

## Lichttechnischer Prüfbefund

Familie  
**LATERNE CLASSIC LED**

Bestell-Nr.: **5XA5245MF14H + 5XA54000XS**  
EAN: **4058352834633 + 4050737730073**

LP-Nummer  
**59105\_29**



**Ausführung** Mastaufsatz- oder Montage am Wandausleger, Spreader-Element, strukturiert  
**Optik** asymmetrisch, breit strahlend (ST1.2a)  
**Abdeckung** Abdeckung klar, PMMA  
**Bestückung** LED 2700 K | CRI ≥ 70  
**Betriebsgerät** EVG SITECO iQ  
**Bemessungswerte** Nettolichtstrom = 1300 lm  
Systemleistung = 11.8 W  
Lichtausbeute = 110.2 lm/W

Seriendokumentation  
**04.11.2022**

siteco

Lichtstärke in cd/klm

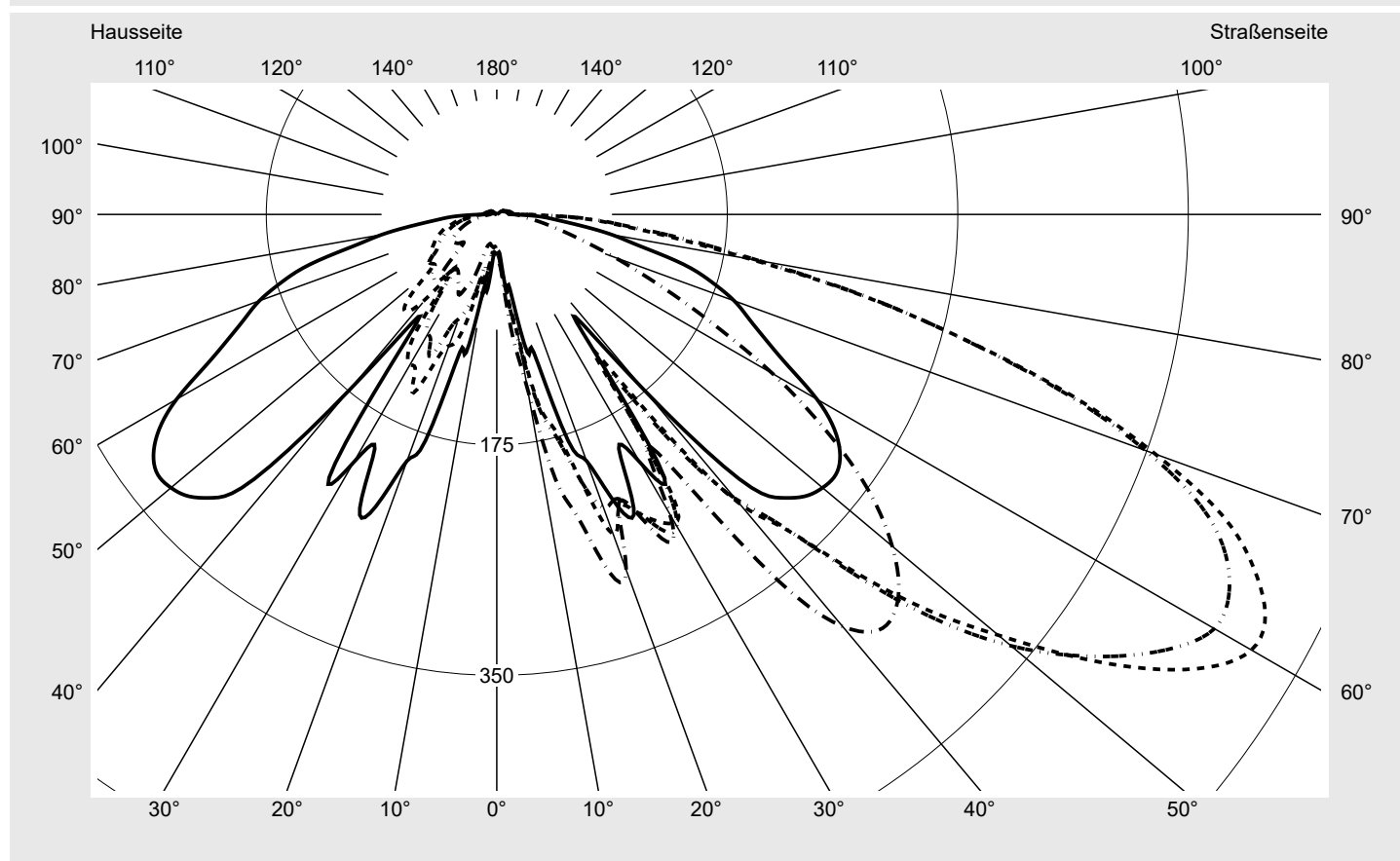
C180-0

C205-25

C210-30

C270-90

Imax: **662 cd/klm**



**Leuchtenbetriebswirkungsgrade**

Eta	100.0%
Eta 0° - 90°	97.2%
Eta 90° - 180°	2.8%

**Lichtstärkeklasse nach EN13201-2**

Klasse:	---
Imax 70°	532.1
Imax 80°	201.9
Imax 90°	20.2
Imax >90°	12.6
Imax >95°	11.3

