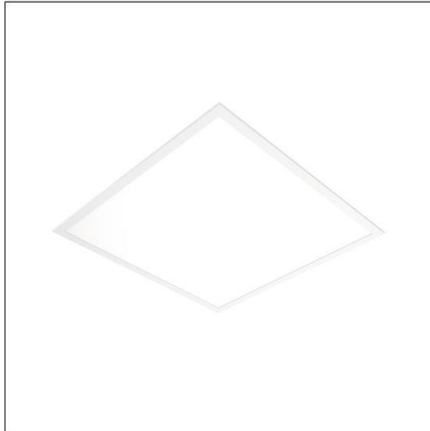


Photometric test report

Family
Apollon® 41

Order number: 51MH12WD2443
EAN: 4058352930977

LP number
59525_22



Version recessed luminaire for lay-in mounting, square M600, wide distribution, UGR≤19 (L65≤3000cd/m²)

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG-DALI

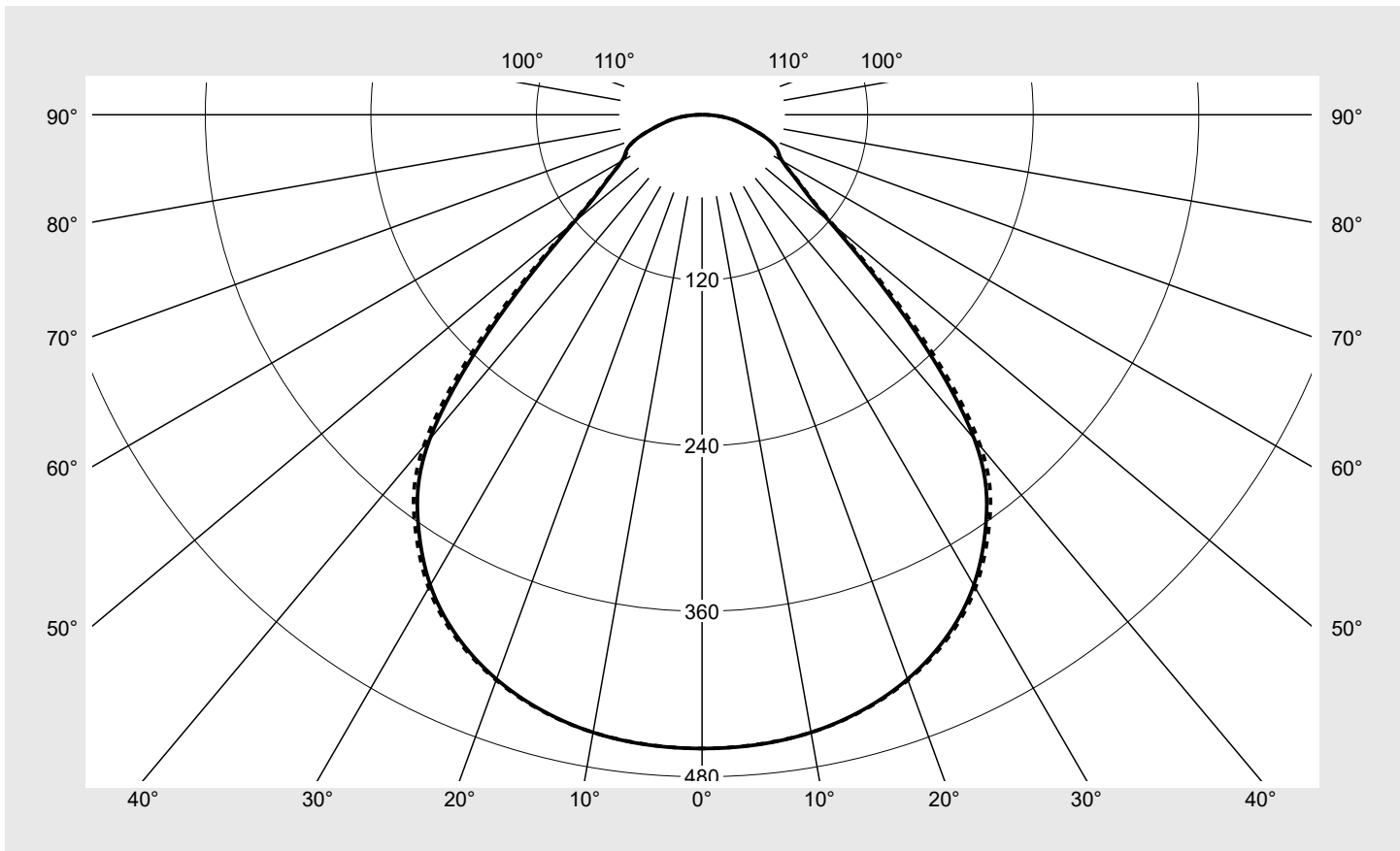
Rated values Net luminous flux = 3500 lm
Power consumption = 28.5 W
Luminous efficacy = 122.8 lm/W

serial
documentation
20.12.2023

sitEco

Luminous intensity in cd/klm C180-0 C270-90

Imax: 460 cd/klm



Classifications

DIN 5040 A 5 0
CIE N1=61 N2=87 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

