

Lichttechnischer Prüfbefund

Familie
LATERNE CLASSIC LED

Bestell-Nr.: **5XA5245BF14H + 5XA54000XS**
EAN: **4058352834459 + 4050737730073**

LP-Nummer
59286_17



Ausführung Mastaufsatz- oder Montage am Wandausleger, Spreader-Element, strukturiert
Optik asymmetrisch, extrem breit strahlend (P1.0a)
Abdeckung Abdeckung klar, PMMA
Bestückung LED 2200 K | CRI ≥ 70
Betriebsgerät EVG SITECO iQ
Bemessungswerte Nettolichtstrom = 1280 lm
Systemleistung = 12.9 W
Lichtausbeute = 99.2 lm/W

Seriendokumentation
08.07.2022

siteco

Lichtstärke in cd/klm

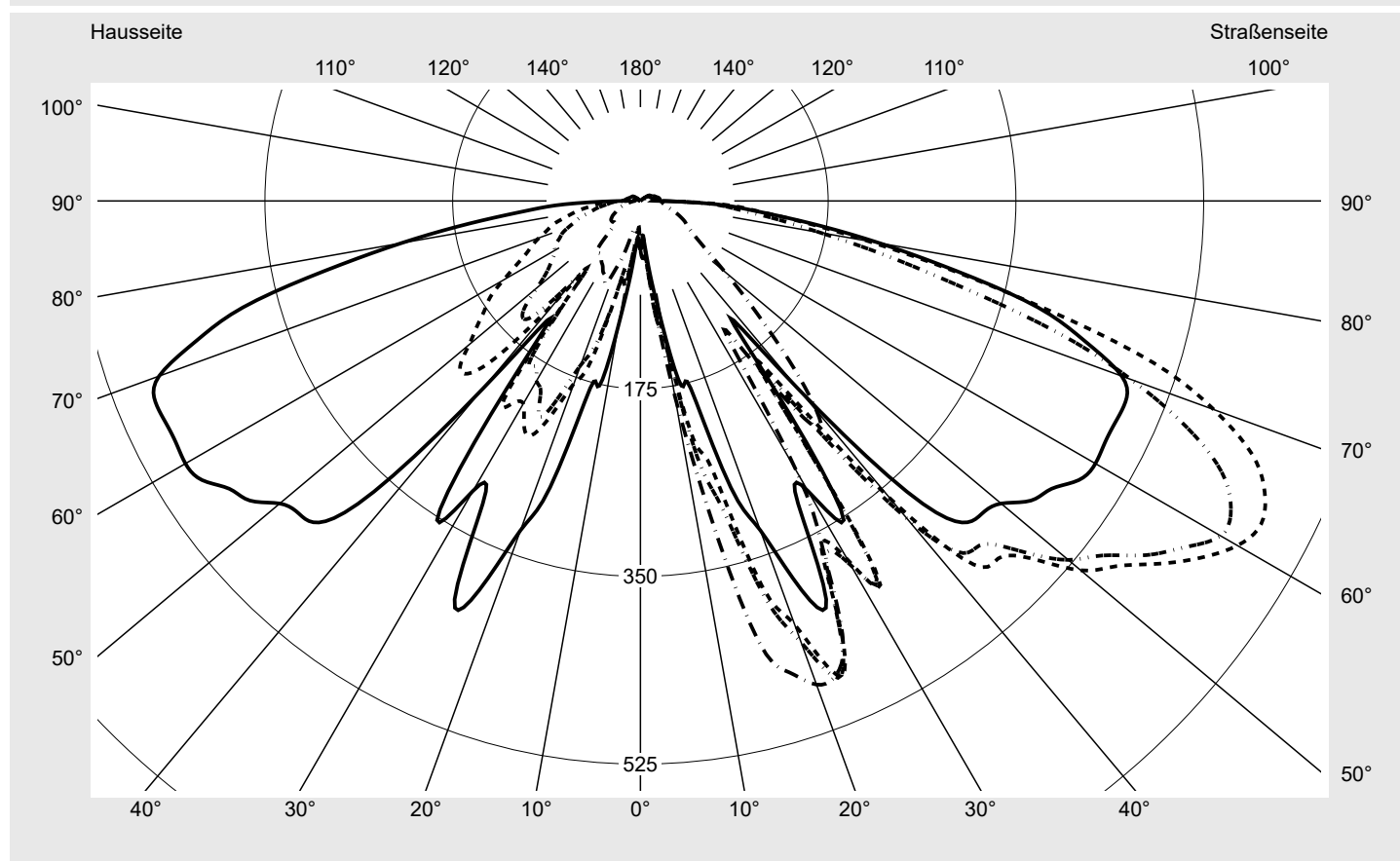
C180-0

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

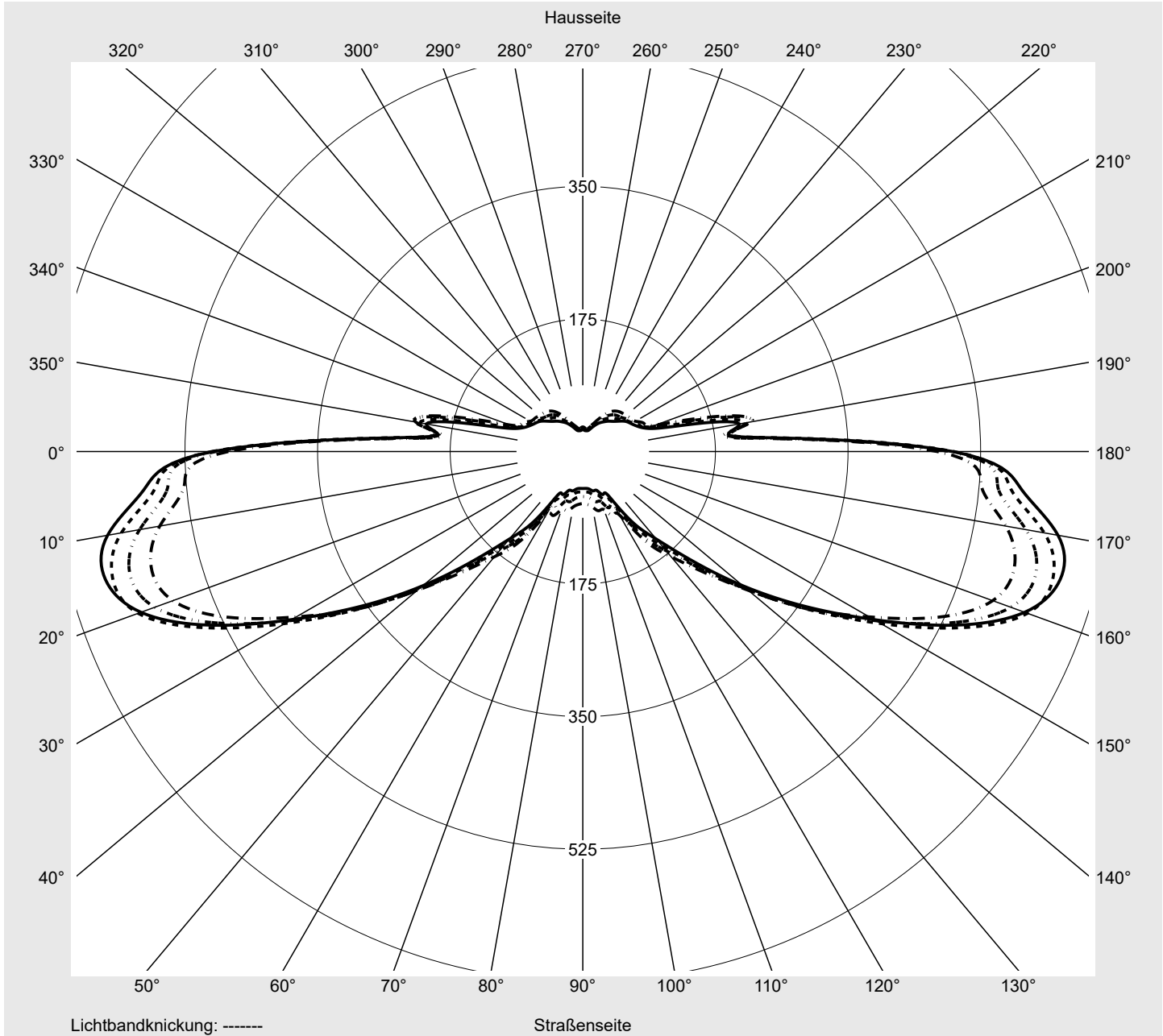
Messbedingungen

DIN EN 13032 und DIN 5032

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



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Familie LATERNE CLASSIC LED	Bestell-Nr.: 5XA5245BF14H + 5XA54000XS EAN: 4058352834459 + 4050737730073	LP-Nummer 59286_17
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°	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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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°	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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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		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°	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