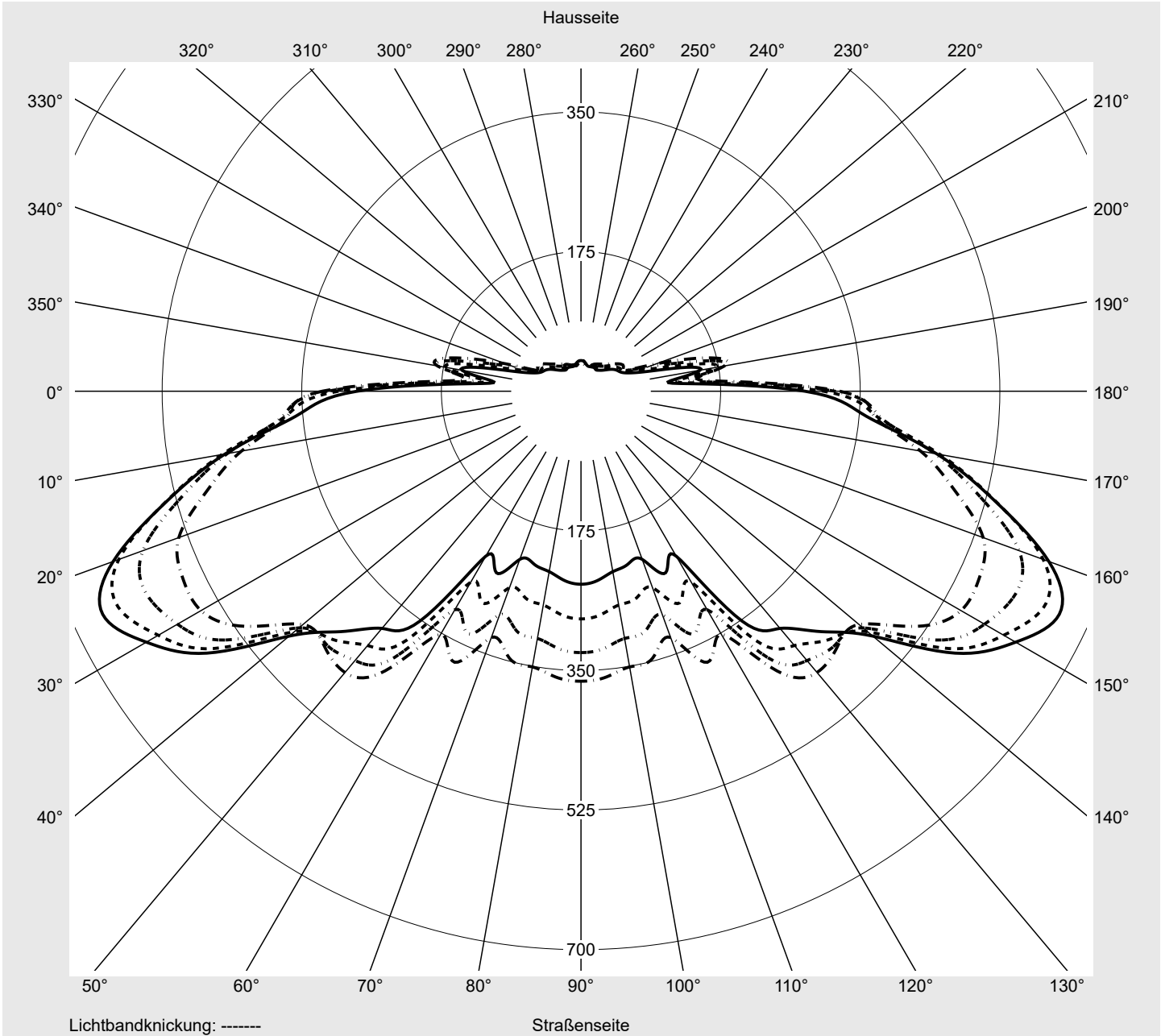
**Messbedingungen**

DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

<b>Familie</b> <b>LATERNE CLASSIC LED</b>	<b>Bestell-Nr.: 5XA5245MF14H + 5XA54000XS</b> <b>EAN: 4058352834633 + 4050737730073</b>	<b>LP-Nummer</b> <b>59105_29</b>
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**Kegelmantelkurven in cd/klm**    **KMK 60°**    **KMK 57,5°**    **KMK 55°**    **KMK 52,5°**    **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°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
2,5°	29.3	29.3	29.9	30.2	30.2	30.9	31.2	31.8	32.8	33.7	34.7	35.0	35.6
5,0°	34.3	35.9	37.2	38.1	40.0	41.9	43.8	45.4	46.0	46.6	46.6	46.6	47.9
7,5°	59.2	62.4	63.6	63.0	63.3	64.6	66.8	69.6	72.5	73.1	72.8	70.3	67.4
10,0°	57.6	62.4	69.9	80.0	92.9	95.8	102.4	109.3	118.4	126.6	128.2	122.5	112.5
12,5°	107.4	107.7	114.7	127.6	141.8	148.7	152.8	159.1	160.3	155.6	155.6	145.9	143.0
15,0°	108.4	133.3	157.5	178.0	175.8	168.5	174.8	189.3	202.6	209.2	206.7	197.8	185.2
17,5°	180.2	187.4	186.2	203.2	218.3	211.4	211.7	222.7	227.4	230.6	232.5	223.0	211.1
20,0°	199.1	214.5	225.9	240.7	253.6	258.6	236.9	232.2	235.6	226.2	237.8	223.4	209.2
22,5°	240.0	252.0	254.2	256.1	255.5	241.6	234.1	224.3	236.3	224.0	244.1	233.7	217.1
25,0°	246.0	250.1	244.8	247.6	251.7	248.6	245.7	232.5	255.8	244.5	270.0	264.9	240.0
