

## Lichttechnischer Prüfbefund

Familie  
**LATERNE CLASSIC LED**

Bestell-Nr.: **5XA5245LF14H + 5XA54000XSA**  
EAN: **4058352834596 + 4058352161326**

LP-Nummer  
**59286\_21**



**Ausführung** Mastaufsatz- oder Montage am Wandausleger, Spreader-Element, amber  
**Optik** asymmetrisch, extrem breit strahlend (P1.0a)  
**Abdeckung** Abdeckung klar, PMMA  
**Bestückung** LED 4000 K | CRI ≥ 70  
**Betriebsgerät** EVG SITECO iQ  
**Bemessungswerte** Nettolichtstrom = 950 lm  
Systemleistung = 10.0 W  
Lichtausbeute = 95 lm/W

Seriendokumentation  
**08.07.2022**

siteco

Lichtstärke in cd/klm

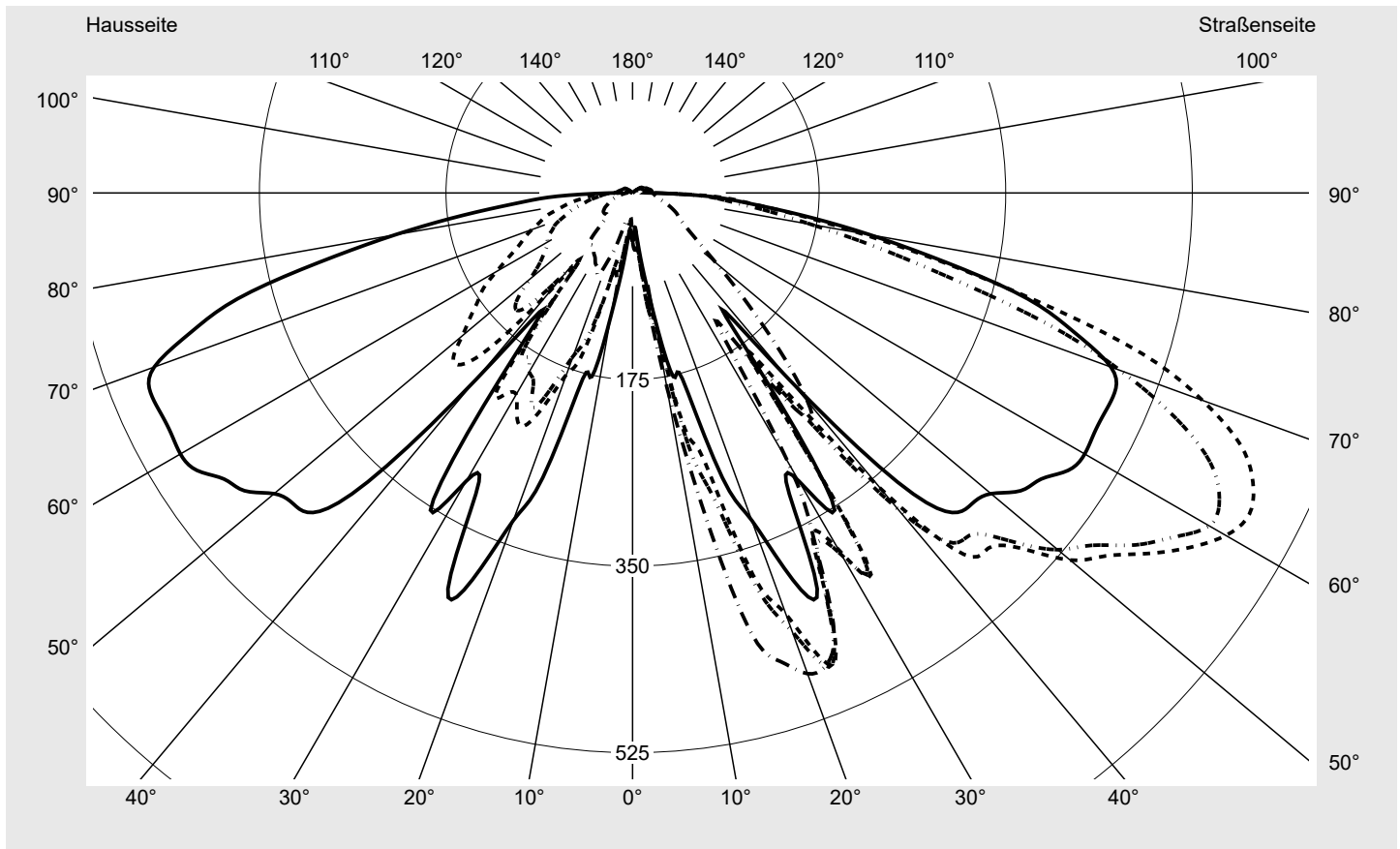
C180-0

C195-15

C200-20

C270-90

Imax: **652 cd/klm**



## Leuchtenbetriebswirkungsgrade

Eta	100.0%
Eta 0° - 90°	95.9%
Eta 90° - 180°	4.1%

## Lichtstärkeklasse nach EN13201-2

Klasse:	---
Imax 70°	617.0
Imax 80°	254.1
Imax 90°	21.9
Imax >90°	18.4
Imax >95°	17.8

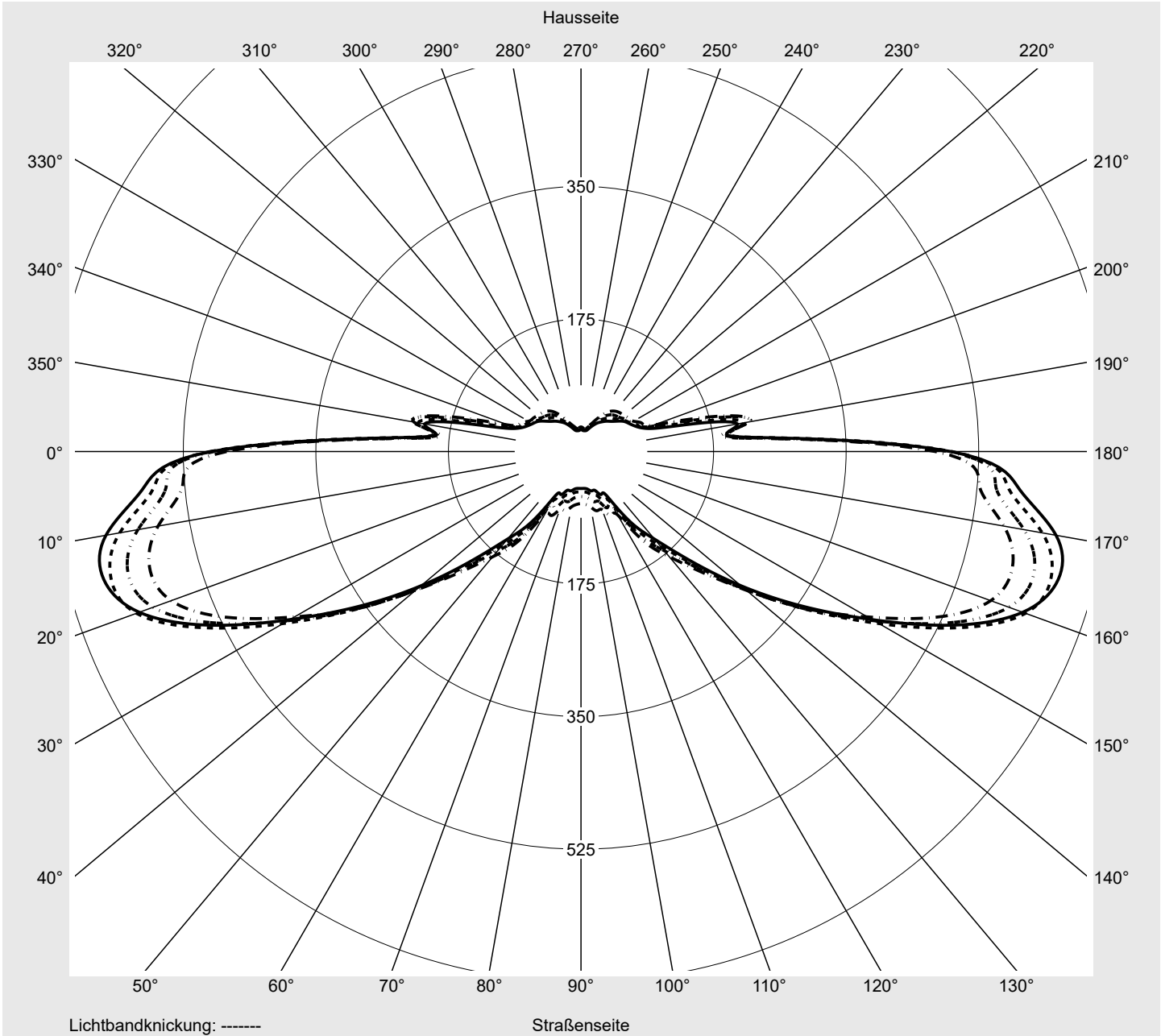
## Messbedingungen

DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

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**Kegelmantelkurven in cd/klm**    **KMK 62,5°**    **KMK 60°**    **KMK 57,5°**    **KMK 55°**    **siteco**



