
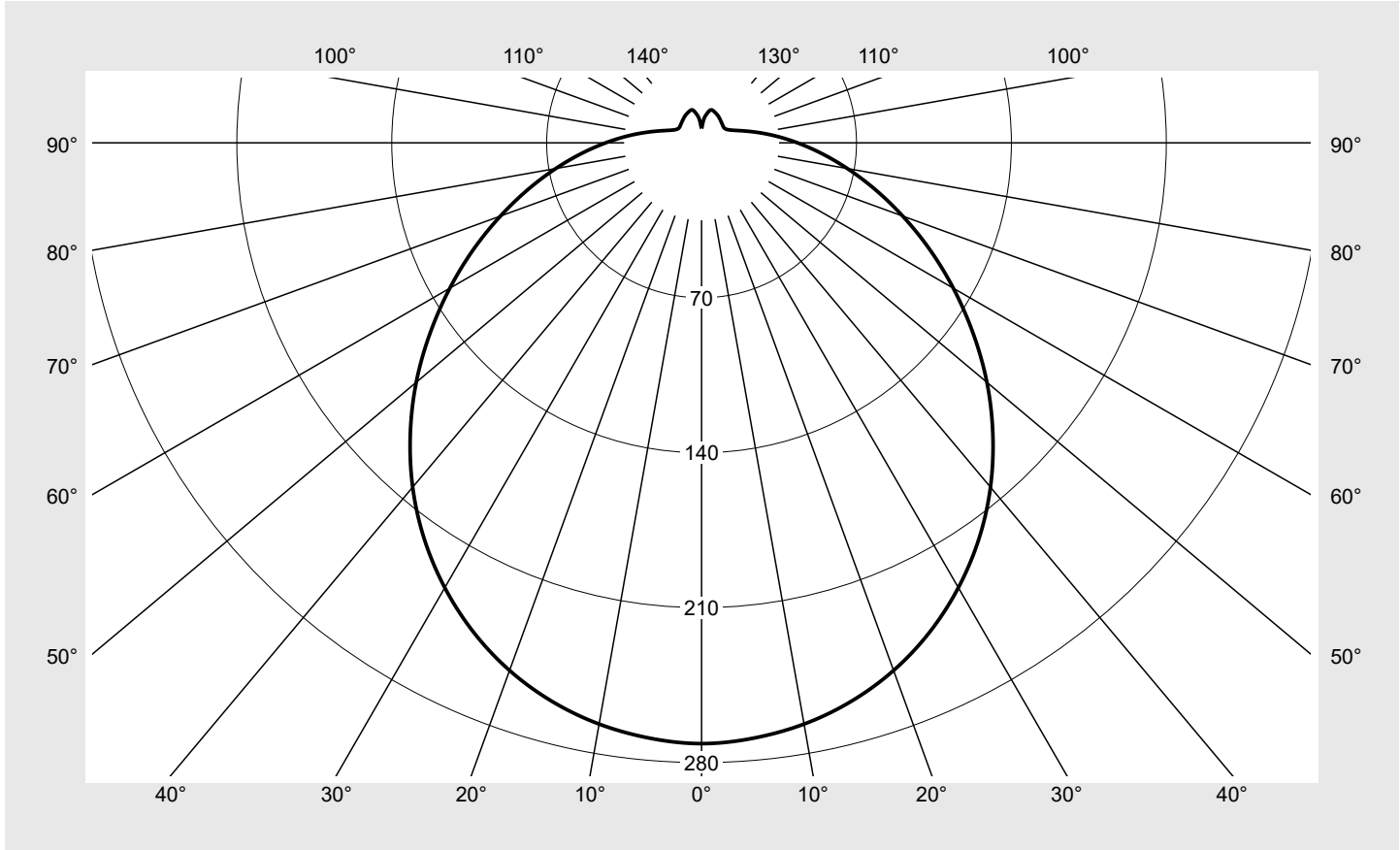


Photometric test report

Family Round 31	Order number: 5PJA012001A EAN: 4058352955093	LP number 59497_3
	Version surface-mounted luminaire, diffuser, cambered, opal, PMMA, with homogeneous illumination, extremely wide distribution	serial documentation 08.11.2023
	Lamps LED 3000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 1800 lm Power consumption = 15.0 W Luminous efficacy = 120 lm/W	



