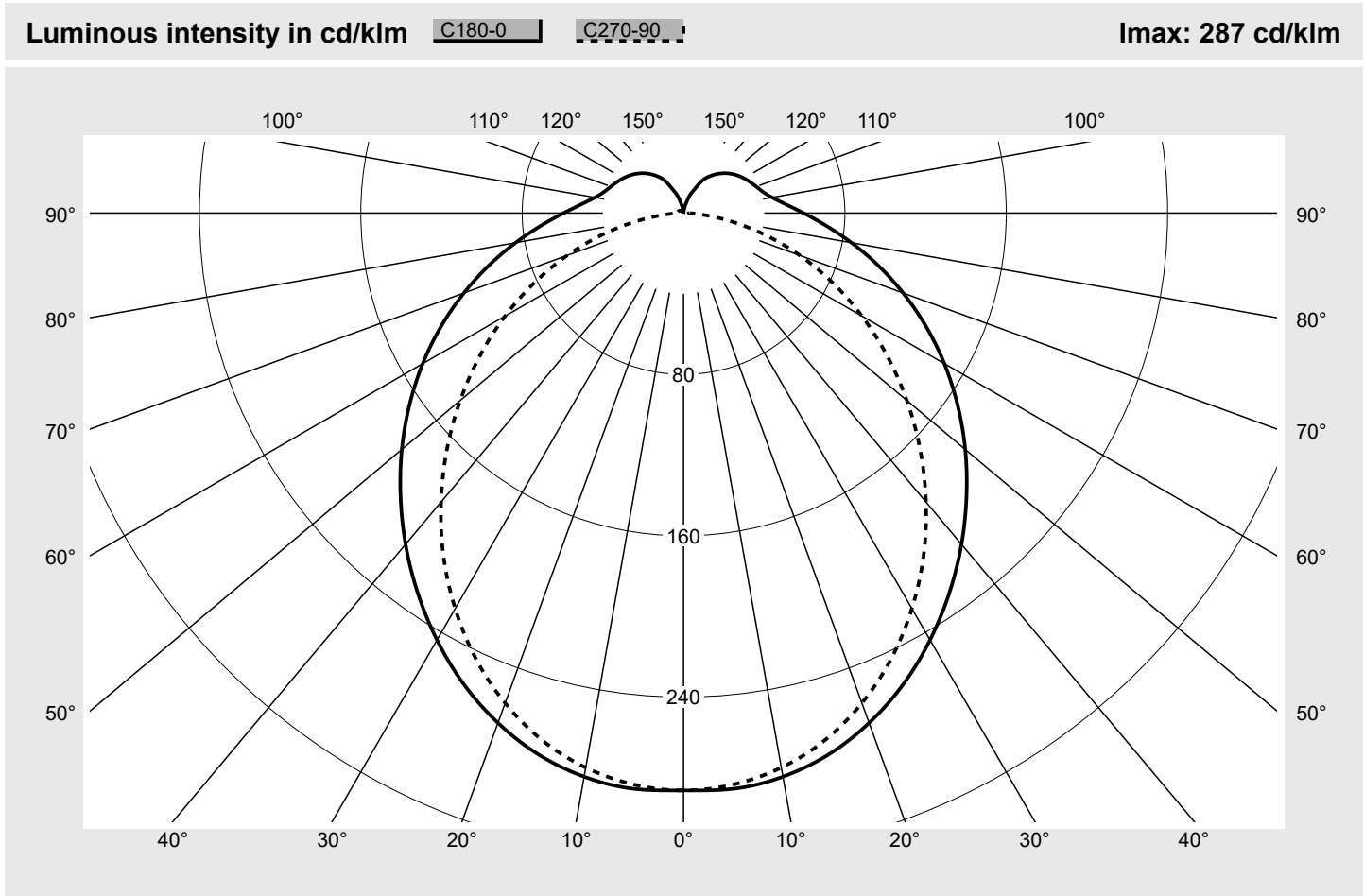


Photometric test report

Family Powerbrik®	Order number: 51FC207A410A EAN: 4069025125026	LP number 55804_3
	Version	cover opal, polycarbonate
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG
	Rated values	Net luminous flux = 900 lm Power consumption = 6.5 W Luminous efficacy = 138.5 lm/W
		serial documentation 04.11.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	B 3 1	η_{LB}	100.0%
CIE	N1=44 N2=73 N3=91	ϕ_u	87.1%
	N4=87 N5=100	ϕ_o	12.9%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Powerbrik®	Order number: 51FC207A410A EAN: 4069025125026	LP number 55804_3
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	286.3	286.3	286.3	286.3	286.3	286.3	286.3	1.7	1.7
5°	286.5	286.4	286.3	286.0	285.6	285.0	284.4	13.7	15.4
10°	283.8	283.6	282.9	282.0	280.8	279.8	279.2	26.8	42.2
15°	277.9	277.5	276.4	274.9	273.1	271.5	270.6	39.0	81.1
20°	269.0	268.7	267.1	264.9	262.3	260.0	258.6	49.6	130.7
25°	257.8	257.2	255.1	252.3	248.9	245.7	243.7	58.3	189.0
30°	244.4	243.6	241.2	237.5	233.3	229.1	226.4	64.9	253.9
35°	229.8	228.8	225.7	221.2	215.9	210.7	207.5	69.2	323.1
40°	214.4	213.0	209.2	203.8	197.4	191.1	187.0	71.4	394.5
45°	198.4	196.7	192.2	185.5	178.1	170.7	165.9	71.4	465.9
50°	182.3	180.3	174.9	167.2	158.5	150.0	144.5	69.6	535.5
55°	165.9	163.7	157.5	148.7	138.9	129.4	123.2	66.1	601.5
60°	149.3	146.8	140.1	130.4	119.5	109.0	102.1	61.1	662.6
65°	132.5	130.0	122.8	112.3	100.5	88.9	81.4	54.8	717.3
70°	115.9	113.2	105.7	94.5	81.8	69.3	61.3	47.5	764.8
75°	99.7	97.0	89.2	77.5	63.9	50.5	42.0	39.6	804.4
80°	84.5	81.8	74.0	61.9	47.6	33.2	24.2	31.8	836.2
85°	70.9	68.4	60.9	49.0	34.4	19.3	9.8	24.8	861.0
90°	59.5	57.3	50.4	39.5	26.0	12.0	3.1	19.8	880.8
95°	50.7	48.8	43.0	33.5	22.0	10.5	3.0	16.8	897.6
100°	44.6	43.1	38.3	30.4	20.8	10.2	2.9	15.0	912.5
105°	40.7	39.5	35.6	28.9	20.1	9.8	2.8	13.7	926.3
110°	38.4	37.3	33.8	27.7	19.2	9.3	2.6	12.7	939.0
115°	36.4	35.4	32.2	26.4	18.3	8.7	2.5	11.6	950.6
120°	34.5	33.6	30.6	25.0	17.2	7.6	2.4	10.5	961.1
125°	32.6	31.6	28.7	23.4	16.0	6.6	2.1	9.3	970.3
130°	30.4	29.5	26.7	21.6	14.5	5.5	2.0	8.0	978.3
135°	28.0	27.1	24.3	19.6	12.0	4.3	1.7	6.6	984.9
140°	25.2	24.4	21.7	17.3	9.8	3.6	1.5	5.3	990.2
145°	22.2	21.4	18.8	13.5	8.1	2.9	1.2	4.0	994.2
150°	18.6	17.7	14.4	10.5	5.6	2.2	0.9	2.7	996.9
155°	13.2	12.5	10.7	7.8	3.7	1.3	0.5	1.7	998.6
160°	9.7	9.2	7.4	4.7	2.4	0.5	0.1	0.9	999.5
