

Photometric test report

Family
DL® 30 LED

Order number: 5XA5132S1B08A3
EAN: 4058352059494

LP number
57199_8



Version post-top mounting
Optic asymmetric, extremely wide distribution (P1.0a)
Cover PMMA cover, impact resistant, IK08
Lamps LED 4000 K | CRI ≥ 70
Controlgear ECG Plus
Rated values Net luminous flux = 2720 lm
Power consumption = 20.0 W
Luminous efficacy = 136 lm/W

serial
documentation
18.11.2020

siteco

Luminous intensity in cd/klm

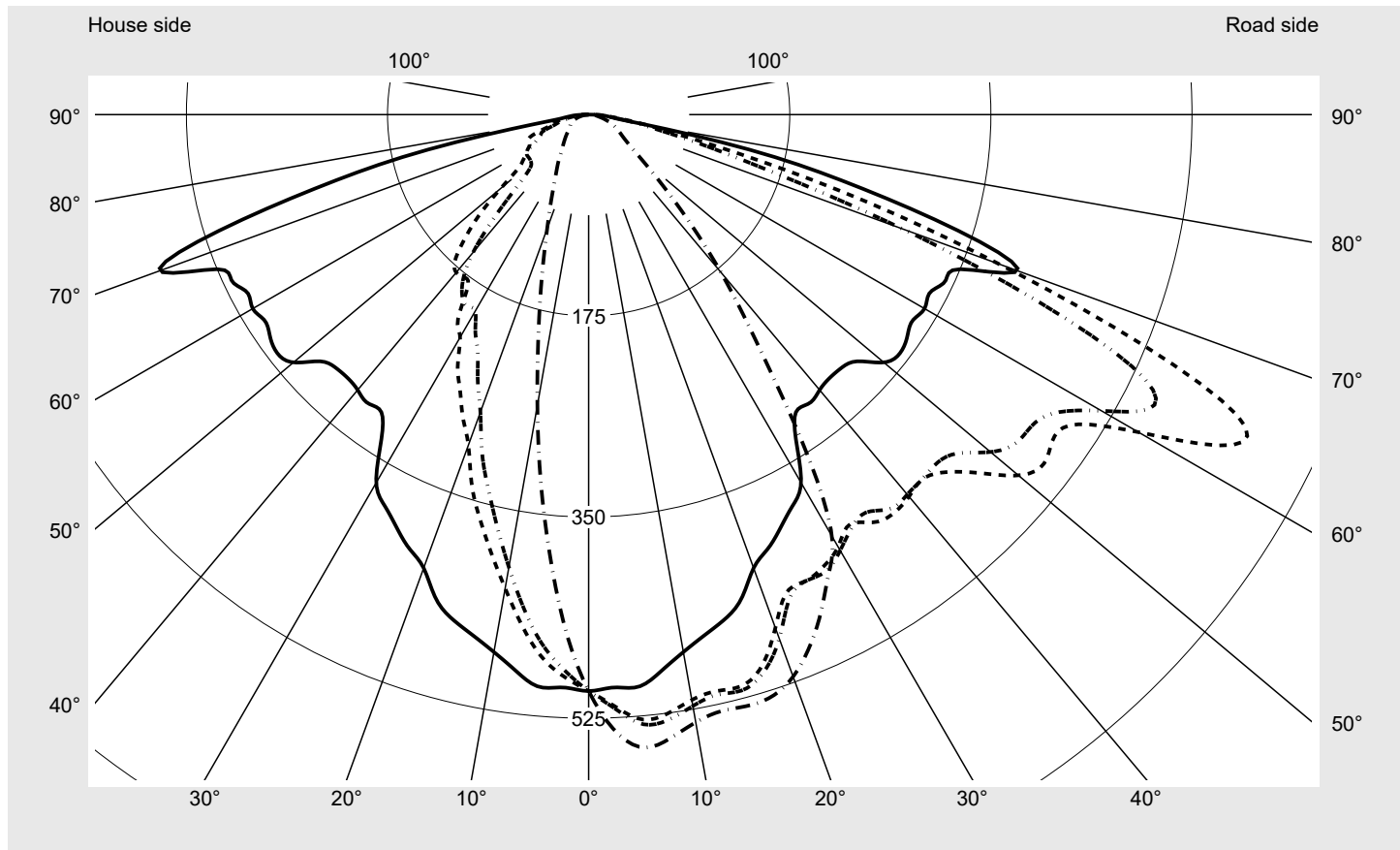
C180-0

C200-20

C205-25

C270-90

Imax: 625 cd/klm



Luminaire output ratios

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

Luminous intensity class acc. to EN13201-2

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

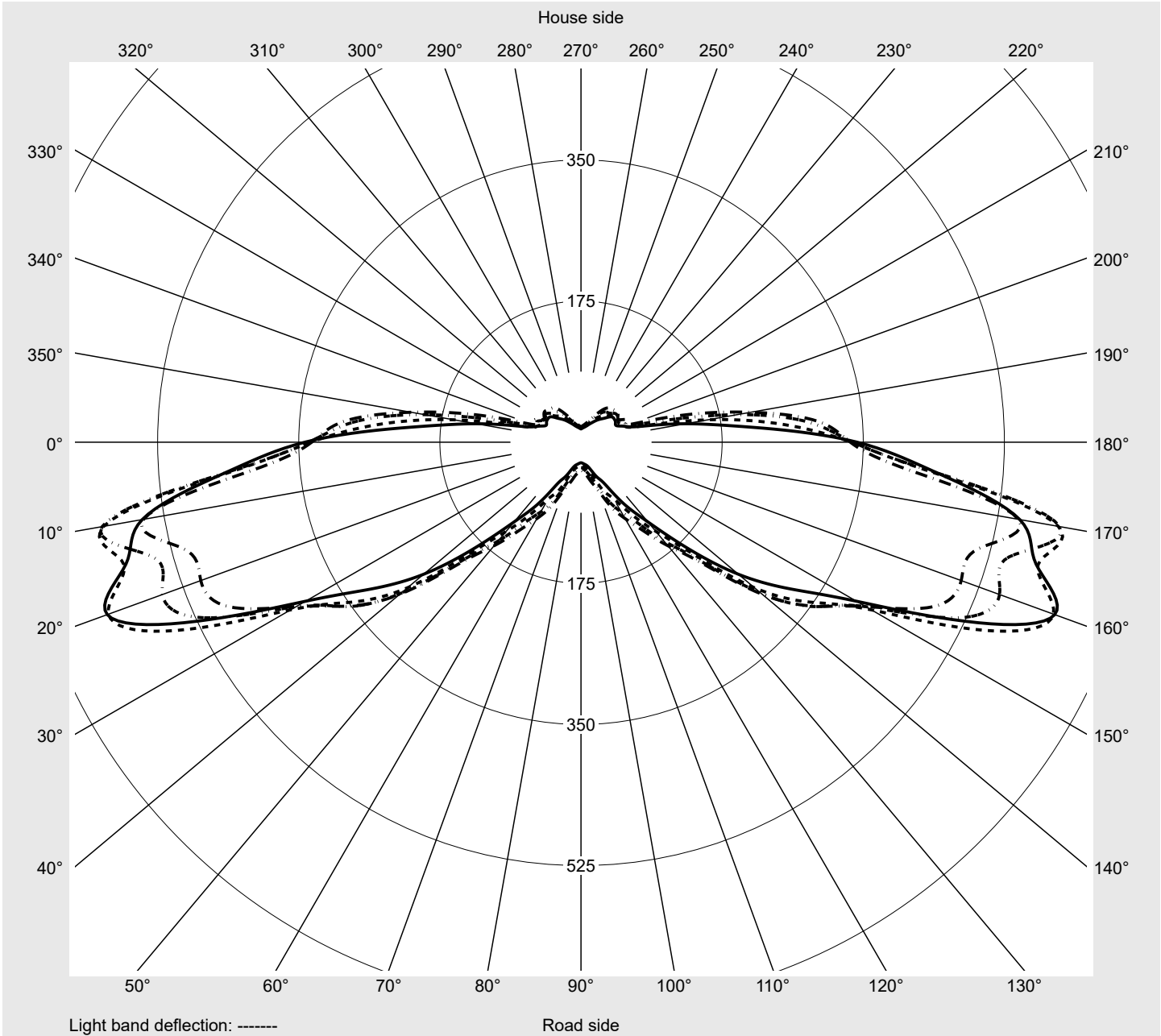
Measurement conditions

DIN EN 13032 and DIN 5032

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Family DL® 30 LED	Order number: 5XA5132S1B08A3 EAN: 4058352059494	LP number 57199_8
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Envelope curve in cd/klm **KMK 65°** **KMK 62,5°** **KMK 60°** **KMK 57,5°** **siteco**



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Table of values for luminous intensities		Maximum luminous intensity
siteco		

C-planes	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	Luminous intensity 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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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	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	Luminous intensity 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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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm											Luminous flux 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

Photometric test report

Family DL® 30 LED	Order number: 5XA5132S1B08A3 EAN: 4058352059494	LP number 57199_8
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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Luminous flux [lm]	Power consumption [W] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
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