

Photometric test report

Family
Mira® 11

Order number: 51FR127A461A
EAN: 4058352672242

LP number
59363_3



Version clean room luminaire, square M625, reflector, semi-specular, cover panel, toughened safety glass, extremely wide distribution

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG

Rated values Net luminous flux = 6100 lm
Power consumption = 53.0 W
Luminous efficacy = 115.1 lm/W

serial
documentation
21.12.2022

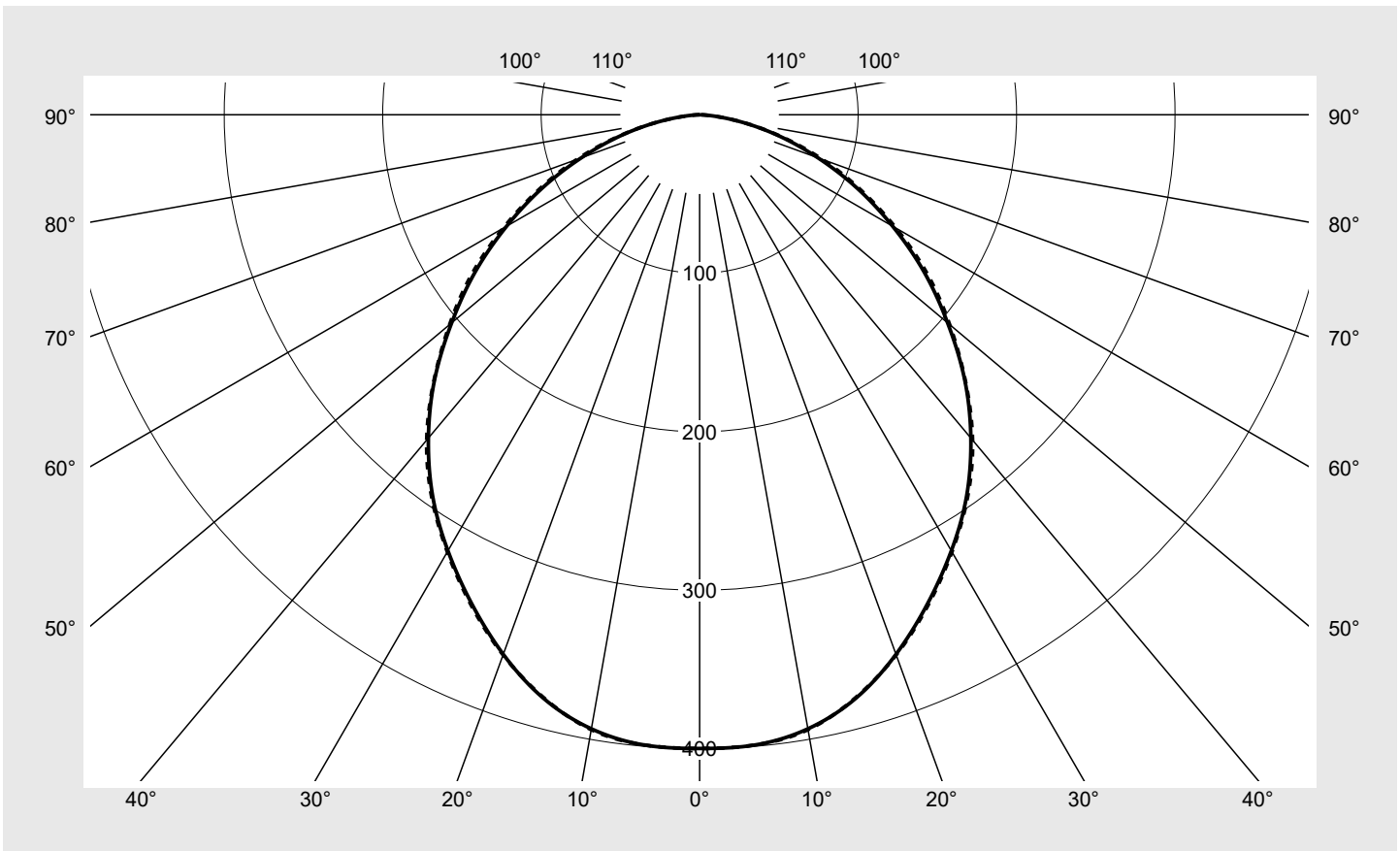
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Luminous intensity in cd/klm