27,5°	200.7	212.0	228.1	244.5	253.9	262.4	269.3	249.8	276.9	256.1	284.5	272.8	243.5
30,0°	217.4	244.5	257.1	267.1	269.3	270.3	273.4	251.1	279.4	253.9	279.4	259.9	228.4
32,5°	236.9	253.6	256.4	252.0	245.4	235.6	225.2	185.5	222.1	199.1	234.4	234.7	222.1
35,0°	144.0	124.4	109.0	102.4	111.5	127.0	144.3	130.1	188.1	172.0	214.8	222.7	230.9
37,5°	98.0	108.7	125.1	147.1	173.9	199.7	217.7	208.5	242.6	224.9	274.1	260.2	250.1
40,0°	174.2	196.3	222.4	254.5	278.2	286.4	281.6	274.1	293.6	296.1	327.0	301.5	281.9
42,5°	272.5	289.5	311.2	332.4	331.4	323.5	321.3	321.0	348.1	364.5	385.3	363.2	339.0
45,0°	304.3	330.5	353.8	372.0	380.2	383.4	390.9	376.8	411.4	416.1	445.1	422.4	388.1
47,5°	316.9	350.0	387.2	412.7	436.0	445.4	457.7	427.2	444.8	435.7	463.1	441.0	396.0
50,0°	322.9	363.2	417.4	453.6	484.2	497.1	509.7	472.9	453.3	448.9	469.4	442.6	380.9
52,5°	324.5	369.8	432.2	486.1	536.5	551.3	550.0	513.8	454.9	453.9	460.2	427.8	351.9
55,0°	318.2	376.8	450.2	520.1	584.4	601.1	584.1	543.7	461.5	450.2	440.7	407.3	316.3
57,5°	304.0	373.3	457.1	540.0	616.5	640.1	611.8	562.3	469.1	440.1	416.1	380.9	276.3
60,0°	280.7	358.8	453.0	539.3	624.1	661.5	629.1	572.4	477.6	426.2	388.1	351.6	238.8
62,5°	249.5	335.8	430.6	518.5	605.8	657.8	626.6	566.1	476.6	408.6	361.3	321.3	200.7
65,0°	225.6	308.1	402.6	481.7	569.9	633.8	610.5	547.5	464.3	384.0	333.9	289.8	171.7