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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

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°	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
2,5°	37.7	37.7	38.0	38.4	38.8	39.7	40.8	42.5	45.3	48.0	49.8	50.9	51.7
5,0°	36.7	36.8	37.0	37.3	38.1	40.0	42.3	44.4	47.3	49.2	50.3	51.0	50.6
7,5°	69.1	80.4	90.8	99.9	108.1	116.8	123.2	130.2	134.3	134.7	130.0	119.6	101.3
10,0°	117.6	123.7	124.4	128.7	136.5	145.5	153.0	161.9	172.2	183.0	190.4	203.1	215.5
12,5°	176.4	200.2	219.0	226.7	244.0	257.9	273.2	279.5	292.2	300.9	302.3	280.0	283.8
15,0°	180.5	207.1	231.4	260.0	298.3	320.6	322.9	331.1	333.5	371.7	383.2	384.1	359.6
17,5°	280.0	306.9	353.6	376.0	389.2	400.8	392.2	358.7	385.2	398.3	445.0	447.3	436.4
20,0°	326.8	368.6	388.8	420.3	437.9	451.2	454.7	443.3	441.8	446.4	485.3	469.2	455.7
22,5°	392.9	429.8	458.9	478.3	481.3	474.6	462.5	436.0	431.3	435.8	475.1	453.4	442.2
25,0°	409.8	430.1	442.4	442.9	438.8	432.7	414.9	386.3	374.5	380.1	413.5	392.3	383.3
27,5°	318.4	342.8	359.6	365.6	374.3	378.5	359.5	336.5	321.7	323.9	349.2	327.5	314.9
30,0°	312.1	346.8	373.7	386.2	392.1	392.7	374.3	344.7	322.4	315.6	323.6	285.1	257.8
32,5°	352.8	388.5	407.8	406.7	398.3	386.8	352.9	311.0	289.9	288.0	293.7	271.9	253.1
35,0°	243.2	228.2	216.4	205.9	207.5	216.9	215.8	209.9	219.1	237.0	249.0	249.7	242.8
37,5°	138.2	169.3	200.3	224.2	259.1	287.1	292.0	276.4	257.3	258.5	246.8	221.2	209.7
40,0°	228.4	282.2	330.3	362.5	387.4	388.3	364.6	329.4	295.3	280.8	258.4	221.1	199.7
42,5°	367.6	413.3	446.1	459.8	445.3	419.4	383.7	344.2	312.5	285.5	258.1	223.3	191.3
45,0°	424.0	462.2	476.0	471.5	452.4	427.4	395.5	353.7	315.9	287.8	254.4	216.5	177.3
47,5°	431.6	465.2	485.2	493.1	484.4	458.3	414.6	359.6	309.1	275.0	238.2	201.0	153.2
50,0°	438.9	486.3	519.4	535.8	520.7	482.8	428.9	357.5	295.5	255.1	214.3	181.4	132.2
52,5°	458.9	511.6	545.5	559.3	543.0	494.7	429.5	357.9	285.5	236.4	195.0	161.3	110.1
55,0°	467.8	528.1	566.9	589.7	575.7	517.5	436.6	361.1	285.1	225.1	181.3	144.5	96.6
57,5°	484.4	550.0	593.9	619.1	601.1	535.1	446.8	362.8	284.3	217.6	170.8	134.5	83.1
60,0°	489.7	567.0	618.4	642.6	624.5	550.4	454.3	363.6	283.0	212.1	162.1	123.7	76.5
62,5°	488.1	581.6	636.8	652.3	620.5	542.4	443.8	355.5	275.7	203.7	151.0	113.1	66.8
65,0°	488.4	591.7	644.8	642.0	597.8	517.1	422.8	337.0	263.8	193.9	140.2	102.2	61.5
67,5°	489.4	603.2	644.7	617.2	551.2	465.2	373.5	300.0	240.3	179.1	127.6	90.2	53.4
70,0°	477.5	584.5	617.0	568.9	487.0	395.8	316.1	252.7	207.9	160.0	113.0	78.7	47.4
72,5°	434.3	537.5	560.7	501.0	407.3	322.5	252.3	201.0	169.1	135.6	97.1	66.9	40.7
75,0°	383.7	456.2	459.9	393.9	310.0	243.3	190.4	153.3	129.6	109.0	81.1	57.1	36.1
77,5°	301.7	355.3	350.6	295.9	234.0	183.6	144.8	117.8	99.5	84.5	65.2	47.2	30.7
80,0°	226.2	254.1	251.0	215.4	170.3	133.9	108.6	89.0	73.9	63.6	51.7	39.5	27.1
82,5°	160.3	178.4	176.7	155.1	126.4	101.2	84.0	68.8	56.4	48.6	40.5	32.5	23.9
85,0°	107.9	120.8	119.8	109.9	91.7	73.7	61.9	52.7	43.9	37.9	32.9	27.6	21.4
87,5°	70.4	81.0	81.9	77.0	65.7	54.7	47.4	40.9	34.9	30.7	27.2	24.1	19.7
90,0°	17.6	19.2	20.6	21.9	21.9	21.3	20.6	20.0	19.3	18.8	18.2	17.6	16.1
92,5°	13.9	15.3	16.3	17.1	17.4	17.5	17.5	17.1	17.0	16.7	16.5	16.3	15.7
95,0°	13.5	14.8	15.6	16.3	16.7	16.9	17.0	16.7	16.5	16.4	16.2	16.1	15.7
97,5°	13.1	14.3	15.0	15.5	16.1	16.4	16.5	16.3	16.1	15.9	15.8	15.7	15.4
100,0°	12.5	13.4	14.1	14.7	15.1	15.5	15.7	15.5	15.3	15.2	15.2	15.2	14.9
102,5°	11.6	12.4	13.2	13.8	14.2	14.5	14.8	14.7	14.5	14.3	14.3	14.4	14.3
105,0°	11.0	11.7	12.4	12.9	13.4	13.8	14.0	14.0	13.8	13.8	13.8	13.8	13.8
107,5°	10.2	10.9	11.6	12.1	12.7	13.1	13.2	13.1	13.1	13.1	13.2	13.3	13.3
110,0°	9.8	10.4	11.1	11.6	12.1	12.5	12.8	12.6	12.5	12.4	12.5	12.6	12.7
112,5°	9.4	10.0	10.6	11.2	11.6	12.0	12.3	12.1	11.9	11.8	11.9	12.1	12.3

