

Lichttechnischer Prüfbefund

Familie
LATERNE CLASSIC LED

Bestell-Nr.: 5XA5245OF14H
EAN: 4058352834718

LP-Nummer
57126_28



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 = 2670 lm Systemleistung = 21.8 W Lichtausbeute = 122.5 lm/W

Seriendokumentation
24.02.2023

siteco

Lichtstärke in cd/klm

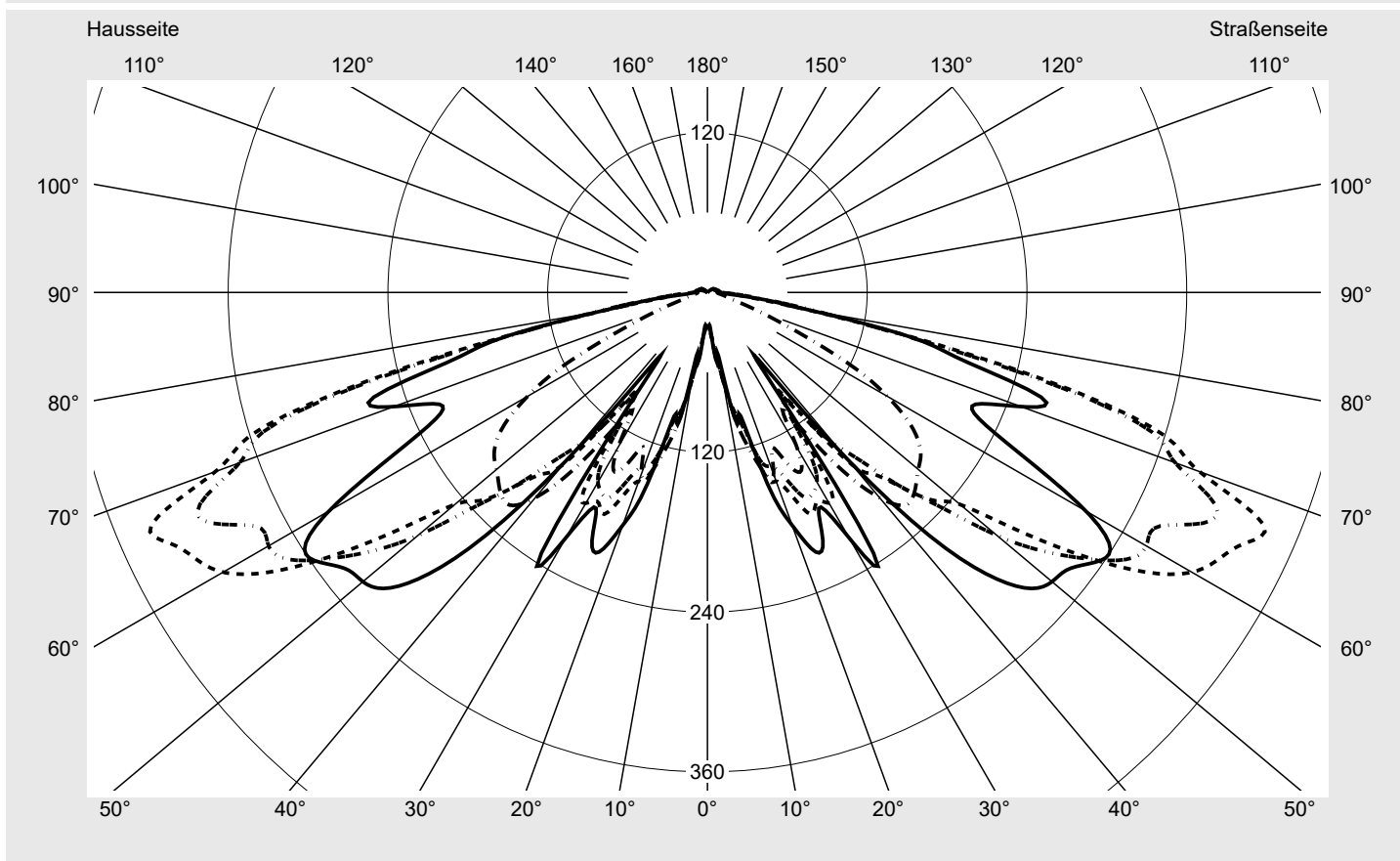
C180-0

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

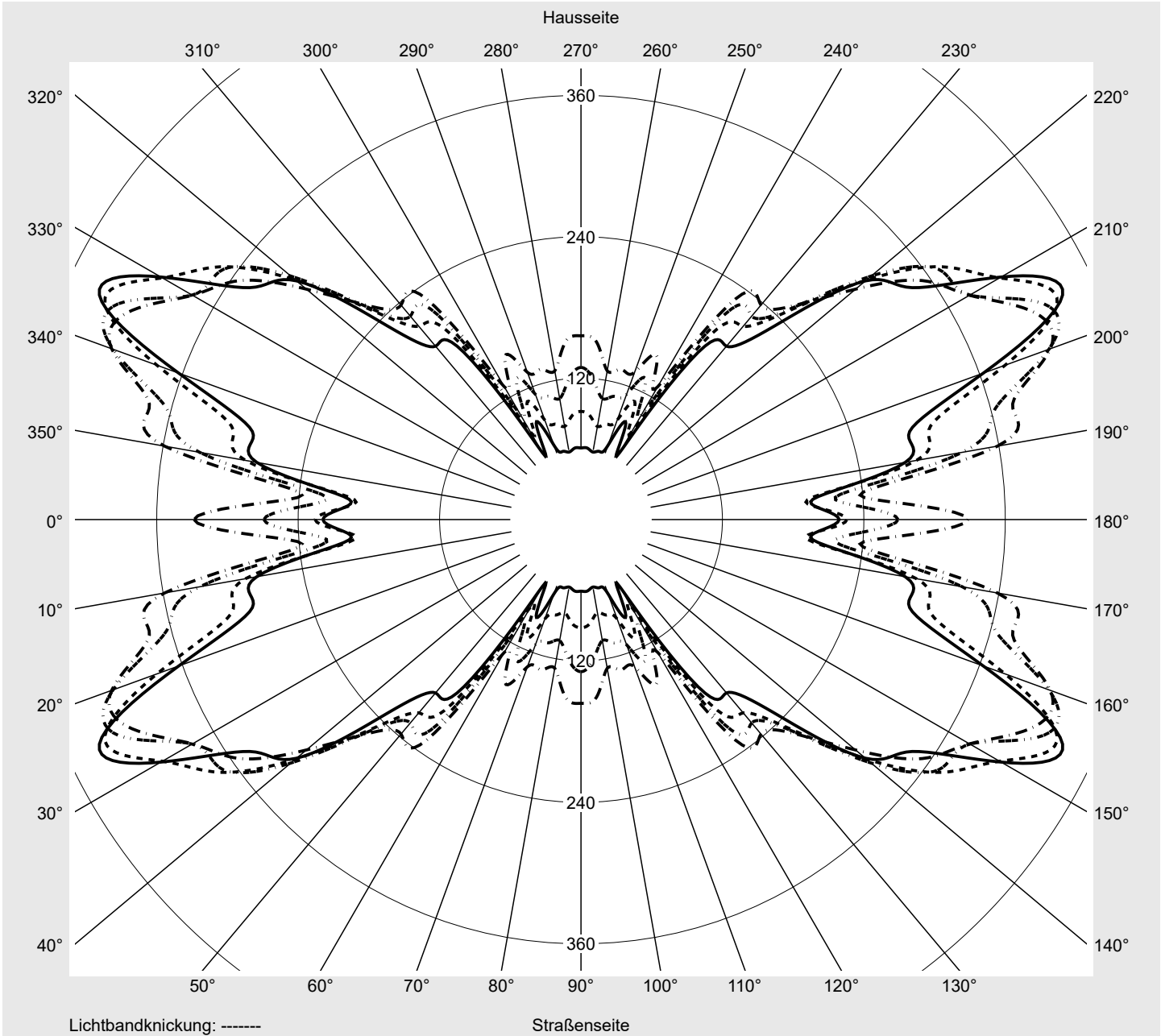
Messbedingungen

DIN EN 13032 und DIN 5032

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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 CLASSIC LED	Bestell-Nr.: 5XA5245OF14H EAN: 4058352834718	LP-Nummer 57126_28
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°	
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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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

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°	270°		
	310°	305°	300°	295°	290°	285°	280°	275°			
γ	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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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°
γ		Lichtstärke in cd/klm								
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°				
γ		Lichtstärke in cd/klm									Lichtstrom in lm/klm	
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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Familie LATERNE CLASSIC LED	Bestell-Nr.: 5XA5245OF14H EAN: 4058352834718	LP-Nummer 57126_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	2670	21.8	23.2	22.5
95	241	252	2533	20.6	21.9	21.2
90	229	250	2407	19.4	20.7	20.0
85	216	248	2271	18.3	19.4	18.8
80	203	246	2134	17.1	18.2	17.6
75	190	243	1997	15.9	16.9	16.4
70	178	241	1871	14.9	15.8	15.4
65	165	238	1734	13.8	14.7	14.2
60	152	235	1598	12.7	13.5	13.1
55	140	232	1472	11.7	12.4	12.0
50	127	229	1335	10.7	11.3	11.0
45	114	225	1198	9.6	10.1	9.8
40	102	221	1072	8.7	9.2	9.0
35	89	216	936	7.7	8.1	7.9
30	76	210	799	6.8	7.1	7.0
25	63	203	662	5.8	6.1	5.9
20	51	195	536	5.0	5.2	5.1
15	39	185	410	4.0	4.3	4.2