67,5°	207.3	291.7	376.8	445.8	526.1	595.7	578.7	513.5	436.9	356.0	304.9	259.9	143.0
70,0°	191.8	270.3	345.0	398.5	464.7	532.1	524.2	461.5	392.2	317.2	272.2	227.1	129.8
72,5°	171.4	243.8	307.1	352.8	407.6	458.0	453.3	398.2	335.8	268.1	229.3	198.8	103.3
75,0°	147.1	205.7	255.2	293.0	331.7	368.9	367.9	325.7	273.1	217.7	188.4	165.7	88.5
77,5°	111.8	158.8	196.3	226.5	256.4	283.8	285.7	252.6	212.0	170.4	150.9	140.8	79.4
80,0°	88.8	119.1	144.0	163.5	180.5	195.6	201.9	184.0	157.8	130.4	113.1	108.7	60.8
82,5°	63.3	84.4	102.4	115.6	127.0	135.5	144.6	136.1	119.7	98.0	81.0	76.9	43.2
85,0°	44.4	57.0	69.0	78.4	86.0	93.9	98.0	95.8	85.4	69.3	57.3	52.9	33.7
87,5°	30.9	40.3	47.6	54.8	59.2	62.4	66.5	66.2	58.9	49.5	41.9	39.4	27.1
90,0°	11.7	12.6	14.2	15.1	16.1	17.0	18.9	19.8	20.2	19.2	18.9	19.8	16.1
92,5°	9.8	10.1	10.7	11.3	12.0	12.0	12.0	12.0	11.7	11.7	11.7	11.7	10.7
95,0°	9.1	10.1	10.1	10.7	11.3	11.3	11.3	11.0	11.3	11.0	11.0	10.7	10.4
97,5°	8.8	9.5	10.1	10.1	10.7	10.7	10.7	10.7	10.7	10.7	10.4	10.4	10.1
100,0°	8.2	8.8	9.5	9.5	9.8	10.1	10.1	10.1	10.1	10.1	9.8	9.8	9.5
102,5°	7.9	8.2	8.8	8.8	8.8	9.5	9.5	9.5	9.1	9.1	9.1	9.1	8.8
105,0°	7.2	7.6	8.2	8.2	8.2	8.2	8.8	8.5	8.5	8.5	8.5	8.8	8.8
107,5°	6.6	6.9	7.2	7.6	7.6	7.9	8.2	8.2	7.9	7.9	8.2	8.2	8.2
110,0°	6.3	6.3	6.9	6.9	7.6	7.6	7.6	7.6	7.2	7.6	7.6	7.6	7.6
112,5°	5.7	6.3	6.3	6.9	6.9	6.9	7.2	6.9	6.9	6.9	6.9	6.9	6.9