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

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°	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
2,5°	52.3	52.7	53.2	53.5	53.5	53.5	37.1	36.7	36.3	35.8	35.2	34.8	34.2
5,0°	50.5	51.1	51.2	52.8	54.0	54.2	36.6	36.4	36.4	36.5	35.9	34.5	33.3
7,5°	92.5	94.8	101.6	95.9	95.4	93.8	58.4	50.7	45.4	40.3	36.7	34.1	32.8
10,0°	197.3	170.2	178.2	188.7	187.8	184.5	111.2	103.2	80.6	75.8	74.9	65.3	52.2
12,5°	274.8	258.2	256.3	290.6	302.6	299.4	123.9	102.8	70.5	62.3	57.3	57.3	70.9
15,0°	349.6	295.1	295.4	373.7	418.1	424.8	145.2	110.1	102.5	99.1	111.4	115.5	119.1
17,5°	438.8	364.9	349.1	422.1	460.5	460.8	210.7	127.9	162.2	143.2	136.2	124.1	108.4
20,0°	457.0	378.0	362.2	440.3	479.8	479.9	237.1	141.7	181.3	163.0	148.6	130.7	113.7
22,5°	444.4	372.2	359.4	437.0	476.9	477.7	330.0	158.1	215.0	196.4	162.3	137.5	120.3
25,0°	396.8	342.9	334.2	406.9	443.4	445.6	315.2	169.9	241.3	222.4	180.9	145.8	125.3
27,5°	333.0	291.9	284.1	342.4	368.5	370.4	246.1	123.0	235.0	201.3	166.8	135.7	122.0
30,0°	251.4	224.6	220.6	260.4	285.7	291.8	221.5	103.7	218.4	193.5	160.7	132.9	118.6
32,5°	224.0	182.5	172.4	177.8	161.0	151.7	251.9	110.6	224.8	182.5	146.1	118.5	107.2
35,0°	206.1	149.1	155.8	187.6	187.9	185.0	205.3	111.4	211.6	175.1	135.4	96.5	78.4
37,5°	187.7	138.3	178.6	241.1	260.0	264.0	105.0	77.7	91.5	90.6	75.1	61.2	53.0
40,0°	190.3	163.9	202.4	247.0	254.7	255.4	154.6	99.0	116.6	94.6	62.7	61.2	66.6
42,5°	183.2	155.3	192.6	215.2	212.5	212.3	240.5	140.2	194.4	141.3	85.4	85.5	86.8
45,0°	165.1	146.5	168.5	175.0	169.0	166.9	261.6	174.9	227.7	154.6	97.5	98.3	94.4
47,5°	146.1	126.1	143.6	140.9	133.6	130.9	247.8	200.2	228.0	145.8	98.9	98.7	94.0
50,0°	124.3	109.3	117.4	111.3	104.7	102.4	225.7	213.2	208.5	125.7	93.6	91.2	87.8
52,5°	107.6	93.6	96.9	89.7	84.2	82.2	217.4	223.9	192.0	110.8	90.8	84.0	81.2
55,0°	93.2	81.6	80.9	74.5	70.2	68.8	211.9	223.9	177.2	102.4	88.6	80.0	76.9
57,5°	81.9	70.5	68.7	63.5	60.3	59.5	205.1	225.9	165.5	95.8	86.1	77.6	73.5
60,0°	71.4	62.1	60.0	55.6	53.6	53.3	219.0	218.1	147.4	91.9	82.6	75.6	71.1
62,5°	62.7	54.9	53.8	50.5	48.9	48.8	217.4	209.7	131.3	89.7	79.2	73.7	69.3
65,0°	54.7	49.1	48.2	46.2	45.7	45.8	221.0	193.8	118.2	83.4	71.8	69.3	65.7
67,5°	48.2	44.1	43.2	41.7	41.4	41.7	219.9	180.9	109.6	78.8	66.5	63.5	59.1
70,0°	41.6	39.0	38.6	37.6	37.4	37.5	215.6	164.8	100.5	71.2	61.2	58.7	54.4
72,5°	36.2	34.3	33.7	33.0	33.0	33.2	198.6	152.8	91.2	63.6	53.8	51.9	48.0
75,0°	31.7	30.5	30.0	29.3	29.1	29.3	174.4	138.6	84.0	57.2	48.8	46.5	42.9
77,5°	27.3	26.8	26.3	25.8	25.8	26.0	143.9	119.8	72.5	48.1	41.6	39.7	37.2
80,0°	24.1	24.0	23.6	23.4	23.5	23.6	106.5	102.7	62.9	42.5	37.7	35.1	33.8
82,5°	21.9	22.0	21.8	21.7	21.8	21.9	82.1	84.1	52.7	35.6	31.6	30.1	27.8
85,0°	20.5	20.7	20.6	20.6	20.6	20.7	63.6	62.3	42.1	29.8	26.4	24.8	22.7
87,5°	19.6	19.9	19.8	19.8	19.9	19.9	48.0	47.3	33.4	24.7	22.1	21.0	19.2
90,0°	16.9	17.5	17.8	18.2	18.4	18.6	15.0	14.2	13.1	12.3	11.7	11.1	10.7
92,5°	16.3	17.0	17.5	17.8	18.1	18.4	13.0	12.7	12.2	11.7	11.3	10.9	10.3
95,0°	16.3	16.6	17.2	17.6	17.9	18.2	12.7	12.5	12.0	11.5	11.2	11.0	10.4
97,5°	16.0	16.4	16.6	17.2	17.6	17.8	12.4	12.1	11.7	11.2	11.0	10.8	10.4
100,0°	15.4	15.8	16.0	16.3	16.9	17.2	11.8	11.4	11.0	10.6	10.5	10.4	10.0
102,5°	14.7	15.1	15.4	15.6	16.0	16.1	11.0	10.5	10.1	9.9	9.7	9.6	9.2
105,0°	14.2	14.5	14.8	14.9	15.2	14.9	10.4	9.9	9.6	9.3	9.1	9.0	8.7
107,5°	13.5	13.9	14.1	14.3	14.5	14.0	9.7	9.2	8.9	8.5	8.4	8.3	8.0
110,0°	13.0	13.2	13.5	13.8	13.9	13.1	9.3	8.8	8.3	8.1	7.9	7.8	7.5
112,5°	12.5	12.8	13.1	13.3	12.3	7.7	8.9	8.4	8.0	7.7	7.5	7.6	7.2

