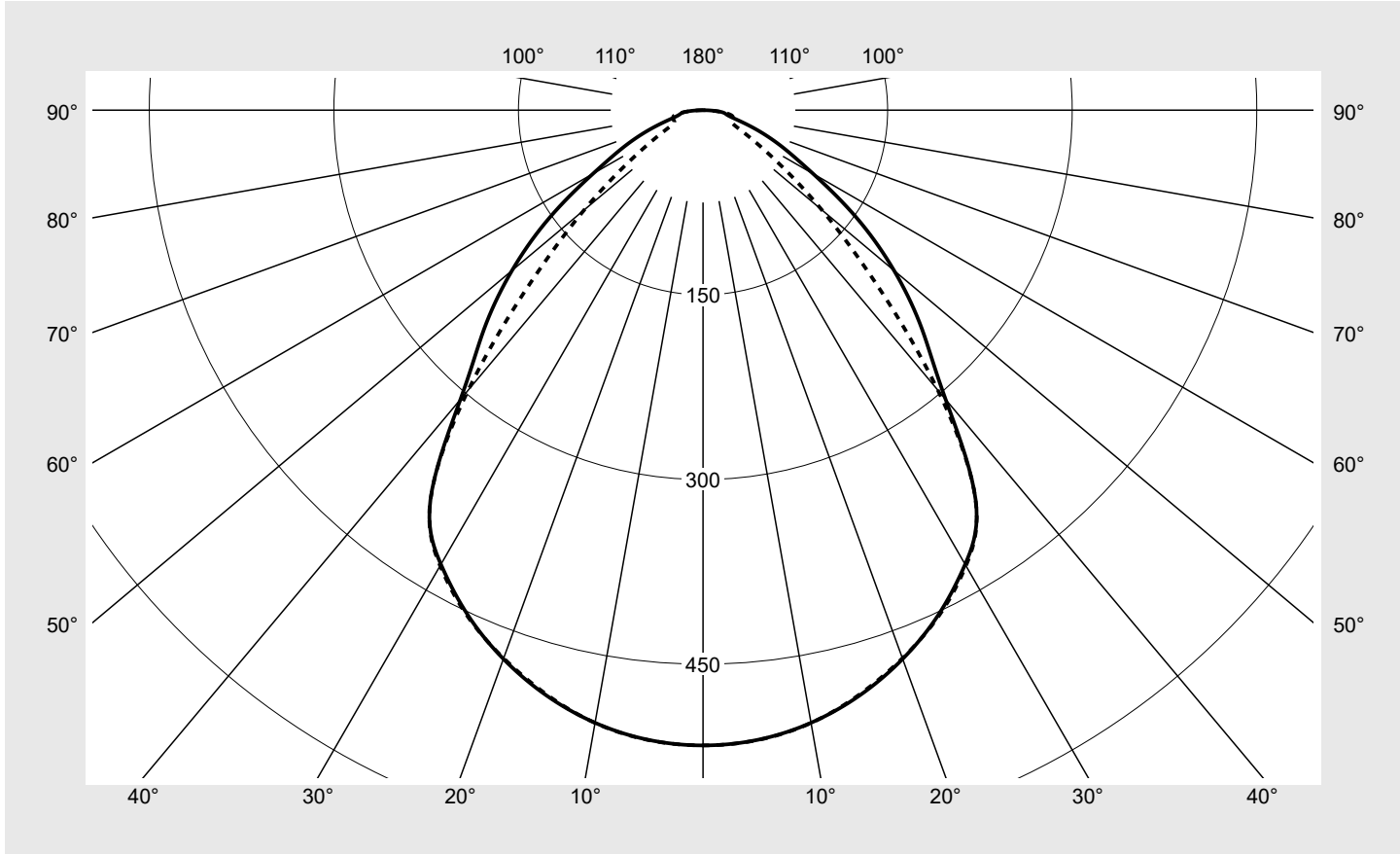


# Photometric test report

<b>Family</b> Apollon® 21	<b>Order number: 51MQ11HM2415</b> <b>EAN: 4069025329608</b>	<b>LP number</b> 59818_116
<b>Version</b>	recessed luminaire for lay-in mounting, square M625, wide distribution, UGR≤22	<b>serial documentation</b> 25.07.2025
<b>Lamps</b>	LED 4000 K   CRI ≥ 80	
<b>Controlgear</b>	ECG Multilumen	
<b>Setting</b>	factory setting: DIP-Step=7	
<b>Rated values</b>	Net luminous flux = 7400 lm Power consumption = 43.5 W Luminous efficacy = 170.1 lm/W	



**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 516 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=66 N2=91 N3=97 N4=100 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	100.0%
$\phi_o$	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

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<b>Family</b> Apollon® 21	<b>Order number: 51MQ11HM2415</b> <b>EAN: 4069025329608</b>	<b>LP number</b> 59818_116
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

