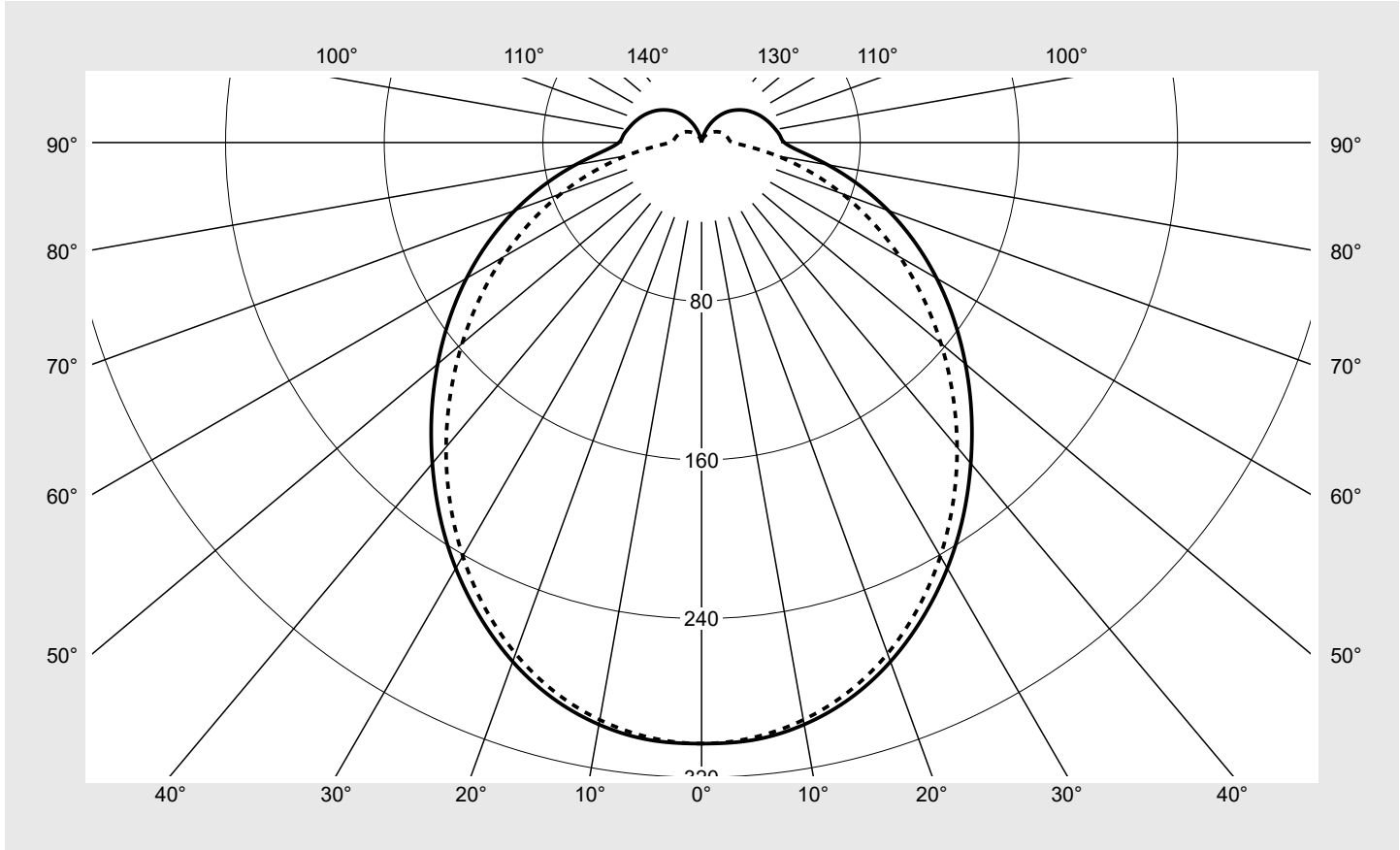


Photometric test report

Family POWERBRIK® LED	Order number: 0LS5297L10840 EAN: 4052899933965	LP number 55803_1
	Version cover opal, polycarbonate Lamps 1 x LED 4000K / CRI ≥ 80 (unbekannt LED 4000K / CRI = 85) Controlgear ECG Rated values Net luminous flux = 900 lm Power consumption = 9.5 W Luminous efficacy = 94.7 lm/W	serial documentation 03.06.2015