Familie LATERNE CLASSIC LED	Bestell-Nr.: 5XA5245BF14H + 5XA54000XS EAN: 4058352834459 + 4050737730073	LP-Nummer 59286_17
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												
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

Familie LATERNE CLASSIC LED	Bestell-Nr.: 5XA5245BF14H + 5XA54000XS EAN: 4058352834459 + 4050737730073	LP-Nummer 59286_17
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												
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

Familie LATERNE CLASSIC LED	Bestell-Nr.: 5XA5245BF14H + 5XA54000XS EAN: 4058352834459 + 4050737730073	LP-Nummer 59286_17
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		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	
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

Familie LATERNE CLASSIC LED	Bestell-Nr.: 5XA5245BF14H + 5XA54000XS EAN: 4058352834459 + 4050737730073	LP-Nummer 59286_17
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	1280	12.9	13.3	13.1
95	241	252	1214	12.2	12.6	12.4
90	229	250	1154	11.5	11.9	11.7
85	216	248	1089	10.7	11.1	10.9
80	203	246	1023	10.1	10.5	10.3
75	190	243	957	9.4	9.8	9.6
70	178	241	897	8.9	9.1	9.0
65	165	238	831	8.2	8.4	8.3
60	152	235	766	7.6	7.8	7.7
55	140	232	706	7.0	7.2	7.1
50	127	229	640	6.4	6.6	6.5
45	114	225	574	5.8	6.0	5.9
40	102	221	514	5.3	5.4	5.4
35	89	216	449	4.8	4.9	4.8
30	76	210	383	4.3	4.3	4.3
25	63	203	317	3.7	3.8	3.8
24	60	201	302	3.5	3.7	3.6