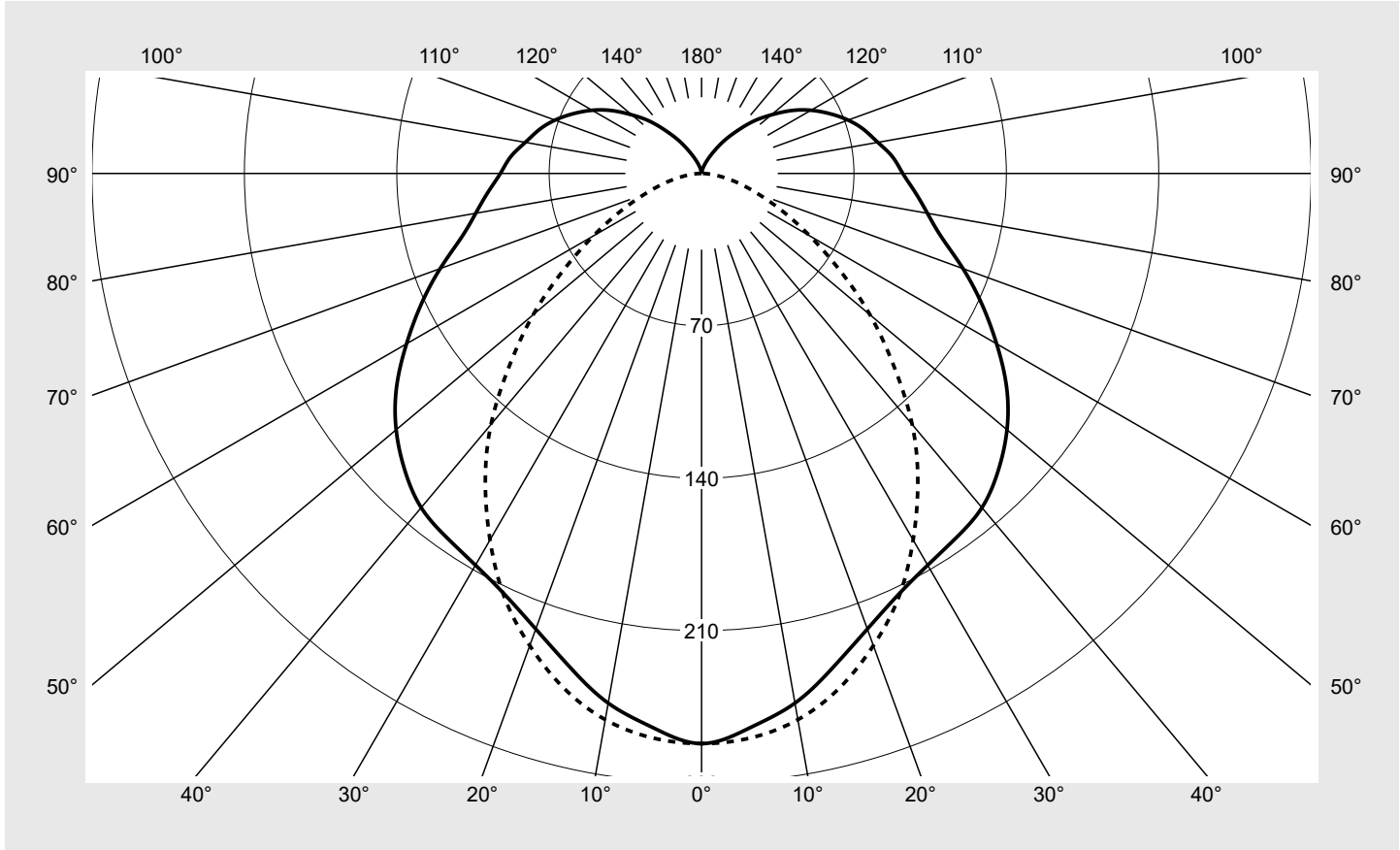


Photometric test report

Family Mira® 21 	Order number: 51FR527K474A EAN: 4058352672525	LP number 59366_6
	Version clean room luminaire, cover frosted, PMMA, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Rated values Net luminous flux = 7330 lm Power consumption = 52.0 W Luminous efficacy = 141 lm/W	serial documentation 21.12.2022

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 262 cd/klm**



Classifications	
DIN 5040	B 3 1
CIE	N1=40 N2=68 N3=87 N4=81 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	80.8%
ϕ_o	19.2%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Mira® 21	Order number: 51FR527K474A EAN: 4058352672525	LP number 59366_6
Table of values for luminous intensities		Maximum luminous intensity
		siteco

