

Lichttechnischer Prüfbefund

Familie
GROSSE GLOCKE LED



Bestell-Nr.: 5XA1565E1F308
EAN: 4069025073792

Ausführung

hängende Montage am Mastbogen oder Wandarm

Optik

asymmetrisch, breit strahlend (ST1.2a)

Abdeckung

Planglas

Bestückung

LED 3000 K | CRI ≥ 70

Betriebsgerät

EVG SITECO iQ

Bemessungswerte

Nettolichtstrom = 4750 lm
Systemleistung = 34.3 W
Lichtausbeute = 138.5 lm/W

LP-Nummer
59564_5

Seriedokumentation
04.03.2024

siteco

Lichtstärke in cd/klm

C180-0C205-25C210-30C270-90

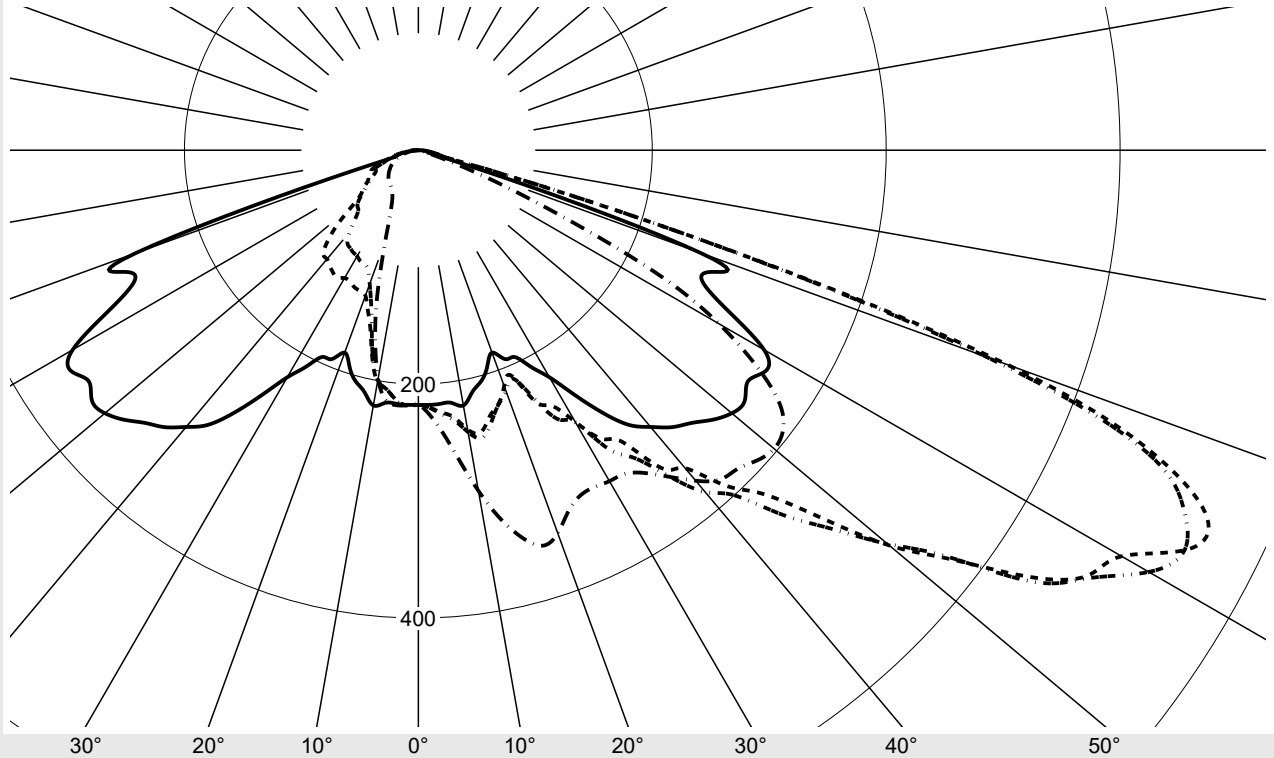
Imax: 744 cd/klm

Hausseite

110°120°130°150°180°150°130°120°110°

Straßenseite

100°



100°90°80°70°60°

30°20°10°0°10°20°30°40°50°

Leuchtenbetriebswirkungsgrade		Lichtstärkeklasse nach EN13201-2	
Eta	100.0%	Klasse:	G3
Eta 0° - 90°	100.0%	Imax 70°	535.6
Eta 90° - 180°	0.0%	Imax 80°	15.9
		Imax 90°	0.0
		Imax >90°	0.0
		Imax >95°	0.0
Messbedingungen			
DIN EN 13032 und DIN 5032			

