

Lichttechnischer Prüfbefund

Familie
DL® 30 LED

Bestell-Nr.: 5XA5132S1B08A3
EAN: 4058352059494

LP-Nummer
57199_8



Ausführung	Mastaufsatz-Montage
Optik	asymmetrisch, extrem breit strahlend (P1.0a)
Abdeckung	Abdeckung PMMA, schlagfest, IK08
Bestückung	LED 4000 K CRI ≥ 70
Betriebsgerät	EVG Plus
Bemessungswerte	Nettolichtstrom = 2720 lm Systemleistung = 20.0 W Lichtausbeute = 136 lm/W

Seriendokumentation
18.11.2020

sitEco

Lichtstärke in cd/klm

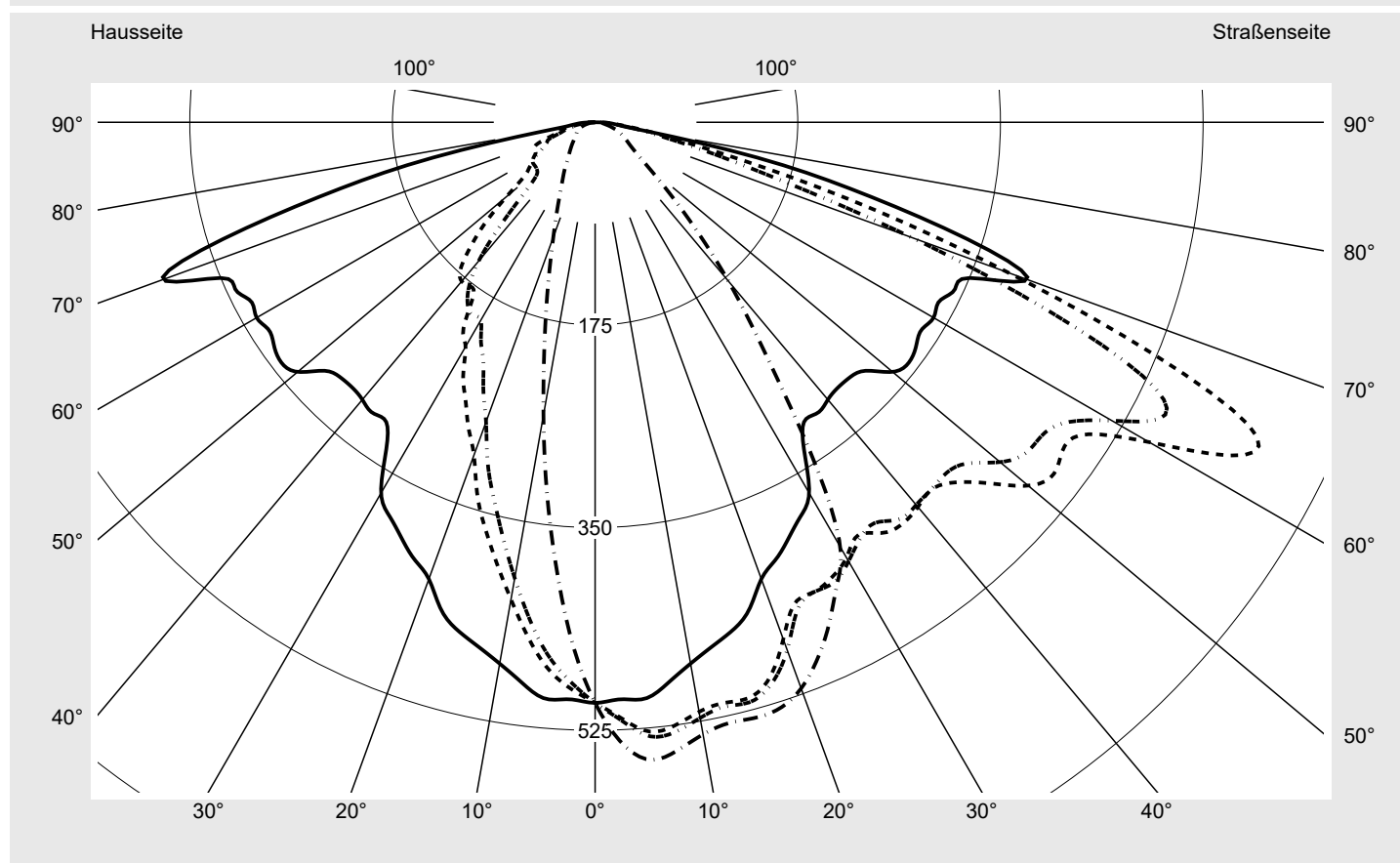
C180-0

C200-20

C205-25

C270-90

Imax: 625 cd/klm



Leuchtenbetriebswirkungsgrade

Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

Lichtstärkeklasse nach EN13201-2

Klasse:	G3
Imax 70°	563.0
Imax 80°	58.0
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Messbedingungen

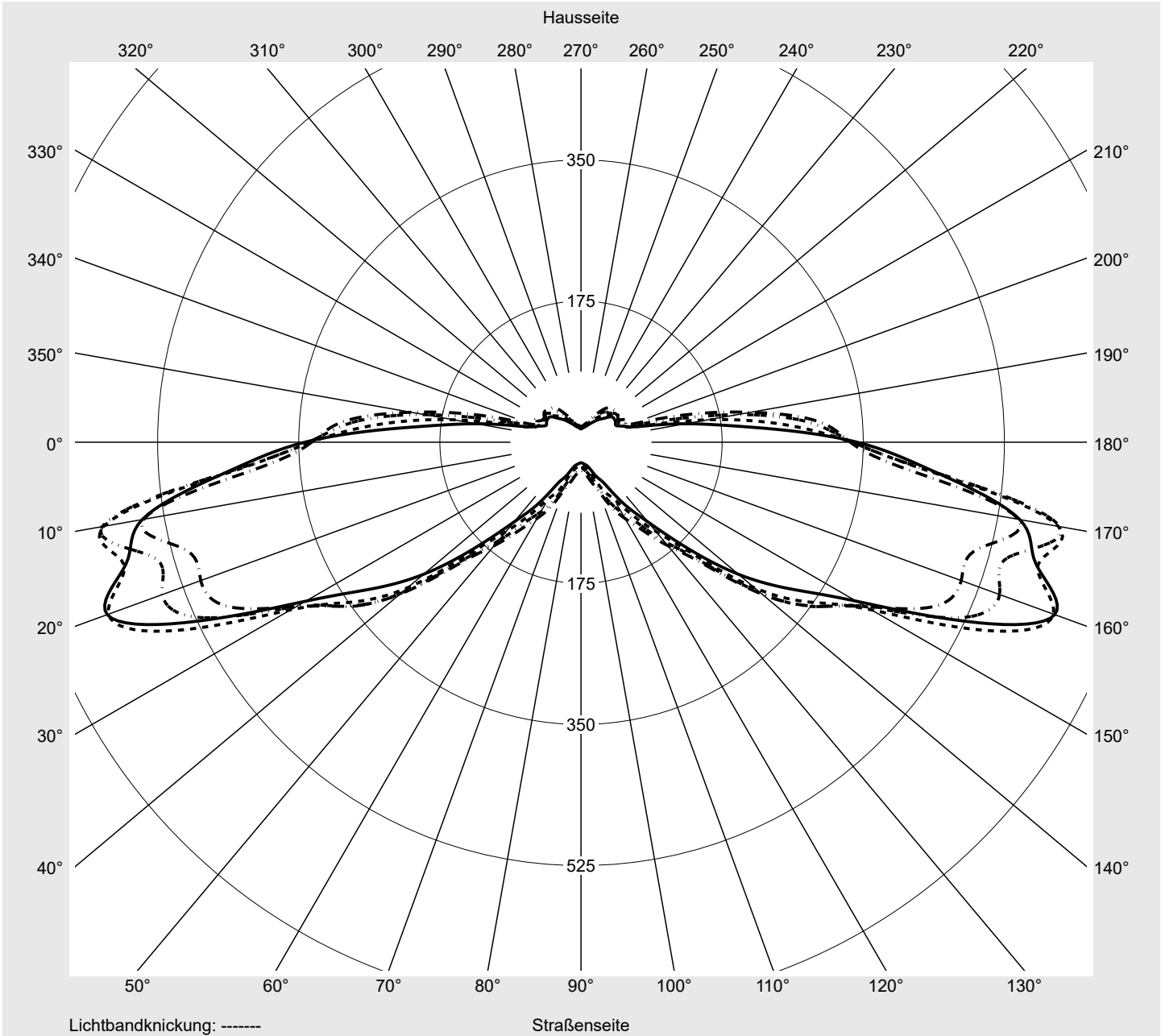
DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 65°** **KMK 62,5°** **KMK 60°** **KMK 57,5°**