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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°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
2,5°	35.9	36.2	36.5	36.5	36.9	36.5	28.7	28.4	28.0	27.7	27.7	27.4	27.1
5,0°	50.1	51.0	50.1	50.4	49.8	49.1	33.4	32.4	31.8	30.9	30.2	29.6	29.3
7,5°	68.7	74.3	81.0	85.7	92.3	94.5	54.5	49.1	42.2	38.1	34.0	31.5	30.2
10,0°	100.5	101.8	118.4	128.2	131.7	134.8	57.6	59.5	63.3	64.3	61.7	51.0	39.1
12,5°	140.8	150.0	172.6	192.2	204.1	206.0	86.0	93.2	69.3	59.2	45.7	39.4	43.5
15,0°	190.6	189.0	204.1	232.8	241.6	238.2	92.6	81.0	76.2	74.3	74.7	59.2	68.7
17,5°	222.4	222.7	237.2	272.5	284.5	285.4	151.8	99.5	121.0	105.8	100.2	75.3	75.6
20,0°	232.2	227.4	229.3	267.5	285.1	287.3	168.9	117.8	143.7	122.2	106.2	84.4	80.0
22,5°	242.3	228.4	206.3	230.3	239.1	241.3	204.5	130.1	153.1	137.4	119.4	95.1	81.9
25,0°	258.9	244.1	223.7	247.3	250.8	248.9	207.6	129.8	174.2	161.3	149.3	118.8	96.7
27,5°	264.9	255.2	241.0	269.0	278.8	280.4	152.5	94.8	161.3	144.6	134.2	109.0	90.4
30,0°	245.7	235.3	222.1	245.7	258.6	262.7	155.9	92.3	157.5	141.8	131.7	104.6	85.1
32,5°	218.0	209.8	207.6	226.8	218.0	212.3	176.1	96.7	155.9	135.1	125.4	97.7	76.9
35,0°	253.9	228.1	218.9	247.0	246.0	243.8	122.2	101.1	131.1	114.0	101.4	79.1	66.8
37,5°	287.9	248.2	258.0	320.7	343.1	349.7	87.6	77.5	80.0	69.6	61.1	51.7	46.6
40,0°	336.4	308.1	333.6	388.7	401.7	408.3	134.8	95.1	112.8	95.1	83.5	62.1	48.5
42,5°	397.2	355.7	378.0	414.3	424.0	428.4	182.4	127.9	161.3	127.3	99.9	69.0	61.7
45,0°	431.3	376.1	397.9	416.8	424.3	427.2	185.5	149.3	184.0	138.3	98.9	68.0	71.2
47,5°	429.4	370.2	392.8	404.2	411.7	413.9	178.6	161.3	179.9	128.5	84.4	68.0	73.1
50,0°	408.0	354.1	373.6	381.2	389.4	391.9	164.8	173.3	170.4	111.5	66.2	61.4	65.2
52,5°	374.9	328.6	346.5	350.9	359.8	363.5	155.3	182.7	161.3	100.5	62.4	61.4	59.5
55,0°	335.5	298.3	311.2	314.7	323.8	327.6	141.1	182.1	142.4	88.5	62.1	62.7	58.0
57,5°	292.7	262.1	268.4	272.2	281.3	285.4	125.7	171.1	121.9	76.2	58.0	56.7	52.6
60,0°	251.1	224.3	224.9	229.7	238.2	241.9	115.0	151.5	104.0	67.4	56.1	52.3	47.9
62,5°	211.7	186.2	182.7	187.1	193.1	195.3	104.3	128.8	88.8	62.4	55.1	50.4	45.0
65,0°	179.2	154.0	146.8	149.6	155.0	155.6	95.5	110.3	78.4	58.9	52.6	47.3	41.9
67,5°	150.3	125.1	115.9	117.2	119.7	121.6	85.7	97.3	71.5	55.8	50.4	44.1	38.4
70,0°	126.3	101.8	91.7	91.7	92.9	95.1	85.1	88.2	65.8	53.9	47.6	41.6	35.9
72,5°	104.3	81.3	70.9	69.3	71.2	72.5	74.0	80.0	58.6	50.4	44.1	37.8	32.8
75,0°	86.6	65.5	55.8	53.6	54.8	56.1	66.5	69.0	50.7	46.6	40.6	34.7	29.6
77,5°	73.7	52.0	43.2	40.6	41.9	43.5	55.8	55.8	42.8	40.3	35.3	30.9	26.5
80,0°	57.3	41.3	34.3	32.1	32.8	34.0	45.7	45.7	36.9	35.0	31.5	27.4	23.6
82,5°	41.3	31.8	27.1	25.2	25.2	25.8	35.9	35.0	29.3	28.4	25.2	22.7	19.8
85,0°	32.4	25.8	22.1	20.8	20.8	20.8	27.1	26.1	23.6	22.7	20.5	18.3	16.4
87,5°	26.8	22.1	19.5	18.0	17.6	17.6	20.8	19.5	19.2	17.6	16.1	14.8	13.2
90,0°	17.6	15.4	14.5	13.9	13.9	13.9	10.4	10.4	9.8	9.5	8.8	8.5	8.2
92,5°	11.3	11.7	12.0	12.0	12.6	12.6	8.8	8.8	8.5	8.2	7.9	7.9	7.6
95,0°	10.7	11.0	11.3	11.7	12.0	12.0	8.8	8.8	8.5	8.2	7.9	7.6	7.6
97,5°	10.7	10.7	10.7	11.3	11.3	11.3	8.2	8.2	8.2	7.9	7.6	7.6	7.6
100,0°	10.1	10.1	10.4	10.7	10.7	10.7	8.2	7.6	7.6	7.6	7.6	7.6	6.9
102,5°	9.5	9.5	9.5	9.8	10.1	10.1	7.6	6.9	6.9	6.9	6.9	6.9	6.3
105,0°	8.8	8.8	8.8	9.1	9.5	8.8	6.9	6.9	6.3	6.3	6.3	6.0	5.7
107,5°	8.2	8.2	8.5	8.8	8.8	8.2	6.3	6.0	5.7	5.7	5.7	5.4	5.0
110,0°	7.6	7.9	8.2	8.2	8.2	7.6	5.7	5.7	5.4	5.0	5.0	5.0	5.0
112,5°	7.6	7.6	7.6	7.6	6.9	4.4	5.7	5.4	5.0	5.0	5.0	5.0	5.0