Siteco GmbH | Georg-Simon-Ohm-Straße 50 | D-83301 Traunreut

Irrtum und Änderung vorbehalten
Toleranzen nach IEC 62722

LP 59564 | GROSSE GLOCKE LED | 5XA1565E1F308

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Bestell-Nr.: **5XA1565E1F308**
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LP-Nummer
59564_5

Kegelmantelkurven in cd/klm

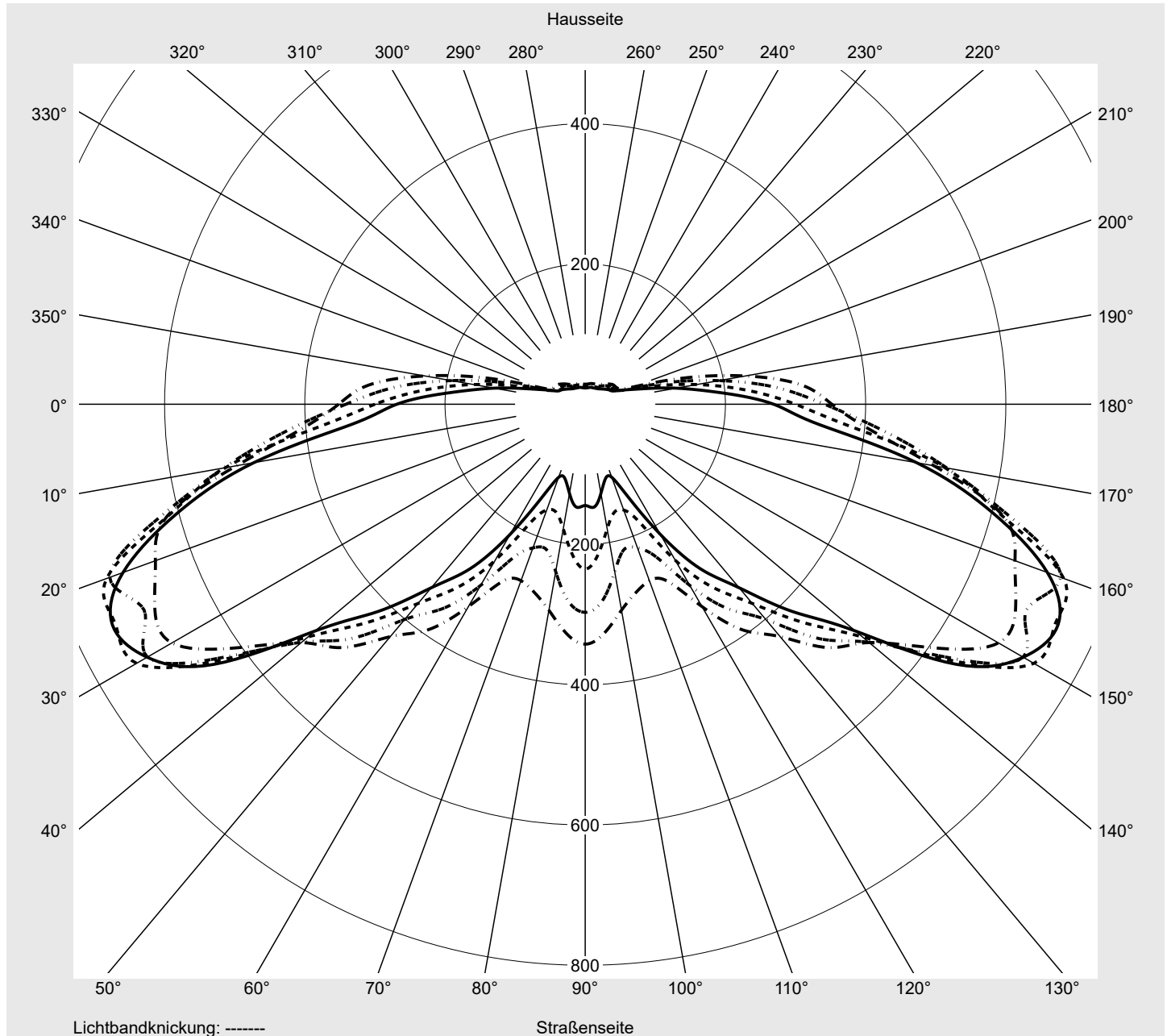
KMK 65°

KMK 62,5°

KMK 60°

KMK 57,5°

siteco



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Familie GROSSE GLOCKE LED		Bestell-Nr.: 5XA1565E1F308 EAN: 4069025073792										LP-Nummer 59564_5	
Wertetabelle Lichtstärkemessung										Maximale Lichtstärke		siteco	
C- Ebenen	0° 180°	5° 175°	10° 170°	15° 165°	20° 160°	25° 155°	30° 150°	35° 145°	40° 140°	45° 135°	50° 130°	55° 125°	60° 120°
γ	Lichtstärke in cd/klm												
0,0°	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8
2,5°	217.9	218.3	218.9	219.7	220.0	220.1	220.5	221.1	221.9	222.6	223.1	223.4	223.3
5,0°	217.6	219.1	221.0	222.6	224.0	225.1	226.4	227.8	229.6	231.4	233.2	234.2	235.4
7,5°	217.9	220.7	223.4	225.7	227.9	230.1	232.7	235.7	239.2	243.1	246.8	250.0	253.3
10,0°	221.6	227.6	232.2	236.1	239.2	242.4	244.7	247.4	250.9	255.2	260.4	266.4	273.0
12,5°	212.1	219.3	226.5	233.6	241.4	247.0	251.9	256.4	260.1	263.3	267.1	273.7	283.6
15,0°	205.3	213.4	220.7	226.4	231.3	235.6	240.9	246.6	252.0	256.8	261.1	267.9	279.3
17,5°	195.0	204.7	213.2	220.4	225.5	227.6	228.0	226.9	228.6	234.5	243.8	253.5	266.8
20,0°	184.2	188.8	195.0	202.5	208.8	214.5	219.3	221.4	219.2	219.7	228.7	244.8	260.0
22,5°	193.3	199.9	204.7	209.0	210.5	209.0	211.4	217.8	223.5	224.6	228.4	244.8	263.9
25,0°	195.1	200.2	210.0	223.6	233.7	237.3	234.5	226.9	226.1	236.8	245.2	254.9	273.3
