

Photometric test report

Family
Silica® 21 Ring

Order number: **5PJBI3D1204A**
EAN: **4058352960356**

LP number
59506_9



Version suspended luminaire incl. Pendant, silver, inner ring side luminous, cover opal, polycarbonate, frosted, diffuse beam

Lamps LED 3000 K | CRI ≥ 80

Controlgear ECG-DALI

Rated values Net luminous flux = 6120 lm
Power consumption = 105.0 W
Luminous efficacy = 58.3 lm/W

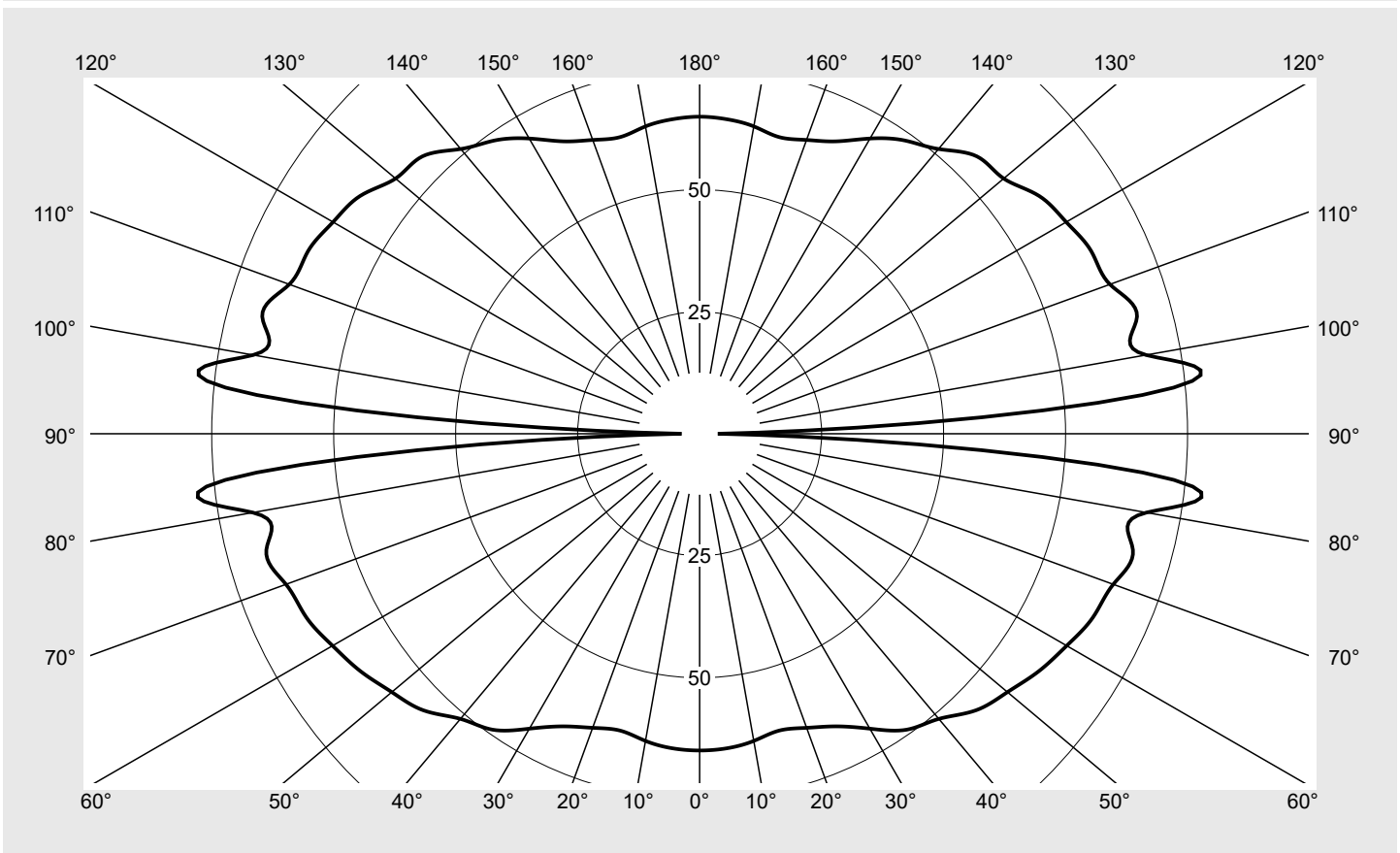
serial
documentation
08.11.2023

siteco

Luminous intensity in cd/klm

C180-0

Imax: 93 cd/klm



Classifications

DIN 5040 C 2 2
CIE N1=22 N2=48 N3=76
N4=50 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 50.0%
 ϕ_o 50.0%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Silica® 21 Ring	Order number: 5PJB13D1204A EAN: 4058352960356	LP number 59506_9
----------------------------------	--	-----------------------------