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Familie DL® 30 LED	Bestell-Nr.: 5XA5132S1B08A3 EAN: 4058352059494	LP-Nummer 57199_8
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°	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4
2,5°	498.7	502.1	506.6	513.6	515.0	516.9	521.6	526.8	531.0	532.1	530.1	531.9	534.7
5,0°	499.5	506.3	514.6	524.4	528.0	532.0	538.4	544.5	550.2	551.9	550.3	551.6	553.4
7,5°	487.7	497.8	508.2	520.2	525.5	531.0	538.5	545.6	552.7	555.1	554.0	555.0	556.6
10,0°	474.7	486.4	498.7	511.2	517.0	522.3	529.1	535.5	543.4	546.7	547.1	549.3	551.2
12,5°	464.1	480.5	495.4	508.5	513.6	516.9	520.2	523.4	529.7	532.8	534.2	538.9	543.1
15,0°	455.0	474.9	492.4	507.5	514.5	518.2	519.0	518.6	521.6	522.9	523.0	528.9	535.7
17,5°	441.7	463.3	480.1	494.6	502.3	507.9	511.5	514.1	518.1	518.1	517.1	521.7	528.8
20,0°	419.7	439.3	454.2	466.9	475.1	485.0	493.2	501.6	510.4	514.5	512.7	514.7	519.0
22,5°	408.3	428.2	441.3	448.3	449.9	456.2	466.8	480.5	494.0	501.6	502.5	502.0	502.3
25,0°	395.8	418.4	435.2	445.6	447.4	447.5	449.2	458.3	473.3	480.0	482.0	479.7	474.1
27,5°	383.9	409.6	424.6	435.3	442.9	447.6	449.2	446.7	452.2	454.7	452.7	449.9	440.4
30,0°	369.6	392.1	410.4	424.7	434.1	437.7	438.5	436.4	434.2	428.1	421.1	415.7	401.5
32,5°	335.9	391.7	412.0	419.0	422.7	426.0	427.1	421.3	416.8	407.1	392.1	378.7	359.1
35,0°	315.1	383.4	425.8	437.6	432.9	422.1	418.8	416.2	407.1	389.9	364.3	339.8	315.3
37,5°	316.1	360.4	423.7	436.5	436.6	432.0	425.4	415.7	401.0	375.8	334.5	300.1	279.6
40,0°	312.7	351.9	414.4	427.4	433.7	431.3	423.0	414.5	386.2	353.7	308.4	265.3	248.3
42,5°	310.6	348.7	420.5	428.8	430.1	429.8	416.8	398.6	365.8	327.5	279.4	233.1	216.1
45,0°	311.3	360.6	437.8	445.1	439.8	428.6	408.9	388.8	346.3	298.2	248.6	207.9	188.9
47,5°	317.6	371.9	466.1	474.6	461.4	436.0	407.0	375.8	334.5	267.0	212.9	191.2	169.9
50,0°	335.3	393.8	486.7	499.2	488.2	456.5	413.4	368.6	318.7	244.6	185.9	172.9	151.4
52,5°	341.3	396.9	488.9	503.1	499.1	469.0	417.2	355.4	298.8	224.1	171.1	157.2	136.0
55,0°	338.2	401.2	503.8	490.3	493.1	471.2	415.3	353.1	293.4	215.6	167.8	144.0	119.8
57,5°	334.0	412.3	550.7	510.3	501.7	482.4	407.6	354.5	293.6	212.2	167.6	133.5	109.3
60,0°	337.5	445.2	602.9	549.6	552.4	515.2	407.8	355.5	291.3	206.3	160.1	122.0	99.8
62,5°	334.9	440.9	601.0	586.8	623.4	552.1	415.9	345.6	280.7	195.3	144.4	109.3	81.0
65,0°	342.5	444.8	552.5	584.2	625.2	525.3	394.4	317.3	254.7	184.5	129.0	94.4	61.3
67,5°	351.3	481.9	537.7	577.9	519.1	420.2	325.8	254.9	215.0	173.8	114.2	76.0	47.2
70,0°	397.0	523.4	563.0	516.5	380.3	291.1	231.7	180.7	169.6	144.1	94.6	59.9	35.9
72,5°	339.6	412.6	419.9	397.6	257.9	173.9	134.9	115.7	105.4	87.0	62.3	41.2	24.7
75,0°	242.4	258.2	248.0	209.9	150.8	107.1	87.8	80.4	64.3	50.9	34.9	24.7	17.8
77,5°	152.1	121.2	94.1	92.1	80.8	64.3	62.2	53.2	39.0	28.6	20.8	16.5	13.3
80,0°	50.3	43.6	48.2	58.0	49.6	41.3	37.0	29.7	21.9	17.6	14.9	12.4	10.6
82,5°	22.4	24.9	28.3	31.7	28.7	25.3	22.7	18.8	15.5	12.9	10.7	9.5	8.4
85,0°	16.0	16.6	17.5	18.0	17.4	15.8	14.7	13.5	11.2	9.7	8.3	7.4	6.7
87,5°	10.6	10.8	11.2	11.3	10.8	10.2	9.4	8.6	7.8	6.9	6.2	5.7	5.2
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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
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
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
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
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