27,5°	209.0	218.1	226.9	231.2	235.6	246.2	259.5	262.0	251.0	249.4	267.2	278.0	288.8
30,0°	224.2	239.6	249.3	260.7	266.9	268.1	268.8	281.2	291.5	283.3	287.4	305.3	308.8
32,5°	247.5	260.1	266.1	267.3	276.2	292.8	303.0	301.8	313.5	329.4	320.0	326.2	336.1
35,0°	273.6	290.5	300.6	305.1	304.7	304.7	321.0	344.9	345.7	353.4	365.5	349.1	360.5
37,5°	296.1	308.9	310.1	311.5	324.0	343.1	350.8	360.0	386.5	381.5	388.8	385.7	378.6
40,0°	308.9	319.9	324.4	335.7	340.7	354.9	381.6	399.1	400.7	422.6	410.3	415.3	402.7
42,5°	321.2	319.8	329.6	347.1	367.1	389.0	400.3	416.6	443.4	440.1	448.7	429.8	424.6
45,0°	329.9	327.9	353.6	383.1	412.5	415.1	441.0	441.4	459.5	477.4	465.1	452.8	433.2
47,5°	341.1	346.9	374.4	415.1	440.1	463.3	479.1	461.7	477.2	486.1	480.7	465.6	434.9
50,0°	349.9	363.9	407.8	436.6	463.6	525.7	523.7	486.8	490.7	500.3	483.1	454.5	421.3
52,5°	351.8	372.8	431.8	503.0	531.7	574.7	571.2	527.6	510.3	508.5	475.4	437.9	398.0
55,0°	344.2	389.5	450.1	547.0	574.8	635.4	643.8	559.6	525.8	508.0	456.8	415.9	360.5
57,5°	351.8	406.4	505.1	617.6	652.5	677.6	680.8	605.4	528.6	490.8	432.6	393.3	333.1
60,0°	341.3	425.5	524.0	631.2	721.7	694.3	721.2	628.8	528.0	472.9	400.6	356.2	298.2
62,5°	299.9	384.7	521.0	616.2	726.5	740.0	739.0	636.5	516.2	440.3	370.9	319.4	257.0
65,0°	268.8	335.9	480.1	603.5	701.6	744.2	721.5	646.7	503.0	418.0	341.6	286.5	214.3
67,5°	271.9	314.6	419.3	541.5	610.0	682.7	673.5	611.8	472.9	382.4	304.7	243.0	172.8
70,0°	257.0	311.0	372.9	460.6	502.0	535.6	517.8	469.9	348.6	291.2	221.9	175.9	135.0
72,5°	62.6	101.4	133.6	190.5	216.0	244.1	242.7	228.6	178.4	149.4	111.8	86.8	66.8
75,0°	21.0	20.3	19.9	19.8	21.0	26.8	33.2	36.8	34.3	34.5	34.6	35.7	37.5
77,5°	17.8	17.5	16.7	16.2	15.7	14.8	13.7	12.3	10.6	9.5	8.6	8.1	7.9
80,0°	14.3	13.6	13.0	12.4	11.8	10.9	9.7	8.8	7.6	6.9	6.0	5.5	5.0