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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°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	0.0	0.0
2,5°	27.1	26.8	26.8	26.1	25.8	25.5	25.2	25.2	24.9	24.6	24.6	0.4	0.4
5,0°	28.7	28.0	27.1	26.5	26.1	25.8	25.5	25.5	25.2	24.9	25.2	0.9	1.3
7,5°	29.3	28.4	27.4	26.1	25.5	25.2	25.2	24.6	24.6	24.6	24.6	1.9	3.1
10,0°	32.1	29.3	27.7	26.5	25.8	25.2	24.6	24.3	23.9	23.9	23.9	3.4	6.6
12,5°	50.1	51.3	42.5	30.6	27.4	25.8	24.9	24.3	23.6	23.0	22.7	5.9	12.4
15,0°	66.5	57.0	64.0	69.0	58.6	41.6	29.9	26.1	24.9	23.6	23.9	8.8	21.2
17,5°	74.0	67.1	59.2	52.3	46.3	48.2	53.2	50.1	33.1	30.6	30.2	12.3	33.6
20,0°	73.7	64.9	59.5	57.6	57.6	52.6	48.2	44.7	37.2	44.7	52.3	15.0	48.6
22,5°	71.8	63.0	57.3	55.8	57.6	57.0	56.1	55.4	47.3	52.9	59.2	17.2	65.8
25,0°	78.8	63.6	56.7	56.4	60.2	60.8	64.6	65.8	59.9	64.3	67.4	20.3	86.1
27,5°	75.0	65.2	59.5	60.5	63.0	63.6	65.2	63.3	56.4	59.9	62.4	22.0	108.0
30,0°	73.1	65.8	61.4	60.2	61.4	62.4	62.7	58.6	52.6	56.1	58.6	23.6	131.7
32,5°	74.7	71.5	68.0	65.8	65.5	62.1	58.3	54.5	49.5	52.6	54.2	23.3	155.0
35,0°	65.5	67.7	67.1	69.3	70.3	65.8	60.2	54.5	48.5	50.1	51.7	20.5	175.5
37,5°	52.0	56.7	60.5	64.6	66.8	64.3	59.5	56.1	49.5	49.1	52.3	24.3	199.8
40,0°	43.2	40.3	46.9	52.3	59.2	60.2	59.2	55.8	51.7	54.2	59.9	32.4	232.2
42,5°	54.8	42.5	37.2	38.4	46.0	48.8	52.0	52.0	51.7	56.7	62.4	40.3	272.5
45,0°	64.3	51.7	43.2	39.7	38.7	37.2	39.4	42.2	43.5	46.9	50.4	46.3	318.8
47,5°	65.2	54.2	46.9	41.9	38.4	35.0	32.8	33.4	34.3	35.9	37.2	50.2	369.0
50,0°	59.2	52.0	46.6	42.8	40.6	36.5	33.1	31.2	30.9	32.1	32.8	52.8	421.8
52,5°	53.2	48.2	44.4	41.6	39.4	36.9	34.0	33.4	32.4	35.0	35.9	54.7	476.5