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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°	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4
2,5°	536.7	539.3	542.8	543.0	538.5	536.9	497.9	497.4	494.9	489.3	483.7	478.2	476.1
5,0°	554.4	556.5	559.3	558.8	553.8	552.6	494.4	489.6	482.7	473.0	462.5	452.3	446.3
7,5°	556.0	556.5	557.4	555.2	548.8	546.9	480.1	472.0	460.9	447.4	433.0	419.4	409.5
10,0°	550.3	550.4	550.3	546.5	538.6	536.7	462.8	451.0	435.8	418.4	399.8	381.6	368.2
12,5°	543.7	544.7	545.2	541.2	533.9	531.5	449.1	432.5	412.9	390.9	367.4	345.1	327.7
15,0°	539.6	542.1	543.6	540.5	533.7	532.5	435.8	414.2	390.5	364.8	337.2	310.6	289.6
17,5°	533.8	536.9	538.6	536.4	531.8	530.6	419.2	393.9	366.2	338.0	308.5	279.9	255.8
20,0°	521.7	522.5	524.1	523.3	520.1	520.2	397.8	369.8	337.9	306.0	275.4	248.5	225.6
22,5°	500.0	498.7	501.9	503.5	501.8	501.6	385.9	357.5	322.7	285.7	252.1	227.9	207.3
25,0°	467.6	467.6	474.1	478.2	477.5	478.0	372.4	344.6	308.0	264.7	228.2	207.7	192.1
27,5°	430.1	433.4	444.1	450.0	451.1	451.7	354.4	323.7	287.1	246.8	213.5	193.6	179.3
30,0°	389.8	395.0	404.8	409.4	416.8	423.4	342.8	305.7	261.2	223.7	197.3	180.3	159.2
32,5°	347.4	350.0	350.1	352.4	357.3	359.9	296.8	264.0	220.4	211.8	197.1	167.1	129.7
35,0°	305.7	302.4	307.4	307.6	303.1	282.4	292.1	257.5	207.8	183.6	191.9	146.3	99.7
37,5°	271.1	267.2	268.9	263.9	253.3	224.1	290.2	248.3	200.5	178.2	179.0	117.6	83.1
40,0°	239.7	233.9	229.1	218.1	202.9	179.0	293.3	243.1	191.5	179.3	156.4	90.8	77.9
42,5°	208.4	201.0	190.1	174.1	158.1	138.1	289.3	237.2	182.5	172.1	121.7	75.5	75.9
45,0°	175.5	167.9	153.8	134.1	118.5	104.0	291.8	234.8	187.1	152.2	86.8	69.8	73.4
47,5°	148.7	138.9	123.3	103.2	89.3	77.7	296.8	228.7	191.3	128.8	69.4	66.9	69.5
50,0°	126.2	113.3	98.3	79.4	67.2	59.1	303.5	226.1	186.6	99.8	65.2	63.8	66.2
52,5°	108.3	91.2	78.8	62.2	52.8	47.0	304.7	222.4	175.7	77.6	64.3	60.9	62.3
55,0°	96.0	76.0	63.0	50.5	43.7	39.7	299.0	221.0	153.5	69.9	64.2	58.9	57.9
57,5°	88.1	64.4	51.8	42.4	37.6	34.9	295.3	213.9	128.6	64.5	63.9	55.7	55.8
60,0°	79.8	56.0	43.0	36.7	33.2	31.5	283.8	196.7	101.1	61.5	60.2	54.2	55.1
62,5°	66.9	46.3	35.8	31.8	29.5	28.2	252.2	160.2	77.0	57.9	52.9	53.0	53.9
65,0°	48.2	37.3	30.6	28.0	26.4	25.5	212.7	131.9	75.7	57.7	48.5	49.4	50.3
67,5°	34.0	28.9	25.9	24.5	23.4	22.8	220.9	136.3	90.9	57.3	45.0	44.1	44.1
70,0°	26.5	23.4	21.8	21.1	20.2	19.8	307.1	163.6	98.9	51.4	42.2	39.6	37.7
72,5°	20.1	18.2	18.0	17.8	16.8	16.1	312.8	165.0	83.1	39.6	33.0	32.6	31.8
75,0°	15.4	15.1	14.9	14.4	13.6	13.2	224.1	157.6	72.7	31.9	27.7	27.4	26.5
77,5°	12.6	12.1	11.6	11.0	10.4	10.2	95.9	110.8	94.6	31.0	22.0	21.6	21.1
80,0°	9.9	9.5	9.0	8.4	8.2	8.1	49.3	42.9	38.2	21.2	16.2	15.8	15.7
82,5°	8.0	7.5	7.2	6.9	6.7	6.5	21.0	18.5	16.3	14.1	12.5	11.9	11.4
85,0°	6.3	5.9	5.8	5.6	5.4	5.4	14.6	13.0	11.3	10.6	9.7	9.2	8.6
87,5°	4.8	4.6	4.5	4.4	4.3	4.4	10.0	9.1	8.1	7.1	6.5	6.0	5.7
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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
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
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
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
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