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>sitEco</b>

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°	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	0.1	0.1
2,5°	33.7	33.1	32.7	32.2	31.6	31.0	30.1	29.0	27.5	26.3	25.8	0.5	0.5
5,0°	32.6	32.2	32.8	32.2	31.4	30.6	30.0	29.2	28.6	28.0	28.0	0.9	1.5
7,5°	32.8	32.1	31.0	30.1	30.4	30.2	29.9	29.4	28.8	28.6	28.6	2.6	4.0
10,0°	38.1	32.6	31.4	30.7	29.8	29.4	29.1	28.3	27.5	26.8	26.4	5.2	9.3
12,5°	79.7	75.1	67.7	57.7	47.1	36.5	31.4	28.9	27.6	26.6	26.1	9.7	19.0
15,0°	90.5	78.0	73.4	74.9	71.5	59.0	51.3	39.1	38.2	36.7	34.6	14.5	33.5
17,5°	102.7	92.7	82.5	73.4	62.7	59.5	61.4	54.0	47.1	54.6	54.0	20.5	54.0
20,0°	107.3	93.4	83.2	79.6	75.2	71.3	72.1	60.8	55.1	64.6	67.8	25.7	79.7
22,5°	109.1	95.8	81.4	79.1	79.5	76.6	75.1	71.2	64.7	77.2	83.0	30.2	109.9
25,0°	106.4	90.4	79.2	78.2	82.1	84.7	84.6	74.8	67.3	74.1	77.9	31.4	141.3
27,5°	102.7	89.5	79.4	79.7	83.3	83.2	81.6	73.8	63.4	69.1	75.1	29.4	170.6
30,0°	102.8	86.8	79.2	81.2	84.7	83.3	79.2	71.5	57.8	65.5	70.3	29.7	200.3
32,5°	99.2	98.0	85.7	78.8	76.8	75.7	72.3	67.6	55.5	62.8	67.5	30.0	230.3
35,0°	78.7	84.1	83.2	78.8	77.7	75.1	70.8	65.5	55.0	59.3	63.6	24.9	255.2
37,5°	47.0	51.5	62.1	73.7	76.8	73.4	69.9	63.5	55.4	56.9	61.8	25.0	280.2
40,0°	51.1	38.7	34.5	47.4	62.0	65.2	64.6	60.1	54.4	56.8	62.8	31.0	311.2
42,5°	75.5	60.7	43.6	36.4	37.2	44.8	52.7	53.3	49.6	50.9	56.4	36.6	347.9
45,0°	88.1	79.3	63.5	48.0	39.8	36.9	36.7	37.1	38.0	38.6	41.2	39.1	386.9
47,5°	90.7	84.9	76.7	61.7	50.9	41.6	34.7	31.4	30.0	32.2	34.1	40.4	427.3
50,0°	86.6	83.3	78.6	68.2	55.0	44.4	37.8	34.0	29.5	29.6	31.2	41.3	468.6