55,0°	50.7	44.7	41.0	38.7	38.7	36.9	35.0	34.3	34.3	37.5	37.8	55.8	532.3
57,5°	46.9	41.3	37.8	35.9	36.9	35.6	34.3	34.3	35.0	38.1	39.1	55.6	588.0
60,0°	41.9	37.2	34.3	32.8	33.7	33.4	32.8	32.8	35.0	37.8	38.4	54.4	642.4
62,5°	39.1	34.3	31.5	29.9	31.2	30.6	30.6	31.2	33.7	35.9	36.5	52.0	694.4
65,0°	36.5	31.8	29.6	27.7	28.7	28.0	28.0	28.7	32.1	33.4	34.0	48.9	743.4
67,5°	33.7	29.9	27.7	25.8	26.5	26.1	25.8	26.1	29.6	30.9	30.9	45.5	788.9
70,0°	31.5	27.4	25.5	23.6	24.3	23.6	23.3	23.9	26.8	27.7	27.7	41.3	830.1
72,5°	28.4	24.9	23.0	21.7	22.1	21.1	20.8	21.1	23.6	24.3	24.6	36.2	866.3
75,0°	25.5	22.7	20.8	19.2	19.5	18.6	18.3	18.9	20.8	20.8	21.4	30.4	896.7
77,5°	23.0	20.2	18.3	17.3	17.0	16.1	15.8	16.4	17.6	17.6	17.6	24.3	921.0
80,0°	20.2	17.6	16.1	15.1	14.8	13.9	12.9	13.5	14.5	14.5	14.5	18.5	939.5
82,5°	17.3	15.1	13.9	12.9	12.3	11.7	10.4	11.0	11.3	11.3	11.3	13.7	953.3
85,0°	14.5	12.6	11.7	10.7	10.1	9.1	8.5	8.8	8.8	8.5	8.2	10.0	963.3
87,5°	12.0	10.7	9.5	8.8	8.2	7.6	6.9	6.9	6.9	6.9	6.3	7.4	970.6
90,0°	7.9	7.6	6.9	6.3	6.3	5.7	5.7	5.7	5.4	5.4	5.0	3.3	973.9
92,5°	7.6	6.9	6.6	6.3	6.3	5.7	5.7	5.7	5.7	5.4	5.7	2.5	976.5
95,0°	7.2	6.9	6.6	6.6	6.3	6.0	5.7	5.7	5.7	5.7	5.7	2.5	978.9
97,5°	6.9	6.6	6.9	6.6	6.3	5.7	5.7	5.7	5.4	5.7	5.7	2.4	981.3
100,0°	6.6	6.3	6.3	6.3	6.3	5.7	5.7	5.0	5.0	5.4	5.7	2.2	983.5
102,5°	6.0	6.3	5.7	5.7	5.7	5.0	5.0	4.7	4.4	4.4	4.4	2.0	985.5
105,0°	5.7	5.7	5.4	5.0	5.0	4.4	4.4	4.4	4.4	3.8	3.8	1.9	987.4
107,5°	5.0	5.0	4.7	4.4	4.4	4.1	3.8	3.8	3.5	3.2	3.2	1.7	989.1
110,0°	4.4	4.4	4.4	4.4	3.8	3.8	3.8	3.2	3.2	3.2	3.2	1.5	990.6
112,5°	4.4	4.4	4.4	3.8	3.8	3.8	3.2	3.2	3.2	2.5	2.5	1.4	992.0