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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°	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	0.7	0.7
2,5°	475.7	472.9	467.5	460.8	459.8	457.7	452.8	450.0	448.4	449.8	450.2	6.0	6.7
5,0°	440.5	433.5	423.7	412.9	407.8	402.2	394.5	389.2	385.5	385.6	385.4	11.7	18.4
7,5°	400.8	390.6	377.9	364.2	356.0	346.9	336.3	328.3	322.3	320.7	320.3	16.7	35.1
10,0°	356.2	343.6	328.5	313.5	302.4	291.1	278.8	269.0	261.3	258.1	256.9	21.0	56.1
12,5°	312.3	297.4	281.0	265.6	253.2	240.2	226.7	215.8	207.7	204.3	203.1	24.7	80.8
15,0°	270.8	254.3	238.5	224.3	211.3	197.0	183.2	172.4	165.3	162.7	161.9	28.2	109.0
17,5°	234.3	216.2	200.8	188.2	175.5	160.7	147.0	137.3	132.0	130.1	129.7	31.2	140.1
20,0°	206.3	189.4	174.8	160.4	144.9	130.0	118.5	111.0	107.3	105.9	105.5	33.4	173.6
22,5°	186.9	167.8	152.3	137.3	121.0	105.9	97.0	92.1	89.4	88.1	87.9	35.4	209.0
25,0°	173.5	149.0	128.6	111.5	97.9	88.1	82.1	77.9	75.3	74.3	74.0	37.0	246.0
27,5°	152.9	123.1	102.7	90.7	83.2	76.7	71.5	67.5	64.7	63.5	63.5	38.2	284.2
30,0°	126.4	98.4	87.3	81.5	76.1	70.2	64.9	60.6	57.7	56.3	55.6	38.6	322.8
32,5°	99.3	86.4	81.5	77.8	72.2	65.8	59.6	55.0	51.9	49.9	49.3	38.3	361.1
35,0°	87.3	82.7	79.1	75.2	69.0	61.6	55.8	51.1	47.7	45.0	43.0	38.4	399.5
37,5°	84.4	81.6	77.9	73.4	66.4	58.7	52.8	47.8	44.0	41.2	38.0	38.6	438.1
40,0°	83.5	80.7	77.0	72.1	64.1	55.7	49.4	44.2	40.4	37.4	34.5	38.4	476.4
42,5°	82.5	79.6	76.7	71.3	62.0	52.7	45.7	40.5	36.8	34.0	31.5	37.9	514.3
45,0°	80.7	78.8	75.9	69.8	59.3	49.1	41.9	36.9	33.6	30.9	28.8	37.6	551.9
47,5°	77.8	76.9	74.3	67.7	56.6	45.7	38.3	33.7	30.7	28.2	26.3	37.7	589.6
50,0°	73.8	73.3	71.0	64.4	53.3	42.5	35.2	30.8	28.0	25.8	24.0	38.2	627.8
52,5°	69.0	69.2	66.7	59.9	49.7	39.4	32.4	28.3	25.7	23.5	22.1	38.2	666.0
55,0°	63.7	63.4	61.4	55.2	45.6	36.4	30.1	26.3	23.5	21.7	20.3	38.2	704.2
