	165	238	1949	12.4	13.2	12.8
60	152	235	1795	11.4	12.1	11.8
55	140	232	1654	10.5	11.2	10.8
50	127	229	1500	9.6	10.1	9.8
45	114	225	1346	8.7	9.2	9.0
40	102	221	1205	7.9	8.3	8.1
35	89	216	1051	7.1	7.4	7.2
30	76	210	898	6.2	6.5	6.4
25	63	203	744	5.4	5.6	5.5
20	51	195	602	4.6	4.8	4.7
17	44	190	520	4.1	4.3	4.2