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 303 cd/klm**




Classifications	
DIN 5040	B 4 1
CIE	N1=45 N2=74 N3=92 N4=87 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	87.4%
ϕ_o	12.6%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family POWERBRIK® LED	Order number: 0LS5297L10840 EAN: 4052899933965	LP number 55803_1
Table of values for luminous intensities		
Maximum luminous intensity		

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm								Luminous flux in lm/klm	
0°	303.0	303.0	303.0	303.0	303.0	303.0	303.0	1.8	1.8
5°	302.3	302.2	301.9	301.6	301.3	301.2	301.1	14.4	16.2
10°	297.9	297.8	297.4	297.0	296.3	295.8	295.5	28.3	44.5
15°	290.0	289.9	289.3	288.7	287.8	286.9	286.6	40.9	85.4
20°	278.5	278.4	277.9	277.1	276.1	274.7	274.2	51.9	137.3
25°	264.1	264.1	263.5	262.6	261.1	259.5	258.6	60.7	198.0
30°	247.9	247.4	246.9	245.8	243.9	242.0	240.8	67.2	265.2
35°	230.0	229.6	228.7	227.3	225.1	222.7	221.2	71.2	336.4
40°	211.2	210.9	209.6	207.6	205.1	202.3	200.4	72.9	409.3
45°	192.4	191.9	190.2	187.6	184.5	181.4	179.0	72.4	481.7
50°	173.7	173.0	170.8	167.6	164.0	160.2	157.6	70.1	551.8
55°	155.2	154.3	151.5	147.7	143.5	139.3	136.3	66.0	617.8
60°	136.9	135.8	132.5	128.1	123.4	118.8	115.6	60.5	678.3
65°	118.5	117.4	113.7	108.8	103.7	98.8	95.2	53.8	732.0
70°	100.2	98.9	95.0	89.8	84.4	79.2	75.4	45.9	778.0
75°	81.9	80.7	76.7	71.3	65.7	60.3	56.3	37.4	815.3
80°	64.5	63.3	59.4	54.0	48.3	42.7	38.6	28.7	844.1
85°	49.7	48.7	44.9	39.7	34.0	28.3	24.1	21.2	865.2
90°	41.7	40.8	37.2	31.9	26.1	20.2	15.9	16.9	882.1
95°	39.7	38.8	35.4	30.1	24.3	18.3	14.1	15.8	897.9
100°	37.9	37.1	34.0	29.1	23.5	17.6	13.5	15.0	912.9
105°	36.1	35.4	32.5	27.9	22.5	16.9	12.9	14.1	927.0
110°	34.3	33.6	30.9	26.5	21.4	16.0	12.2	13.0	940.1
115°	32.3	31.7	29.2	25.1	20.2	14.8	11.5	11.8	951.9
120°	30.3	29.7	27.4	23.4	18.7	13.5	10.5	10.5	962.4
125°	28.0	27.5	25.4	21.6	17.0	12.0	9.5	9.2	971.6
130°	25.6	25.1	23.2	19.7	15.1	10.4	8.4	7.7	979.3
135°	23.0	22.5	20.8	17.5	13.2	8.9	7.3	6.3	985.6
140°	20.3	19.8	18.1	15.1	11.3	7.6	6.3	5.0	990.6
145°	17.2	16.7	15.2	12.6	9.2	6.4	5.2	3.7	994.4
150°	13.9	13.5	12.2	9.9	7.0	5.1	4.3	2.6	997.0
155°	10.5	10.1	9.0	7.2	5.2	3.8	3.3	1.6	998.6
160°	7.0	6.7	5.9	4.6	3.7	2.7	2.4	0.9	999.5
165°	3.8	3.7	3.3	2.9	2.1	1.7	1.6	0.4	999.9
170°	1.8	1.8	1.5	1.1	1.0	0.8	0.8	0.1	1000.0
175°	0.1	0.1	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® LED	Order number: 0LS5297L10840 EAN: 4052899933965	LP number 55803_1
---------------------------------	---	-----------------------------