82,5°	10.2	9.8	9.3	8.9	8.4	7.8	7.0	6.3	5.7	5.0	4.6	4.1	3.7
85,0°	6.9	6.6	6.2	5.8	5.5	5.1	4.7	4.2	3.9	3.4	3.0	2.7	2.5
87,5°	4.2	4.1	3.9	3.7	3.3	3.1	2.9	2.6	2.4	2.1	1.9	1.7	1.6
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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GROSSE GLOCKE LED					EAN: 4069025073792							59564_5			
Wertetabelle Lichtstärkemessung												Maximale Lichtstärke		siteco	
C- Ebenen	65° 115°	70° 110°	75° 105°	80° 100°	85° 95°	90°	185° 355°	190° 350°	195° 345°	200° 340°	205° 335°	210° 330°	215° 325°		
γ	Lichtstärke in cd/klm														
0,0°	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8		
2,5°	223.7	224.5	225.3	226.1	226.5	226.7	217.1	216.7	216.9	217.5	218.3	218.7	218.6		
5,0°	236.8	238.5	240.2	241.8	242.7	243.0	216.0	214.7	213.8	214.0	214.7	215.2	215.6		
7,5°	257.1	260.6	263.5	266.0	267.0	267.1	214.7	211.6	209.0	207.3	206.6	206.4	206.2		
10,0°	279.5	285.0	289.5	292.8	294.8	295.7	215.9	210.8	206.6	203.2	201.0	199.8	199.1		
12,5°	294.3	303.4	311.2	317.4	321.3	322.3	204.5	197.3	190.9	185.4	182.0	180.3	180.4		
15,0°	295.0	310.9	324.7	335.4	341.4	343.0	195.8	186.4	175.8	166.0	158.4	153.9	152.5		
17,5°	284.7	306.4	326.3	341.7	350.7	354.5	186.6	177.4	168.1	156.3	143.6	134.8	129.5		
20,0°	276.8	299.3	319.7	335.0	345.2	348.4	177.3	166.1	155.8	146.1	132.3	121.6	115.3		
22,5°	278.3	295.0	313.0	325.2	331.9	334.6	184.8	175.7	160.3	146.5	130.0	111.9	104.6		
25,0°	288.9	298.7	310.4	318.8	323.6	326.3	184.6	174.0	161.5	144.3	129.3	107.7	97.3		
27,5°	305.2	310.8	315.5	319.6	323.0	324.9	199.8	182.5	165.8	145.4	126.7	107.1	92.9		
30,0°	319.3	323.3	319.6	323.9	326.4	326.7	208.8	195.0	171.8	153.1	126.3	104.7	89.6		
32,5°	333.5	332.5	324.8	328.9	330.8	328.2	226.5	207.5	181.5	157.0	129.0	103.6	87.1		