52,5°	80.4	78.9	75.9	69.0	56.4	45.7	37.6	32.4	29.5	30.3	32.2	42.0	510.6
55,0°	74.1	72.4	69.6	64.3	55.5	46.0	38.5	34.0	30.7	31.3	32.7	43.1	553.7
57,5°	69.1	66.2	63.3	58.0	51.6	44.4	37.4	32.8	29.7	31.2	32.5	44.2	597.9
60,0°	65.7	61.7	58.2	52.9	47.1	40.9	35.2	31.1	28.5	30.1	30.8	45.3	643.2
62,5°	62.4	56.4	52.3	47.9	43.6	38.4	33.1	29.0	27.9	27.9	28.9	45.5	688.6
65,0°	58.6	51.7	47.0	42.8	39.5	35.5	30.7	27.1	26.5	25.8	26.1	44.8	733.4
67,5°	53.5	47.7	42.5	38.5	35.8	32.4	28.2	24.6	25.4	23.6	24.1	43.0	776.5
70,0°	48.5	42.4	37.7	34.2	32.2	29.2	25.3	22.8	23.3	21.7	21.8	39.9	816.4
72,5°	42.8	37.8	33.7	30.5	28.5	25.9	22.1	20.4	20.9	19.4	19.6	35.3	851.7
75,0°	37.5	32.9	29.4	26.3	24.9	22.8	19.4	18.9	18.6	17.2	17.2	29.6	881.2
77,5°	33.2	29.0	26.0	23.4	21.9	19.8	16.4	16.6	16.0	14.9	14.8	23.7	904.9
80,0°	29.4	25.3	22.4	20.3	18.6	16.7	13.8	14.2	13.4	12.5	12.1	18.4	923.3
82,5°	24.4	21.3	19.5	17.8	16.2	14.3	11.6	12.1	11.2	10.2	9.9	14.2	937.5
85,0°	20.5	18.1	16.3	14.8	13.5	12.0	9.7	10.0	9.1	8.5	8.1	10.8	948.3
87,5°	17.2	15.2	13.5	12.6	11.1	9.9	8.3	8.4	7.7	7.1	6.7	8.3	956.6
90,0°	10.2	9.6	9.1	8.6	7.9	7.0	6.4	6.3	6.0	5.6	5.3	3.9	960.5
92,5°	9.7	9.1	8.4	7.8	7.3	6.5	6.1	6.1	5.9	5.6	5.6	3.6	964.1
95,0°	9.8	9.2	8.5	8.2	7.6	6.9	6.3	6.4	6.1	6.0	5.9	3.5	967.6
97,5°	9.7	9.0	8.6	8.2	7.7	7.0	6.6	6.2	6.2	6.1	6.0	3.4	971.0
100,0°	9.3	8.9	8.5	8.1	7.6	6.9	6.6	6.3	6.0	6.1	6.0	3.3	974.3
102,5°	8.7	8.3	7.9	7.5	7.0	6.6	6.1	6.0	5.6	5.5	5.6	3.0	977.3
105,0°	8.3	7.8	7.4	7.0	6.6	6.1	5.6	5.5	5.2	4.8	4.9	2.8	980.2
107,5°	7.5	7.2	6.8	6.4	6.0	5.5	5.1	4.9	4.5	4.2	4.3	2.6	982.8
110,0°	7.1	6.7	6.3	5.9	5.5	4.9	4.5	4.4	4.1	3.9	3.5	2.4	985.2
112,5°	6.8	6.3	5.9	5.6	5.2	4.8	4.4	4.1	4.0	3.3	2.4	2.3	987.5