Photometric test report

Family Apollon® 41	Order number: 51MH12WD2443 EAN: 4058352930977	LP number 59525_22
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°	459.5	459.5	459.5	459.5	459.5	459.5	459.5	2.7	2.7
5°	458.5	458.6	458.6	458.5	458.4	458.4	458.3	21.9	24.7
10°	454.8	454.7	454.7	454.6	454.5	454.6	454.8	43.3	67.9
15°	447.3	447.2	447.2	447.1	447.1	447.4	447.7	63.4	131.4
20°	435.5	435.6	435.6	435.5	435.4	435.9	436.3	81.7	213.1
25°	418.3	418.2	418.1	417.9	417.9	418.8	419.8	96.9	310.0
30°	393.9	392.9	392.0	391.8	391.7	394.0	396.2	107.7	417.6
35°	359.0	358.1	357.3	357.0	356.7	359.8	362.9	112.7	530.3
40°	307.0	305.1	303.5	302.7	302.0	308.1	314.2	107.6	637.9
45°	209.9	219.5	229.2	228.5	227.9	223.6	219.4	86.8	724.7
50°	121.1	152.8	184.6	184.6	184.5	154.4	124.3	68.8	793.5
55°	85.1	114.1	143.1	142.6	142.1	114.1	86.2	55.5	849.0
60°	67.2	85.5	103.9	103.9	103.9	85.2	66.6	43.5	892.4
65°	60.3	67.1	74.0	73.7	73.5	66.6	59.7	34.4	926.8
70°	49.9	54.2	58.5	57.8	57.2	53.7	50.2	28.4	955.2
75°	35.1	40.7	46.3	45.7	45.1	40.2	35.4	22.4	977.6
80°	24.2	25.1	26.1	25.6	25.0	24.9	24.7	13.6	991.2
85°	13.0	14.1	15.3	15.2	15.1	14.0	12.9	7.9	999.1
90°	1.4	1.6	1.9	1.8	1.8	1.5	1.2	0.9	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

Photometric test report

Family Apollon® 41	Order number: 51MH12WD2443 EAN: 4058352930977	LP number 59525_22
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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	14.8	16.4	15.2	16.7	17.0	14.8	16.4	15.2	16.7	17.0
	3H	15.7	17.1	16.1	17.5	17.8	15.7	17.1	16.1	17.5	17.8
	4H	16.2	17.5	16.6	17.9	18.2	16.2	17.5	16.6	17.9	18.2
	6H	16.6	17.8	17.0	18.2	18.5	16.6	17.8	17.0	18.2	18.6
	8H	16.8	17.9	17.2	18.3	18.7	16.8	17.9	17.2	18.3	18.7
	12H	16.9	18.0	17.4	18.4	18.8	17.0	18.0	17.4	18.4	18.8
4H	2H	15.4	16.7	15.8	17.0	17.4	15.4	16.7	15.8	17.0	17.4
	3H	16.6	17.7	17.0	18.1	18.5	16.6	17.7	17.0	18.0	18.5
	4H	17.2	18.2	17.7	18.6	19.0	17.2	18.2	17.6	18.6	19.0
	6H	17.7	18.6	18.2	19.0	19.5	17.7	18.6	18.2	19.0	19.4
	8H	18.0	18.7	18.4	19.2	19.7	17.9	18.7	18.4	19.2	19.6
	12H	18.2	18.8	18.7	19.3	19.8	18.1	18.8	18.6	19.3	19.8
8H	4H	17.6	18.3	18.0	18.8	19.3	17.5	18.3	18.0	18.8	19.2
	6H	18.2	18.9	18.7	19.3	19.8	18.2	18.8	18.7	19.3	19.8
	8H	18.5	19.1	19.0	19.6	20.1	18.5	19.1	19.0	19.5	20.1
	12H	18.8	19.3	19.3	19.8	20.3	18.8	19.3	19.3	19.8	20.3
12H	4H	17.6	18.3	18.1	18.7	19.2	17.6	18.3	18.1	18.7	19.2
	6H	18.3	18.8	18.8	19.3	19.9	18.3	18.8	18.8	19.3	19.8
	8H	18.7	19.1	19.2	19.6	20.2	18.6	19.1	19.1	19.6	20.1

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 555 B = 555
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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°		3373.2	3527.9	3682.6	3672.3	3662.0	3593.7	3525.5	
50°		2139.9	2701.9	3263.9	3263.0	3262.1	2729.8	2197.5	
55°		1684.9	2259.6	2834.3	2824.5	2814.7	2260.8	1706.8	
60°		1526.5	1943.5	2360.5	2360.5	2360.5	1936.8	1513.0	
65°		1621.2	1804.8	1988.4	1982.7	1977.0	1791.1	1605.3	
70°		1656.5	1799.7	1942.9	1921.1	1899.3	1782.8	1666.4	
75°		1541.8	1788.1	2034.3	2006.8	1979.2	1766.2	1553.1	
80°		1580.3	1643.0	1705.6	1672.1	1638.4	1628.7	1619.1	
85°		1691.5	1843.3	1995.2	1983.6	1972.0	1829.1	1686.2	

Photometric test report

Family Apollon® 41	Order number: 51MH12WD2443 EAN: 4058352930977	LP number 59525_22
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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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