

Lichttechnischer Prüfbefund

Familie
LATERNE LED

Bestell-Nr.: 5XA5255OF14H
EAN: 4058352833643

LP-Nummer
57123_28



Ausführung	Mastaufsatz- oder Montage am Wandausleger
Optik	direkt, symmetrisch breit strahlend C120006
Abdeckung	Abdeckung klar, PMMA
Bestückung	LED 2700 K CRI ≥ 70
Betriebsgerät	EVG SITECO iQ
Bemessungswerte	Nettolichtstrom = 2970 lm Systemleistung = 21.8 W Lichtausbeute = 136.2 lm/W

Seriendokumentation
24.02.2023

siteco

Lichtstärke in cd/klm

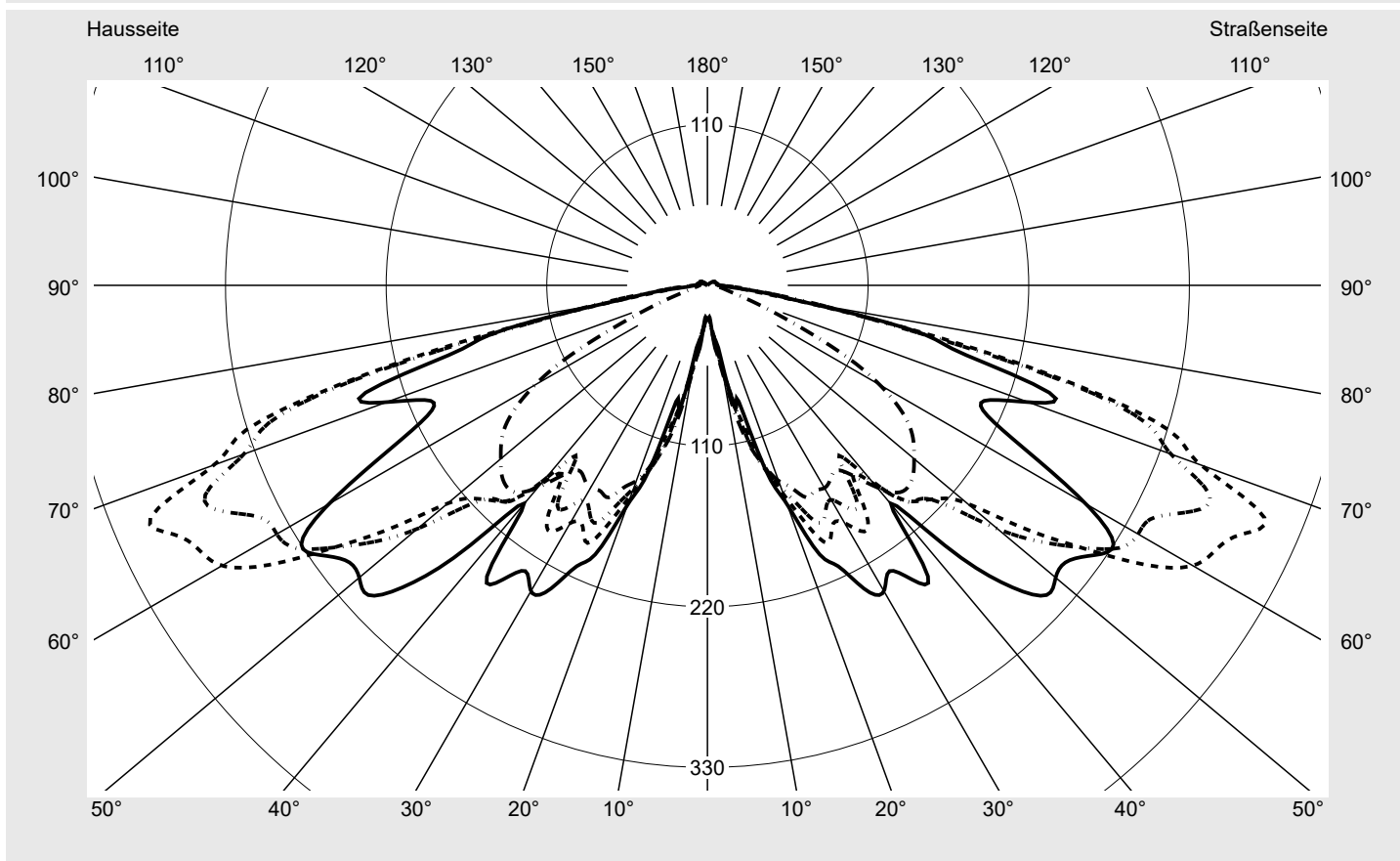
C180-0

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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Kegelmantelkurven in cd/klm