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>LATERNE CLASSIC LED</b>	<b>Bestell-Nr.: 5XA5245LF14H + 5XA54000XSA</b> <b>EAN: 4058352834596 + 4058352161326</b>	<b>LP-Nummer</b> <b>59286_21</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

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°
$\gamma$	Lichtstärke in cd/klm												
115,0°	9.2	9.7	10.3	10.7	11.2	11.5	11.8	11.6	11.4	11.4	11.5	11.7	11.9
117,5°	8.7	9.3	9.8	10.3	10.7	11.1	11.3	11.1	10.9	10.9	11.1	11.3	11.5
120,0°	8.5	9.0	9.5	9.9	10.2	10.6	10.7	10.5	10.4	10.4	10.7	10.9	11.1
122,5°	8.0	8.6	9.1	9.4	9.7	10.1	10.3	10.0	9.9	10.0	10.3	10.4	10.6
125,0°	6.4	6.8	7.1	7.4	7.6	7.9	8.0	7.8	7.8	7.8	8.0	8.1	8.3
127,5°	4.5	4.7	4.9	5.0	5.1	5.3	5.3	5.3	5.2	5.2	5.2	5.3	5.4
130,0°	3.4	3.5	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.6	3.6
132,5°	2.9	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0
135,0°	2.5	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.5	2.5
137,5°	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.9
140,0°	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3
142,5°	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9
145,0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.6	0.6
147,5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.7
150,0°	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
152,5°	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
155,0°	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
157,5°	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
160,0°	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
162,5°	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
165,0°	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
167,5°	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
170,0°	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
172,5°	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
175,0°	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
177,5°	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
180,0°	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

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>LATERNE CLASSIC LED</b>	<b>Bestell-Nr.: 5XA5245LF14H + 5XA54000XSA</b> <b>EAN: 4058352834596 + 4058352161326</b>	<b>LP-Nummer</b> <b>59286_21</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