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	20.7	22.3	21.2	22.7	23.2	20.3	21.9	20.8	22.3	22.8
	3H	22.5	23.9	23.0	24.4	24.9	21.9	23.3	22.4	23.8	24.3
	4H	23.3	24.6	23.9	25.1	25.7	22.5	23.8	23.0	24.3	24.9
	6H	24.1	25.2	24.6	25.8	26.4	23.0	24.2	23.5	24.7	25.3
	8H	24.4	25.5	25.0	26.1	26.7	23.2	24.3	23.7	24.9	25.5
	12H	24.7	25.8	25.3	26.3	27.0	23.4	24.4	23.9	25.0	25.6
4H	2H	21.4	22.7	21.9	23.2	23.7	21.0	22.3	21.5	22.8	23.4
	3H	23.3	24.5	23.9	25.0	25.6	22.8	23.9	23.3	24.4	25.0
	4H	24.3	25.3	24.9	25.9	26.5	23.5	24.5	24.1	25.1	25.7
	6H	25.2	26.0	25.8	26.6	27.3	24.1	25.0	24.7	25.6	26.3
	8H	25.6	26.4	26.2	27.0	27.7	24.4	25.2	25.0	25.8	26.5
	12H	26.0	26.7	26.6	27.3	28.1	24.6	25.3	25.2	26.0	26.7
8H	4H	24.6	25.4	25.2	26.0	26.7	23.9	24.7	24.5	25.3	26.0
	6H	25.7	26.4	26.3	27.0	27.7	24.7	25.4	25.3	26.0	26.7
	8H	26.2	26.8	26.8	27.5	28.2	25.1	25.7	25.7	26.3	27.1
	12H	26.7	27.2	27.4	27.9	28.7	25.4	25.9	26.0	26.5	27.3
12H	4H	24.6	25.3	25.2	25.9	26.7	23.9	24.6	24.6	25.3	26.0
	6H	25.7	26.3	26.4	27.0	27.7	24.8	25.4	25.5	26.1	26.8
	8H	26.3	26.8	27.0	27.5	28.3	25.2	25.7	25.9	26.4	27.2

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 160	H(C0) = 17	H(C180) = 17
			B = 90	H(C90) = 14	H(C270) = 14

C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		14305.6	14073.6	13923.3	13874.0	13939.2	14142.5	14549.6	
50°		13785.8	13517.4	13315.3	13216.6	13253.3	13443.7	13876.6	
55°		13320.7	13005.1	12733.7	12581.1	12575.4	12753.0	13206.3	
60°		12891.5	12522.8	12186.0	11959.1	11910.7	12066.0	12543.9	
65°		12477.0	12058.0	11639.8	11334.9	11232.4	11355.8	11857.5	
70°		12051.2	11564.5	11062.7	10671.3	10504.6	10588.2	11111.5	
75°		11597.2	11038.9	10441.4	9951.4	9697.4	9716.0	10253.4	
80°		11203.6	10538.4	9826.8	9215.3	8846.0	8750.4	9291.1	
85°		11278.9	10433.6	9564.8	8794.4	8278.9	8029.0	8625.5	

Photometric test report

Family POWERBRIK® LED	Order number: 0LS5297L10840 EAN: 4052899933965	LP number 55803_1
--	---	------------------------------------



Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