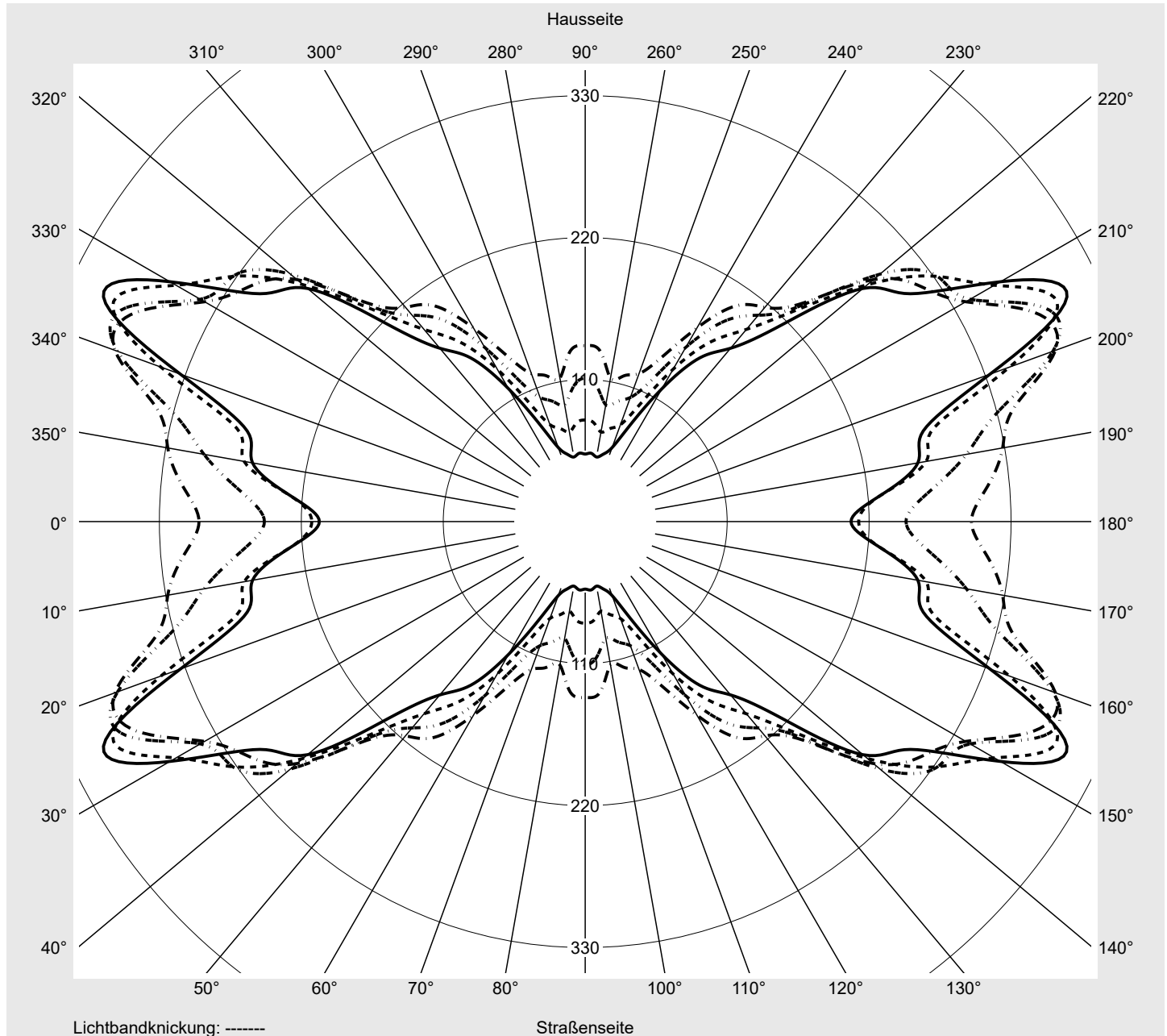
KMK 67,5°

KMK 65°

KMK 62,5°

KMK 60°

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Familie LATERNE LED	Bestell-Nr.: 5XA5255OF14H EAN: 4058352833643	LP-Nummer 57123_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°	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° 130° 230° 310°	55° 125° 235° 305°	60° 120° 240° 300°	65° 115° 245° 295°	70° 110° 250° 290°	75° 105° 255° 285°	80° 100° 260° 280°	85° 95° 265° 275°	90° 270°	Phi-Zone	Summe Phi-Zone
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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Familie LATERNE LED	Bestell-Nr.: 5XA5255OF14H EAN: 4058352833643	LP-Nummer 57123_28
Dimmstufen-Tabelle		Umgebungstemperatur: 25°C
siteco		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	2970	21.8	23.2	22.5
95	241	252	2818	20.6	21.9	21.2
90	229	250	2678	19.4	20.7	20.0
85	216	248	2526	18.3	19.4	18.8
80	203	246	2374	17.1	18.2	17.6
75	190	243	2222	15.9	16.9	16.4
70	178	241	2081	14.9	15.8	15.4
65	165	238	1929	13.8	14.7	14.2
60	152	235	1777	12.7	13.5	13.1
55	140	232	1637	11.7	12.4	12.0
50	127	229	1485	10.7	11.3	11.0
45	114	225	1333	9.6	10.1	9.8
40	102	221	1193	8.7	9.2	9.0
35	89	216	1041	7.7	8.1	7.9
30	76	210	889	6.8	7.1	7.0
25	63	203	737	5.8	6.1	5.9
20	51	195	596	5.0	5.2	5.1
15	39	185	456	4.0	4.3	4.2