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°
$\gamma$	Lichtstärke in cd/klm												
115,0°	12.1	12.4	12.6	12.8	10.5	4.6	8.7	8.1	7.7	7.4	7.3	7.3	7.0
117,5°	11.7	11.9	12.1	12.3	9.2	4.3	8.3	7.8	7.3	7.0	6.9	7.0	6.7
120,0°	11.2	11.4	11.6	11.7	7.8	3.4	8.0	7.5	7.1	6.7	6.7	6.8	6.4
122,5°	10.8	11.0	11.1	11.2	6.9	3.0	7.6	7.2	6.8	6.4	6.2	6.4	6.1
125,0°	8.5	8.7	8.8	8.7	5.4	2.7	6.0	5.6	5.3	5.1	4.9	5.0	4.8
127,5°	5.5	5.6	5.6	5.6	3.5	1.9	4.2	4.0	3.8	3.7	3.6	3.5	3.5
130,0°	3.7	3.7	3.7	3.4	2.3	1.5	3.2	3.1	3.0	3.0	2.8	2.7	2.8
132,5°	3.1	3.1	3.1	2.7	1.9	1.3	2.8	2.7	2.6	2.6	2.5	2.5	2.5
135,0°	2.5	2.5	2.5	2.1	1.6	1.2	2.4	2.4	2.3	2.2	2.1	2.1	2.1
137,5°	1.9	1.9	1.9	1.6	1.1	1.0	1.9	1.9	1.8	1.8	1.8	1.8	1.8
140,0°	1.3	1.3	1.3	1.1	0.9	0.8	1.5	1.4	1.4	1.4	1.4	1.4	1.4
142,5°	0.9	0.9	0.8	0.8	0.6	0.6	1.0	1.0	1.1	1.1	1.1	1.1	1.1
145,0°	0.6	0.6	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	1.0	1.0
147,5°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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	0.0	0.0	0.0
152,5°	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
155,0°	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
157,5°	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
160,0°	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
162,5°	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
165,0°	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
167,5°	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
170,0°	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
172,5°	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
175,0°	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
177,5°	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
180,0°	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

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>LATERNE CLASSIC LED</b>	<b>Bestell-Nr.: 5XA5245LF14H + 5XA54000XSA</b> <b>EAN: 4058352834596 + 4058352161326</b>	<b>LP-Nummer</b> <b>59286_21</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

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
$\gamma$	Lichtstärke in cd/klm											Lichtstrom in lm/klm	
115,0°	6.6	6.1	5.8	5.4	5.1	4.7	4.3	4.0	3.8	3.1	1.9	2.1	989.6
117,5°	6.2	5.9	5.5	5.2	4.8	4.5	4.1	3.8	3.5	2.7	1.9	2.0	991.6
120,0°	6.1	5.7	5.4	5.1	4.8	4.4	4.1	3.8	3.4	2.4	1.8	1.9	993.5
122,5°	5.8	5.4	5.1	4.8	4.6	4.2	3.9	3.6	3.2	2.3	1.7	1.7	995.2
125,0°	4.5	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.5	1.9	1.6	1.3	996.6
127,5°	3.3	3.2	3.1	2.8	2.7	2.6	2.5	2.3	2.0	1.6	1.4	0.9	997.4
130,0°	2.7	2.6	2.6	2.5	2.4	2.3	2.1	2.0	1.7	1.5	1.4	0.6	998.1
132,5°	2.4	2.4	2.3	2.3	2.2	2.1	2.0	1.9	1.6	1.5	1.3	0.5	998.6
135,0°	2.1	2.1	2.0	2.0	1.9	1.8	1.8	1.7	1.5	1.3	1.2	0.4	999.0
137,5°	1.8	1.7	1.7	1.7	1.6	1.5	1.5	1.4	1.3	1.2	1.1	0.3	999.3
140,0°	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.0	1.0	0.2	999.6
142,5°	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.2	999.7
145,0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	999.9
147,5°	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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	0.0	0.0	1000.0
152,5°	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
155,0°	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
157,5°	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
160,0°	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
162,5°	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
165,0°	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
167,5°	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
170,0°	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
172,5°	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
175,0°	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
177,5°	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
180,0°	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



## Lichttechnischer Prüfbefund

<b>Familie</b> <b>LATERNE CLASSIC LED</b>	<b>Bestell-Nr.: 5XA5245LF14H + 5XA54000XSA</b> <b>EAN: 4058352834596 + 4058352161326</b>	<b>LP-Nummer</b> <b>59286_21</b>
<b>Dimmstufen-Tabelle</b>		<b>Umgebungstemperatur: 25°C</b>
<b>siteco</b>		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	950	10.0	10.4	10.2
95	241	252	901	9.5	9.9	9.7
90	229	250	856	9.0	9.3	9.2
85	216	248	808	8.5	8.8	8.6
80	203	246	759	8.0	8.3	8.2
75	190	243	711	7.6	7.7	7.6
70	178	241	666	7.1	7.3	7.2
65	165	238	617	6.6	6.8	6.7
60	152	235	569	6.1	6.4	6.2
55	140	232	524	5.7	5.9	5.8
50	127	229	475	5.3	5.5	5.4
45	114	225	426	4.8	5.0	4.9
40	102	221	381	4.4	4.6	4.5
35	89	216	333	4.0	4.1	4.0
30	76	210	284	3.6	3.7	3.6
30	75	209	281	3.5	3.7	3.6