

## Photometric test report

Family  
DL® 30 LED

Order number: 5XA5132T1B08A3  
EAN: 4058352059616

LP number  
57199\_7



**Version** post-top mounting  
**Optic** asymmetric, extremely wide distribution (P1.0a)  
**Cover** PMMA cover, impact resistant, IK08  
**Lamps** LED 3000 K | CRI ≥ 80  
**Controlgear** ECG Plus  
**Rated values** Net luminous flux = 2370 lm  
Power consumption = 20.4 W  
Luminous efficacy = 116.2 lm/W

serial  
documentation  
18.11.2020

siteco

Luminous intensity in cd/klm

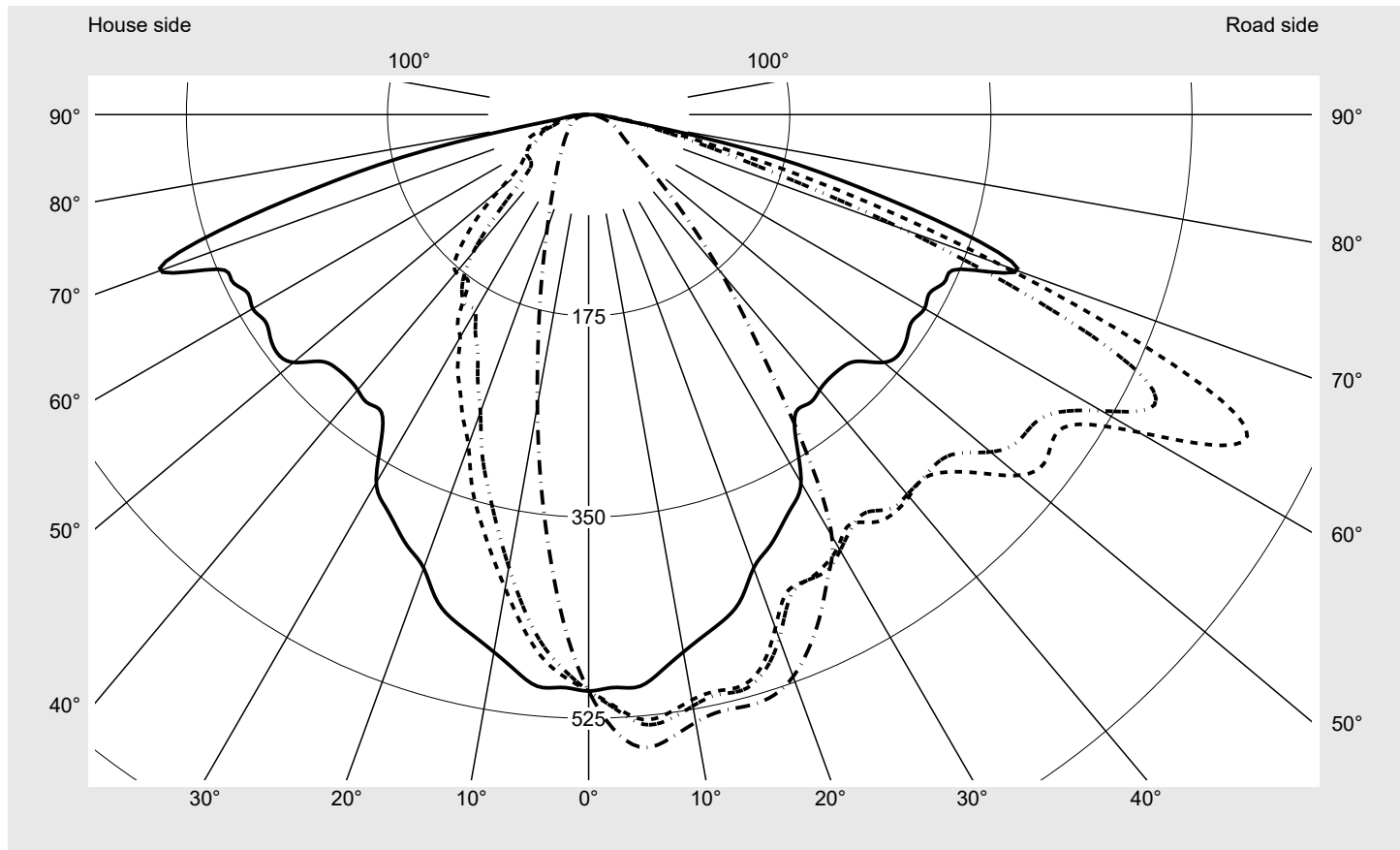
C180-0

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

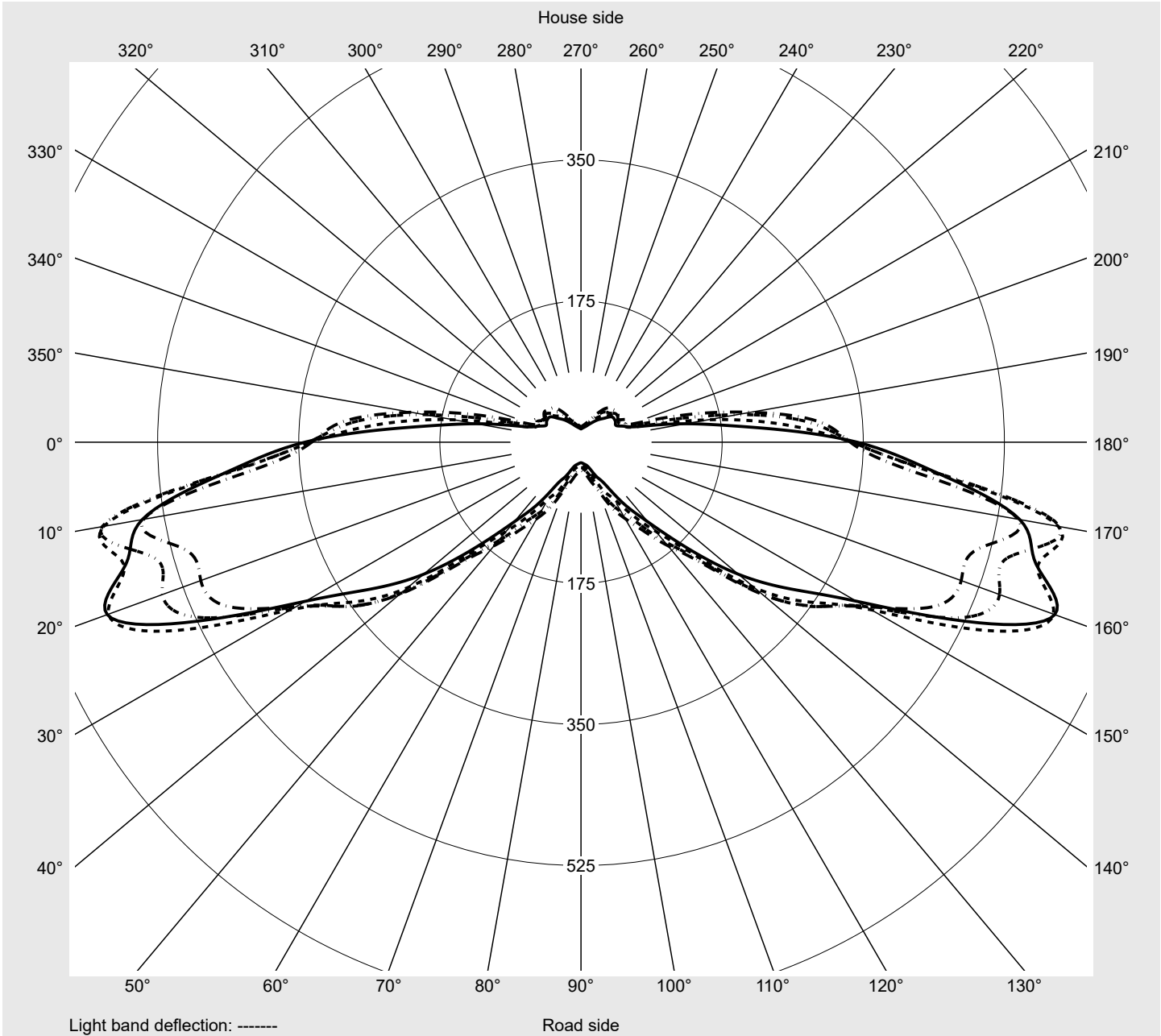
#### Measurement conditions

DIN EN 13032 and DIN 5032

**Photometric test report**

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**Envelope curve in cd/klm**      **KMK 65°**    **KMK 62,5°**    **KMK 60°**    **KMK 57,5°**      **siteco**



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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
<b>siteco</b>		

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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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
<b>siteco</b>		

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°
$\gamma$	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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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

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

<b>Family</b> DL® 30 LED	<b>Order number: 5XA5132T1B08A3</b> <b>EAN: 4058352059616</b>	<b>LP number</b> 57199_7
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<b>Dimming levels table</b>	environmental temperature: 25°C	<b>sITeco</b>
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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	2370	20.4	20.7	20.5
95	241	2249	19.4	19.6	19.5
90	229	2137	18.4	18.6	18.5
85	216	2015	17.4	17.6	17.5
80	203	1894	16.3	16.6	16.5
75	190	1773	15.3	15.5	15.4
70	178	1661	14.3	14.4	14.4
65	165	1540	13.2	13.4	13.3
60	152	1418	12.2	12.4	12.3
55	140	1306	11.3	11.4	11.4
50	127	1185	10.3	10.4	10.4
45	114	1064	9.2	9.3	9.2
40	102	952	8.3	8.4	8.4
38	96	896	7.8	7.9	7.8