57,5°	59.0	57.0	55.3	50.4	41.4	33.5	27.9	24.4	22.0	20.3	19.2	38.9	743.0
60,0°	55.3	50.8	48.8	44.6	37.1	30.6	25.9	22.7	20.7	19.3	18.4	40.1	783.2
62,5°	52.6	46.2	42.4	38.3	32.7	27.6	23.8	21.2	19.6	18.4	17.6	40.4	823.5
65,0°	49.0	42.5	37.4	32.9	28.4	24.8	21.9	19.9	18.4	17.4	16.5	38.8	862.3
67,5°	43.3	38.1	32.9	28.4	24.7	21.8	19.9	18.2	16.9	15.8	15.0	36.2	898.5
70,0°	36.8	33.2	28.5	24.3	21.1	19.1	17.6	16.5	15.3	14.1	13.2	33.5	932.0
72,5°	30.5	27.9	24.1	20.4	18.1	16.5	15.3	14.4	13.3	12.3	11.5	25.9	958.0
75,0°	25.0	23.0	20.3	17.3	15.4	14.0	13.0	12.3	11.3	10.3	9.8	17.6	975.5
77,5°	20.0	18.5	16.3	13.9	12.5	11.3	10.6	9.9	8.9	8.0	7.7	10.6	986.2
80,0°	15.2	13.8	12.4	10.8	9.7	8.9	8.2	7.4	6.6	6.0	5.8	5.9	992.1
82,5°	10.8	9.6	8.4	7.7	7.3	6.6	5.9	5.3	4.8	4.4	4.4	3.6	995.7
85,0°	7.7	6.7	5.9	5.5	5.0	4.6	4.1	3.7	3.5	3.1	3.1	2.5	998.2
87,5°	5.2	4.6	4.1	3.7	3.5	3.2	2.9	2.7	2.5	2.3	2.3	1.7	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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
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
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
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
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 DL® 30 LED	Bestell-Nr.: 5XA5132S1B08A3 EAN: 4058352059494	LP-Nummer 57199_8
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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	siteco
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Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	2720	20.0	20.2	20.1
95	241	2581	19.0	19.3	19.2
90	229	2452	18.1	18.3	18.2
85	216	2313	17.1	17.3	17.2
80	203	2174	16.1	16.3	16.2
75	190	2035	15.1	15.3	15.2
70	178	1906	14.2	14.4	14.3
65	165	1767	13.2	13.4	13.3
60	152	1628	12.3	12.5	12.4
55	140	1499	11.5	11.6	11.6
50	127	1360	10.5	10.7	10.6
45	114	1221	9.6	9.7	9.6
40	102	1092	8.7	8.8	8.8
35	89	953	7.7	7.8	7.8