C180-0

C270-90

Imax: 400 cd/klm



Classifications

DIN 5040 A 4 0
CIE N1=51 N2=82 N3=97
N4=100 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 100.0%
 ϕ_o 0.0%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities	Maximum luminous intensity
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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°	399.8	399.8	399.8	399.8	399.8	399.8	399.8	2.4	2.4
5°	399.2	399.4	399.7	399.4	399.4	399.2	399.2	19.1	21.5
10°	393.4	393.9	394.1	394.1	394.1	394.0	394.0	37.5	59.0
15°	381.1	381.0	380.9	381.0	381.3	381.1	380.7	54.1	113.0
20°	362.3	362.4	362.5	362.3	362.5	362.7	362.7	68.0	181.0
25°	340.4	340.4	340.5	340.7	340.8	341.1	341.3	78.9	259.9
30°	317.7	317.5	317.3	317.7	318.3	318.6	318.5	87.1	347.0
35°	293.7	293.2	293.0	293.2	293.8	294.6	294.7	92.3	439.4
40°	266.3	265.5	265.3	265.7	266.1	267.2	268.0	93.8	533.2
45°	236.6	234.8	234.4	234.9	235.8	236.7	237.1	91.3	624.5
50°	204.3	203.5	203.3	203.5	204.4	205.6	206.0	85.8	710.2
55°	172.9	172.8	172.8	173.3	173.7	174.8	175.6	77.9	788.2
60°	140.6	141.0	141.2	141.7	142.3	142.9	143.1	67.3	855.5
65°	109.7	110.5	110.6	111.0	111.7	112.0	112.0	55.2	910.7
70°	79.5	81.0	81.2	81.5	81.7	82.0	82.4	41.9	952.6
75°	52.2	52.5	52.6	53.0	53.2	53.2	53.4	28.0	980.6
80°	27.5	27.6	27.4	27.5	28.0	28.0	27.8	14.9	995.6
85°	8.3	8.4	8.3	8.2	7.9	7.9	7.9	4.4	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	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	1000.0
105°	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	1000.0
115°	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	1000.0
125°	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	1000.0
135°	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	1000.0
145°	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	1000.0
155°	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	1000.0
165°	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	1000.0
175°	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	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	19.1	20.8	19.5	21.1	21.4	19.2	20.8	19.6	21.2	21.5
	3H	20.5	22.0	20.9	22.3	22.7	20.6	22.1	21.0	22.4	22.7
	4H	21.0	22.4	21.4	22.7	23.1	21.1	22.5	21.5	22.8	23.2
	6H	21.3	22.6	21.7	22.9	23.3	21.4	22.7	21.8	23.0	23.4
	8H	21.4	22.6	21.8	23.0	23.4	21.5	22.7	21.9	23.1	23.5
	12H	21.4	22.6	21.9	23.0	23.4	21.5	22.7	22.0	23.0	23.5
4H	2H	19.8	21.2	20.2	21.6	21.9	19.9	21.3	20.3	21.6	22.0
	3H	21.4	22.5	21.8	22.9	23.3	21.4	22.6	21.8	23.0	23.4
	4H	21.9	23.0	22.4	23.4	23.8	22.0	23.1	22.5	23.5	23.9
	6H	22.3	23.3	22.8	23.7	24.1	22.4	23.3	22.9	23.8	24.2
	8H	22.5	23.3	22.9	23.7	24.2	22.5	23.4	23.0	23.8	24.3
	12H	22.5	23.3	23.0	23.7	24.2	22.6	23.3	23.1	23.8	24.3
8H	4H	22.2	23.0	22.7	23.5	24.0	22.3	23.1	22.7	23.6	24.0
	6H	22.7	23.4	23.2	23.8	24.3	22.8	23.5	23.2	23.9	24.4
	8H	22.8	23.4	23.3	23.9	24.4	22.9	23.5	23.4	24.0	24.5
	12H	22.9	23.4	23.4	23.9	24.5	23.0	23.5	23.5	24.0	24.5
12H	4H	22.2	23.0	22.7	23.4	23.9	22.3	23.0	22.8	23.5	24.0
	6H	22.7	23.3	23.2	23.8	24.3	22.8	23.4	23.3	23.9	24.4
	8H	22.9	23.4	23.4	23.9	24.4	23.0	23.5	23.5	24.0	24.5

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 503 B = 503
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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°		8066.6	8004.5	7991.8	8010.3	8041.5	8072.2	8083.8	
50°		7662.1	7634.6	7624.9	7634.0	7667.8	7713.0	7725.5	
55°		7268.5	7262.4	7265.2	7283.2	7301.3	7347.2	7380.0	
60°		6780.7	6801.2	6808.9	6835.1	6864.0	6892.3	6900.5	
65°		6259.0	6303.3	6308.6	6329.7	6369.8	6392.2	6391.6	
70°		5600.8	5708.3	5727.1	5747.0	5756.1	5780.2	5809.6	
75°		4867.1	4893.6	4898.1	4934.7	4954.9	4952.1	4970.0	
80°		3811.8	3826.8	3804.6	3820.4	3883.6	3884.5	3854.7	
85°		2302.1	2311.5	2308.5	2257.3	2173.5	2174.3	2197.0	

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