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>LATERNE CLASSIC LED</b>	<b>Bestell-Nr.: 5XA5245MF14H + 5XA54000XS</b> <b>EAN: 4058352834633 + 4050737730073</b>	<b>LP-Nummer</b> <b>59105_29</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°	5.7	5.7	6.3	6.3	6.6	6.6	6.9	6.6	6.6	6.6	6.6	6.9	6.9
117,5°	5.0	5.7	5.7	5.7	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
120,0°	5.0	5.0	5.7	5.7	5.7	6.0	6.0	5.7	5.7	5.7	6.0	6.3	6.3
122,5°	5.0	5.0	5.4	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.0
125,0°	3.8	4.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.7	4.7
127,5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
130,0°	2.2	2.2	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
132,5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
135,0°	1.9	1.9	1.9	1.6	1.9	1.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
137,5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
140,0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.9	0.9	0.6	0.6	0.6	0.6
142,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
145,0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
147,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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.: 5XA5245MF14H + 5XA54000XS</b> <b>EAN: 4058352834633 + 4050737730073</b>	<b>LP-Nummer</b> <b>59105_29</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°
γ	Lichtstärke in cd/klm												
115,0°	6.9	6.9	7.6	7.6	6.0	2.5	5.0	5.0	5.0	4.7	4.7	4.7	4.4
117,5°	6.9	6.9	6.9	6.9	5.0	2.5	5.0	5.0	4.4	4.4	4.4	4.4	4.4
120,0°	6.3	6.3	6.3	6.3	4.4	1.9	5.0	4.4	4.4	4.4	4.4	4.4	4.4
122,5°	6.3	6.3	6.3	6.3	3.8	1.9	4.7	4.4	4.4	4.4	4.1	4.4	3.8
125,0°	5.0	5.0	5.0	5.0	3.2	1.9	3.8	3.8	3.8	3.2	3.2	3.2	3.2
127,5°	3.2	3.2	3.2	3.2	1.9	1.3	2.8	2.5	2.5	2.5	2.5	2.5	2.5
130,0°	1.9	1.9	2.2	1.9	1.3	0.6	1.9	1.9	1.9	1.9	1.9	1.9	2.2
132,5°	1.9	1.9	1.9	1.6	1.3	0.6	1.9	1.9	1.9	1.9	1.9	1.9	1.9
135,0°	1.3	1.3	1.3	1.3	0.6	0.6	1.9	1.9	1.9	1.9	1.9	1.9	1.9
137,5°	1.3	1.3	1.3	1.3	0.6	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.6
140,0°	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9	0.9	1.3	0.9
145,0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
147,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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.: 5XA5245MF14H + 5XA54000XS</b> <b>EAN: 4058352834633 + 4050737730073</b>	<b>LP-Nummer</b> <b>59105_29</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°	4.4	4.4	3.8	3.8	3.8	3.8	3.2	3.2	3.2	2.5	1.9	1.3	993.3
117,5°	4.4	4.1	3.8	3.8	3.8	3.2	3.2	3.2	3.2	2.5	1.9	1.2	994.6
120,0°	4.4	3.8	3.8	3.8	3.8	3.2	3.2	3.2	2.8	2.2	1.9	1.1	995.7
122,5°	3.8	3.8	3.8	3.8	3.2	3.2	3.2	3.2	2.5	1.9	1.9	1.1	996.8
125,0°	3.2	3.2	3.2	3.2	2.8	2.5	2.5	2.5	2.5	1.9	1.9	0.8	997.6
127,5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.9	1.9	1.6	1.3	0.6	998.2
130,0°	2.2	1.9	2.5	2.2	1.9	1.9	1.9	1.9	1.9	1.3	1.3	0.4	998.6
132,5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.6	1.3	1.3	0.4	998.9
135,0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.3	1.3	1.3	0.3	999.2
137,5°	1.3	1.3	1.3	1.3	1.6	1.3	1.3	1.3	1.3	1.3	1.3	0.2	999.5
140,0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.6	1.3	0.2	999.7
142,5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.9	0.6	0.6	0.1	999.8
145,0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.1	999.9
147,5°	0.6	0.6	0.6	0.6	0.9	0.9	0.6	0.9	0.6	0.6	0.6	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.: 5XA5245MF14H + 5XA54000XS</b> <b>EAN: 4058352834633 + 4050737730073</b>	<b>LP-Nummer</b> <b>59105_29</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	1300	11.8	12.1	12.0
95	241	252	1233	11.1	11.4	11.2
90	229	250	1172	10.6	10.8	10.7
85	216	248	1106	9.9	10.2	10.0
80	203	246	1039	9.3	9.6	9.4
75	190	243	972	8.7	9.0	8.8
70	178	241	911	8.2	8.4	8.3
65	165	238	844	7.6	7.7	7.6
60	152	235	778	7.0	7.2	7.1
55	140	232	717	6.5	6.6	6.6
50	127	229	650	6.0	6.1	6.0
45	114	225	583	5.4	5.6	5.5
40	102	221	522	5.0	5.1	5.0
35	89	216	456	4.5	4.6	4.6
30	76	210	389	4.0	4.0	4.0
26	65	204	333	3.6	3.7	3.6