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°	261.9	261.9	261.9	261.9	261.9	261.9	261.9	1.6	1.6
5°	255.5	259.2	258.9	260.7	260.8	259.9	260.2	12.4	14.0
10°	247.0	249.9	250.4	252.7	253.4	253.8	254.7	24.0	37.9
15°	234.5	237.1	237.7	240.0	241.7	243.4	244.7	34.0	72.0
20°	222.7	224.5	223.4	225.1	226.7	228.5	230.8	42.3	114.3
25°	213.6	213.4	210.6	209.4	208.9	211.3	214.5	48.9	163.3
30°	207.7	206.9	201.4	195.9	192.0	192.3	194.4	54.3	217.6
35°	204.1	201.9	193.7	184.1	175.1	171.6	173.2	58.4	276.0
40°	200.4	197.1	187.3	172.6	158.0	150.3	150.5	61.1	337.1
45°	192.8	189.8	179.1	161.3	141.8	128.0	124.8	61.9	399.1
50°	183.1	179.7	169.3	150.3	126.6	107.1	101.0	61.2	460.3
55°	171.0	167.8	158.3	138.6	112.9	88.5	77.5	59.1	519.5
60°	156.5	153.7	144.7	126.3	100.6	71.8	57.4	55.7	575.2
65°	142.1	139.1	130.9	113.8	88.8	58.5	41.1	51.6	626.7
70°	127.8	125.2	118.0	101.5	78.3	48.1	27.9	47.1	673.8
75°	114.3	112.4	105.4	91.2	68.7	38.6	18.1	42.6	716.4
80°	105.3	103.2	97.1	83.1	61.1	32.2	10.1	39.1	755.5
85°	98.5	96.7	91.0	76.9	55.2	26.6	4.2	36.2	791.7
90°	92.4	90.8	84.6	71.1	49.2	21.4	0.7	33.2	824.9
95°	88.0	85.5	79.4	64.9	43.4	17.5	0.7	30.5	855.4
100°	82.2	80.5	73.7	59.1	38.0	13.6	0.4	27.5	883.0
105°	77.3	74.7	67.6	53.5	32.8	10.6	0.9	24.6	907.5
110°	71.6	69.0	62.0	47.0	27.4	8.2	0.3	21.4	928.9
115°	65.0	62.7	55.3	41.0	22.5	5.9	0.7	18.2	947.2
120°	58.0	55.5	48.1	34.6	17.7	4.6	0.7	15.0	962.2
125°	50.3	48.0	40.9	28.0	13.3	3.6	0.3	11.9	974.1
130°	41.9	40.1	33.0	22.0	9.9	2.5	0.8	9.0	983.1
135°	34.1	31.8	26.0	16.4	7.1	2.1	0.3	6.5	989.6
140°	25.7	24.3	19.1	11.3	5.0	1.6	0.6	4.4	994.0
145°	18.8	17.3	13.1	7.9	3.5	1.2	0.5	2.8	996.7
150°	12.5	11.7	8.6	5.1	2.6	1.2	0.6	1.6	998.4
155°	7.9	7.1	5.1	3.4	1.9	0.9	0.5	0.9	999.2
160°	4.8	4.1	3.1	2.4	1.4	0.8	0.8	0.5	999.7
165°	2.6	2.1	1.9	1.3	1.0	0.7	0.4	0.2	999.9
170°	1.0	1.1	0.9	1.0	0.8	0.7	0.6	0.1	1000.0
175°	0.5	0.5	0.6	0.7	0.7	0.6	0.8	0.0	1000.0
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	1000.0

Photometric test report

Family Mira® 21	Order number: 51FR527K474A EAN: 4058352672525	LP number 59366_6
---------------------------	--	-----------------------------

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	20.8	22.3	21.3	22.8	23.4	19.0	20.5	19.5	21.0	21.6
	3H	22.6	24.0	23.1	24.5	25.1	19.9	21.4	20.5	21.9	22.5
	4H	23.5	24.7	24.0	25.3	26.0	20.3	21.6	20.8	22.2	22.8
	6H	24.3	25.5	24.9	26.1	26.8	20.5	21.8	21.1	22.4	23.0
	8H	24.7	25.8	25.3	26.4	27.1	20.6	21.8	21.1	22.3	23.0
	12H	25.2	26.2	25.8	26.8	27.5	20.6	21.7	21.2	22.3	23.0
4H	2H	21.3	22.7	21.9	23.2	23.8	19.9	21.2	20.5	21.8	22.4
	3H	23.4	24.5	24.0	25.1	25.8	21.3	22.4	21.9	23.0	23.7
	4H	24.4	25.5	25.0	26.1	26.8	21.9	22.9	22.5	23.5	24.2
	6H	25.5	26.4	26.1	27.0	27.8	22.3	23.2	22.9	23.9	24.6
	8H	26.0	26.8	26.6	27.5	28.2	22.4	23.3	23.1	24.0	24.7
	12H	26.5	27.2	27.2	27.9	28.7	22.5	23.3	23.2	24.0	24.8
8H	4H	24.7	25.6	25.4	26.2	27.0	22.6	23.4	23.3	24.1	24.9
	6H	26.0	26.7	26.7	27.4	28.2	23.4	24.1	24.1	24.8	25.6
	8H	26.7	27.3	27.4	28.0	28.9	23.7	24.4	24.4	25.1	25.9
	12H	27.4	27.9	28.1	28.7	29.5	24.0	24.6	24.7	25.3	26.1
12H	4H	24.8	25.5	25.4	26.2	27.0	22.8	23.5	23.5	24.2	25.0
	6H	26.1	26.8	26.8	27.5	28.3	23.7	24.3	24.4	25.0	25.9
	8H	26.9	27.4	27.6	28.2	29.0	24.2	24.7	24.9	25.5	26.3

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1196	H(C0) = 65	H(C180) = 65
			B = 55	H(C90) = 0	H(C270) = 0

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°		13924.4	13966.2	13947.7	13848.7	14042.1	15451.9	19665.3	
50°		13182.5	13194.6	13223.7	13054.1	12879.0	13604.4	17506.9	
55°		12363.0	12395.1	12493.9	12272.8	11895.1	11967.6	15053.7	
60°		11446.9	11502.1	11626.6	11499.0	11078.5	10458.5	12797.7	
65°		10600.0	10636.1	10799.7	10748.8	10323.3	9312.2	10845.6	
70°		9803.2	9864.2	10083.4	10035.9	9718.4	8507.7	9077.6	
75°		9099.1	9195.7	9417.8	9529.8	9229.9	7752.8	7793.2	
80°		8776.9	8861.6	9161.7	9292.6	9014.5	7555.2	6488.3	
85°		8676.5	8804.7	9158.0	9317.4	9104.0	7556.0	5395.4	

Photometric test report

Family Mira® 21	Order number: 51FR527K474A EAN: 4058352672525	LP number 59366_6
----------------------------------	--	------------------------------------

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