Luminous intensity in cd/klm C180-0 **Imax: 271 cd/klm**



Classifications	
DIN 5040	B 3 1
CIE	N1=42 N2=71 N3=89 N4=88 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	88.4%
ϕ_o	11.6%

Measurement conditions
 DIN EN 13032 and DIN 5032

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Table of values for luminous intensities	Maximum luminous intensity	sITeco
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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	271.4	1.6	1.6
5°	270.0	12.9	14.5
10°	266.7	25.4	39.9
15°	261.2	37.1	77.0
20°	253.7	47.6	124.5
25°	243.9	56.5	181.0
30°	232.1	63.6	244.6
35°	218.5	68.7	313.3
40°	203.1	71.6	384.9
45°	186.2	72.2	457.0
50°	168.3	70.7	527.7
55°	149.7	67.2	594.9
60°	131.4	62.4	657.3
65°	113.6	56.5	713.7
70°	96.7	49.8	763.5
75°	81.1	42.9	806.5
80°	66.9	36.1	842.6
85°	54.3	29.7	872.3
90°	43.3	23.8	896.0
95°	34.1	18.6	914.6
100°	26.4	14.3	928.9
105°	20.6	10.9	939.8
110°	16.4	8.4	948.2
115°	13.8	6.9	955.1
120°	12.5	6.0	961.0
125°	12.2	5.5	966.5
130°	12.4	5.2	971.7
135°	12.8	5.0	976.7
140°	13.3	4.7	981.4
145°	13.9	4.4	985.7
150°	14.4	4.0	989.7
155°	14.9	3.5	993.2
160°	15.4	2.9	996.0
165°	15.3	2.2	998.2
170°	13.2	1.3	999.5
175°	10.3	0.5	1000.0
180°	6.6	0.0	1000.0

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UGR-Table	Standard room	sitEco
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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	17.8	19.4	18.3	19.9	20.3	17.8	19.4	18.3	19.9	20.3
	3H	19.7	21.2	20.2	21.6	22.1	19.7	21.2	20.2	21.6	22.1
	4H	20.5	21.9	21.0	22.4	22.9	20.5	21.9	21.0	22.4	22.9
	6H	21.4	22.7	21.9	23.2	23.7	21.4	22.7	21.9	23.2	23.7
	8H	21.8	23.0	22.4	23.5	24.1	21.8	23.0	22.4	23.5	24.1
	12H	22.2	23.4	22.8	23.9	24.5	22.2	23.4	22.8	23.9	24.5
4H	2H	18.6	19.9	19.1	20.4	21.0	18.6	19.9	19.1	20.4	21.0
	3H	20.6	21.8	21.1	22.3	22.9	20.6	21.8	21.1	22.3	22.9
	4H	21.6	22.7	22.2	23.3	23.9	21.6	22.7	22.2	23.3	23.9
	6H	22.7	23.6	23.2	24.2	24.8	22.7	23.6	23.2	24.2	24.8
	8H	23.2	24.0	23.8	24.6	25.3	23.2	24.0	23.8	24.6	25.3
	12H	23.7	24.5	24.3	25.1	25.7	23.7	24.5	24.3	25.1	25.7
8H	4H	22.1	22.9	22.7	23.5	24.2	22.1	22.9	22.7	23.5	24.2
	6H	23.3	24.0	23.9	24.7	25.3	23.3	24.0	23.9	24.7	25.3
	8H	23.9	24.6	24.6	25.2	25.9	23.9	24.6	24.6	25.2	25.9
	12H	24.6	25.2	25.3	25.8	26.6	24.6	25.2	25.3	25.8	26.6
12H	4H	22.2	22.9	22.8	23.5	24.2	22.2	22.9	22.8	23.5	24.2
	6H	23.5	24.1	24.1	24.7	25.5	23.5	24.1	24.1	24.7	25.5
	8H	24.2	24.7	24.8	25.4	26.1	24.2	24.7	24.8	25.4	26.1

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 290	H(C0) = 35 H(C90) = 35	H(C180) = 35 H(C270) = 35
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C-planes	0°
γ	Luminance in cd/m ²
45°	6218.5
50°	6031.4
55°	5833.0
60°	5654.8
65°	5511.1
70°	5417.5
75°	5427.2
80°	5610.8
85°	6160.4

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°