Table of values for luminous intensities	Maximum luminous intensity
---	-----------------------------------

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	64.9	0.4	0.4
5°	64.7	3.1	3.5
10°	63.9	6.1	9.6
15°	63.0	8.9	18.5
20°	64.1	12.0	30.5
25°	66.2	15.3	45.8
30°	69.8	19.1	65.0
35°	74.0	23.3	88.2
40°	76.3	26.9	115.1
45°	80.1	31.1	146.2
50°	82.4	34.6	180.7
55°	84.8	38.1	218.8
60°	86.9	41.2	260.1
65°	89.0	44.2	304.3
70°	90.2	46.5	350.7
75°	91.9	48.7	399.4
80°	93.0	50.2	449.6
85°	91.1	49.8	499.4
90°	3.7	2.0	501.4
95°	91.1	49.7	551.1
100°	92.9	50.2	601.3
105°	92.8	49.1	650.4
110°	89.5	46.1	696.5
115°	88.6	44.0	740.5
120°	86.8	41.2	781.7
125°	84.9	38.1	819.8
130°	81.3	34.2	854.0
135°	80.4	31.1	885.1
140°	76.2	26.8	912.0
145°	73.3	23.1	935.0
150°	69.8	19.1	954.2
155°	66.1	15.3	969.5
160°	64.1	12.0	981.5
165°	62.9	8.9	990.4
170°	63.9	6.1	996.5
175°	64.7	3.1	999.6
180°	65.0	0.4	1000.0

Photometric test report

Family Silica® 21 Ring	Order number: 5PJBI3D1204A EAN: 4058352960356	LP number 59506_9
----------------------------------	--	-----------------------------

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	26.0	27.1	26.8	28.0	29.1	26.0	27.1	26.8	28.0	29.1
	3H	28.7	29.7	29.5	30.6	31.8	28.7	29.7	29.5	30.6	31.8
	4H	30.1	31.1	31.0	32.0	33.2	30.1	31.1	31.0	32.0	33.2
	6H	31.5	32.4	32.4	33.4	34.6	31.5	32.4	32.4	33.4	34.6
	8H	32.2	33.0	33.1	34.0	35.2	32.2	33.0	33.1	34.0	35.2
	12H	32.9	33.7	33.8	34.7	35.9	32.9	33.7	33.8	34.7	35.9
4H	2H	26.9	27.8	27.7	28.8	29.9	26.9	27.8	27.7	28.8	29.9
	3H	29.7	30.6	30.6	31.5	32.7	29.7	30.6	30.6	31.5	32.7
	4H	31.3	32.1	32.2	33.0	34.3	31.3	32.1	32.2	33.0	34.3
	6H	32.9	33.6	33.8	34.5	35.8	32.9	33.6	33.8	34.5	35.8
	8H	33.7	34.3	34.6	35.3	36.6	33.7	34.3	34.6	35.3	36.6
	12H	34.4	35.0	35.4	36.0	37.3	34.4	35.0	35.4	36.0	37.3
8H	4H	31.8	32.5	32.8	33.4	34.7	31.8	32.5	32.8	33.4	34.7
	6H	33.6	34.2	34.6	35.2	36.5	33.6	34.2	34.6	35.2	36.5
	8H	34.6	35.1	35.6	36.1	37.4	34.6	35.1	35.6	36.1	37.4
	12H	35.6	36.0	36.6	37.0	38.4	35.6	36.0	36.6	37.0	38.4
12H	4H	31.9	32.5	32.9	33.5	34.8	31.9	32.5	32.9	33.5	34.8
	6H	33.8	34.3	34.8	35.3	36.6	33.8	34.3	34.8	35.3	36.6
	8H	34.9	35.3	35.9	36.4	37.7	34.9	35.3	35.9	36.4	37.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 65	H(C0) = 48 H(C90) = 48	H(C180) = 48 H(C270) = 48
------------------------	---	--------------------------------------	---------------------------	------------------------------

C-planes	0°
γ	Luminance in cd/m ²
45°	107706.3
50°	111432.6
55°	116447.3
60°	121901.7
65°	128709.2
70°	135762.8
75°	145290.6
80°	155952.9
85°	164132.0

Photometric test report

Family Silica® 21 Ring	Order number: 5PJBI3D1204A EAN: 4058352960356	LP number 59506_9
----------------------------------	--	-----------------------------



Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