35,0°	353.1	341.7	334.6	337.3	339.4	336.9	246.2	225.3	193.1	163.3	127.5	101.9	80.6		
37,5°	378.2	354.9	347.8	349.0	352.1	351.9	265.2	238.8	199.3	169.5	124.4	99.7	71.9		
40,0°	396.3	367.2	360.7	362.3	366.4	368.9	274.9	247.8	204.4	166.0	121.5	91.3	66.6		
42,5°	399.7	373.5	370.0	375.0	380.0	381.9	284.7	256.8	207.2	160.2	120.4	80.2	67.7		
45,0°	402.4	374.0	376.0	385.7	388.0	385.6	294.8	261.7	213.3	149.6	109.4	72.6	69.1		
47,5°	402.4	372.1	377.7	389.5	395.1	392.7	303.3	259.6	211.2	142.5	93.3	70.7	67.8		
50,0°	391.1	365.4	367.3	383.0	396.9	397.1	305.3	254.5	199.6	129.8	72.9	66.3	63.0		
52,5°	363.3	349.0	348.9	363.8	386.7	393.1	305.3	253.8	187.7	118.0	61.8	59.9	57.4		
55,0°	319.2	319.1	321.4	336.0	360.4	376.8	305.2	248.5	172.5	101.6	58.0	54.5	52.3		
57,5°	278.7	267.8	278.4	298.2	326.3	342.2	310.7	232.0	143.4	70.8	52.5	49.9	48.5		
60,0°	240.6	218.1	214.4	242.4	281.3	296.7	273.9	194.0	117.9	58.1	49.4	45.6	44.7		
62,5°	187.8	160.5	159.7	180.4	214.4	235.1	230.8	161.6	99.3	58.9	47.9	41.5	40.0		
65,0°	147.2	110.9	110.5	129.1	147.1	144.4	192.0	131.8	85.3	59.7	44.7	40.3	36.9		
67,5°	111.0	73.8	66.9	73.6	78.4	77.9	185.5	120.4	79.4	55.1	42.9	39.5	34.6		
70,0°	80.4	49.6	35.5	29.2	29.0	32.9	157.7	92.3	61.0	43.8	36.1	32.5	29.8		
72,5°	39.0	26.5	16.9	11.6	10.7	11.0	48.9	39.8	36.5	32.3	29.9	28.2	26.1		
75,0°	22.0	13.4	9.6	7.4	6.8	6.7	21.3	22.0	22.6	23.3	23.6	23.2	23.5		
77,5°	7.3	6.7	5.5	5.0	4.9	4.7	18.9	19.6	20.1	20.8	20.8	21.0	20.4		
80,0°	4.6	4.2	4.0	3.8	3.5	3.4	14.7	15.3	15.9	15.8	15.7	15.2	14.8		
82,5°	3.3	3.0	2.8	2.7	2.6	2.6	10.6	11.1	11.4	11.4	11.1	10.9	10.5		
85,0°	2.2	2.0	1.9	1.8	1.8	1.8	7.1	7.3	7.4	7.3	7.3	7.1	6.9		
87,5°	1.4	1.3	1.2	1.1	1.0	1.0	4.3	4.4	4.5	4.4	4.4	4.3	4.2		
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