165°	5.4	5.0	4.1	2.7	1.3	0.1	0.0	0.4	999.9
170°	2.5	2.2	1.6	0.9	0.3	0.1	0.1	0.1	1000.0
175°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Photometric test report

Family Powerbrik®			Order number: 51FC207A410A EAN: 4069025125026							LP number 55804_3	
UGR-Table			Standard room							siteco	
Reflection factor of ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reflection factor of floor		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	21.1	22.7	21.5	23.1	23.6	19.9	21.4	20.3	21.9	22.4
	3H	23.1	24.6	23.6	25.0	25.6	21.2	22.7	21.7	23.1	23.7
	4H	24.1	25.4	24.6	25.9	26.5	21.7	23.0	22.2	23.5	24.1
	6H	25.0	26.2	25.6	26.8	27.4	22.0	23.2	22.5	23.7	24.3
	8H	25.5	26.7	26.1	27.2	27.8	22.0	23.2	22.6	23.7	24.3
	12H	26.0	27.0	26.5	27.6	28.2	22.0	23.2	22.6	23.7	24.3
4H	2H	21.7	23.0	22.2	23.5	24.1	20.7	22.0	21.2	22.5	23.1
	3H	23.9	25.1	24.5	25.6	26.2	22.3	23.4	22.8	24.0	24.6
	4H	25.1	26.1	25.6	26.7	27.3	22.9	23.9	23.5	24.5	25.1
	6H	26.2	27.1	26.8	27.7	28.3	23.3	24.2	23.9	24.8	25.5
	8H	26.8	27.6	27.4	28.2	28.9	23.4	24.3	24.1	24.9	25.6
	12H	27.3	28.0	27.9	28.7	29.4	23.5	24.2	24.1	24.9	25.6
8H	4H	25.3	26.2	25.9	26.8	27.5	23.5	24.3	24.1	24.9	25.6
	6H	26.7	27.4	27.3	28.0	28.8	24.1	24.8	24.7	25.4	26.2
	8H	27.4	28.0	28.0	28.7	29.4	24.3	25.0	25.0	25.6	26.3
	12H	28.1	28.6	28.8	29.3	30.1	24.4	25.0	25.1	25.6	26.4
12H	4H	25.3	26.1	25.9	26.7	27.4	23.6	24.3	24.2	24.9	25.7
	6H	26.7	27.3	27.4	28.0	28.7	24.3	24.9	25.0	25.6	26.3
	8H	27.5	28.0	28.2	28.7	29.5	24.6	25.2	25.3	25.8	26.6

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 160 B = 90	H(C0) = 17 H(C90) = 14	H(C180) = 17 H(C270) = 14
C-planes	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
			Luminance in cd/m²					
45° 50° 55° 60°		14751.2	14430.5	14069.7	13718.6	13448.5	13314.5	13486.6
		14470.7	14089.2	13638.6	13189.7	12815.7	12585.3	12724.9
		14234.7	13795.6	13242.9	12670.7	12174.3	11846.1	11929.7
		14062.8	13543.4	12889.0	12179.6	11538.7	11067.0	11088.2
65° 70° 75° 80°		13947.3	13350.8	12570.7	11705.1	10883.3	10220.4	10142.1
		13938.9	13233.9	12302.6	11240.5	10185.9	9272.4	9035.4
		14126.2	13270.1	12142.3	10817.9	9434.8	8139.1	7641.9
		14684.2	13617.4	12243.9	10569.9	8711.4	6805.1	5824.0
85°		16086.4	14664.7	12957.1	10861.8	8371.2	5493.0	3525.4

Photometric test report

Family
Powerbrik®

Order number: 51FC207A410A
EAN: 4069025125026

LP number
55804_3

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