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Familie				Bestell-Nr.: 5XA1565E1F308								LP-Nummer	
GROSSE GLOCKE LED				EAN: 4069025073792								59564_5	
Wertetabelle Lichtstärkemessung												siteco	
C- Ebenen	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm											Lichtstrom in lm/klm	
0,0°	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	0.3	0.3
2,5°	218.6	218.7	218.7	218.9	218.9	218.6	218.3	218.1	218.1	218.1	218.2	2.6	3.0
5,0°	215.9	216.6	217.2	218.0	218.7	219.0	219.1	219.1	218.9	218.9	218.8	5.4	8.3
7,5°	206.2	206.7	207.9	209.5	211.2	213.0	214.1	214.6	215.1	215.2	215.2	8.1	16.4
10,0°	198.2	197.0	196.0	195.4	195.6	197.0	198.4	198.8	198.6	198.4	198.4	11.0	27.4
12,5°	180.9	180.4	178.3	175.0	172.7	172.3	172.5	172.2	171.4	170.5	170.2	13.3	40.8
15,0°	153.2	154.2	152.7	147.7	143.1	141.7	141.7	141.3	140.5	139.7	139.5	15.0	55.8
17,5°	127.0	127.5	125.4	118.3	112.8	111.2	110.6	109.7	108.6	107.7	107.5	16.2	72.0
20,0°	110.3	108.7	104.0	94.9	90.4	89.0	87.7	85.8	84.3	83.2	82.7	17.1	89.0
22,5°	98.8	94.9	86.6	77.7	74.7	72.9	71.1	69.1	67.2	65.9	65.5	18.6	107.6
25,0°	91.0	84.6	73.2	67.2	65.1	63.0	60.5	58.2	56.6	55.6	55.2	20.6	128.2
27,5°	85.2	74.4	64.1	61.5	58.9	56.2	53.4	51.2	49.6	48.8	48.5	23.2	151.4
30,0°	79.4	65.6	60.1	57.8	54.8	51.5	48.9	47.0	45.5	44.8	44.4	26.4	177.9
32,5°	71.1	60.4	58.0	55.2	51.5	48.2	45.8	44.1	43.0	42.2	42.0	29.8	207.7
35,0°	63.0	59.2	56.3	52.8	49.1	45.7	43.6	42.1	41.0	40.3	40.2	33.8	241.5
37,5°	62.3	58.9	54.9	51.1	47.3	44.2	42.0	40.7	39.7	38.9	38.7	37.8	279.3
40,0°	63.1	57.9	53.2	49.2	45.6	42.8	40.8	39.4	38.5	38.0	37.7	41.7	321.0
42,5°	64.0	57.6	51.8	47.4	44.1	41.7	39.8	38.4	37.6	37.0	36.9	45.4	366.4
45,0°	64.0	56.4	49.9	45.6	42.5	40.3	38.6	37.4	36.6	36.0	35.9	49.3	415.6
47,5°	62.1	54.5	47.9	43.7	41.0	38.9	37.5	36.4	35.6	34.9	34.7	52.8	468.4
50,0°	57.5	50.9	45.1	41.6	39.1	37.5	36.3	35.2	34.3	33.6	33.3	55.6	524.0
52,5°	52.9	47.5	42.6	39.3	37.2	36.0	34.8	33.8	32.8	32.0	31.8	58.3	582.3
55,0°	48.7	44.2	40.0	37.0	35.2	34.1	33.2	32.1	31.1	30.4	30.2	60.1	642.3
57,5°	44.8	41.0	37.1	34.5	33.0	31.9	31.2	30.5	29.5	28.8	28.6	61.4	703.7
60,0°	41.0	37.2	33.9	31.8	30.7	30.0	29.4	28.7	27.7	27.1	27.0	60.7	764.4
62,5°	37.0	33.8	31.0	29.5	28.6	27.9	27.4	26.8	25.9	25.3	24.9	57.9	822.3
65,0°	33.7	30.9	28.8	27.5	26.6	25.9	25.5	24.8	23.9	23.4	23.1	54.2	876.5
67,5°	31.1	28.8	26.9	25.5	24.4	23.6	23.1	22.5	21.8	21.3	21.1	49.0	925.5
70,0°	28.0	26.2	24.4	23.1	22.1	21.2	20.6	20.1	19.4	19.1	18.9	39.5	965.1
72,5°	24.6	23.1	21.9	20.6	19.4	18.5	17.6	17.1	16.6	16.3	16.2	18.7	983.7
75,0°	23.8	22.6	20.3	18.8	16.9	15.8	15.0	14.5	14.1	13.8	13.8	5.7	989.5
77,5°	19.8	18.7	17.0	15.8	14.1	12.9	12.0	11.5	11.2	11.0	11.0	3.7	993.1
80,0°	14.1	13.6	12.7	11.8	10.6	9.8	9.3	8.8	8.4	8.3	8.3	2.7	995.9
82,5°	10.1	9.7	9.1	8.3	7.7	7.2	6.9	6.5	6.2	6.1	6.1	2.0	997.9
85,0°	6.6	6.3	6.0	5.6	5.2	4.9	4.7	4.4	4.2	4.1	4.1	1.3	999.2
87,5°	4.1	3.9	3.7	3.4	3.1	3.0	2.8	2.6	2.5	2.5	2.4	0.8	1000.0
90,0°	0.0	0.0	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 GROSSE GLOCKE LED	Bestell-Nr.: 5XA1565E1F308 EAN: 4069025073792	LP-Nummer 59564_5
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	4750	34.3	37.7	36.0
95	241	252	4507	32.1	35.2	33.7
90	229	250	4282	30.2	33.0	31.6
85	216	248	4039	28.1	30.8	29.4
80	203	246	3796	26.1	28.6	27.4
75	190	243	3553	24.2	26.5	25.4
70	178	241	3329	22.5	24.6	23.6
65	165	238	3086	20.6	22.6	21.6
60	152	235	2843	18.9	20.6	19.8
55	140	232	2618	17.2	18.8	18.0
50	127	229	2375	15.5	17.0	16.2
45	114	225	2132	13.9	15.1	14.5
40	102	221	1907	12.4	13.6	13.0
35	89	216	1664	10.8	11.8	11.3
30	76	210	1421	9.2	10.1	9.6
25	63	203	1178	7.7	8.4	8.0
20	51	195	954	6.4	6.9	6.6
15	38	184	711	4.9	5.3	5.1
11	29	175	542	3.8	4.1	4.0