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°	516.0	516.0	516.0	516.0	516.0	516.0	516.0	3.1	3.1
5°	513.4	513.4	513.6	513.4	513.9	513.6	513.5	24.5	27.6
10°	505.3	505.3	505.6	505.3	505.7	505.3	505.4	48.1	75.7
15°	492.1	492.0	492.0	491.8	492.0	491.7	491.3	69.8	145.5
20°	474.4	474.2	473.9	473.5	473.9	473.8	473.7	88.8	234.4
25°	452.4	452.9	452.9	451.7	452.0	452.8	453.3	104.8	339.2
30°	426.0	426.7	426.7	424.4	424.8	426.0	427.3	116.7	455.9
35°	386.2	386.6	387.0	382.5	382.5	384.2	386.1	121.0	576.9
40°	306.7	305.0	301.7	300.2	301.5	298.7	296.8	106.2	683.1
45°	251.7	228.7	212.0	224.1	237.2	214.4	198.2	86.7	769.8
50°	202.6	172.2	139.6	166.0	189.8	152.6	126.0	68.9	838.7
55°	152.2	114.4	83.4	112.2	145.8	97.1	74.5	49.9	888.5
60°	103.3	69.1	47.6	69.2	105.6	58.8	43.1	33.5	922.0
65°	71.5	44.6	28.0	45.9	71.7	40.4	27.2	23.2	945.2
70°	46.4	39.5	24.6	40.3	46.2	37.1	25.1	19.2	964.4
75°	26.4	35.4	24.1	35.0	24.6	35.6	25.0	15.9	980.3
80°	19.1	24.0	22.5	23.8	21.7	25.4	23.2	12.5	992.8
85°	13.5	12.5	12.3	12.2	14.2	13.2	12.9	7.1	999.8
90°	0.4	0.4	0.3	0.3	0.2	0.3	0.3	0.2	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 <b>Apollon® 21</b>	Order number: <b>51MQ11HM2415</b> EAN: <b>4069025329608</b>	LP number <b>59818_116</b>
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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	17.3	18.7	17.6	19.1	19.4	17.1	18.6	17.4	18.9	19.2
	3H	17.9	19.2	18.3	19.6	19.9	17.4	18.8	17.8	19.1	19.5
	4H	18.3	19.5	18.7	19.8	20.2	17.8	19.0	18.2	19.4	19.8
	6H	18.6	19.7	19.0	20.1	20.5	18.3	19.4	18.7	19.8	20.2
	8H	18.8	19.8	19.2	20.2	20.6	18.5	19.6	19.0	20.0	20.4
	12H	19.0	19.9	19.4	20.3	20.7	18.7	19.7	19.2	20.1	20.5
4H	2H	17.5	18.7	17.9	19.1	19.4	17.3	18.6	17.7	18.9	19.3
	3H	18.2	19.2	18.6	19.6	20.0	18.0	19.0	18.4	19.4	19.8
	4H	18.7	19.6	19.1	20.0	20.5	18.5	19.4	18.9	19.8	20.3
	6H	19.2	20.0	19.7	20.5	20.9	19.2	20.0	19.6	20.4	20.9
	8H	19.5	20.2	20.0	20.7	21.1	19.5	20.2	20.0	20.7	21.2
	12H	19.8	20.4	20.3	20.9	21.4	19.8	20.4	20.3	20.9	21.4
8H	4H	18.9	19.6	19.4	20.1	20.6	18.7	19.4	19.2	19.9	20.4
	6H	19.6	20.2	20.1	20.7	21.2	19.5	20.1	20.0	20.6	21.1
	8H	20.0	20.5	20.5	21.0	21.5	20.0	20.5	20.5	21.0	21.5
	12H	20.4	20.8	20.9	21.3	21.8	20.4	20.8	20.9	21.3	21.9
12H	4H	19.0	19.6	19.4	20.1	20.5	18.8	19.4	19.3	19.9	20.4
	6H	19.7	20.2	20.2	20.7	21.2	19.7	20.2	20.2	20.6	21.2
	8H	20.1	20.6	20.7	21.1	21.6	20.1	20.6	20.7	21.1	21.6

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 555</b> <b>B = 555</b>
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C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>						
		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°	45°	8553.2	7769.2	7203.3	7615.2	8059.8	7285.0	6734.9
50°	50°	7573.8	6437.4	5216.1	6202.5	7093.2	5704.3	4710.2
55°	55°	6376.3	4791.0	3494.0	4700.1	6104.7	4067.5	3121.9
60°	60°	4961.7	3318.2	2288.5	3325.6	5072.0	2825.9	2070.7
65°	65°	4065.9	2534.5	1589.7	2607.6	4073.5	2298.3	1547.6
70°	70°	3260.3	2775.4	1729.1	2827.8	3246.6	2605.8	1766.5
75°	75°	2450.8	3284.4	2240.7	3250.2	2280.6	3307.6	2321.9
80°	80°	2643.8	3326.3	3113.7	3298.1	2999.1	3508.2	3211.6
85°	85°	3713.8	3438.1	3402.3	3371.4	3904.8	3635.8	3568.8

**Photometric test report**

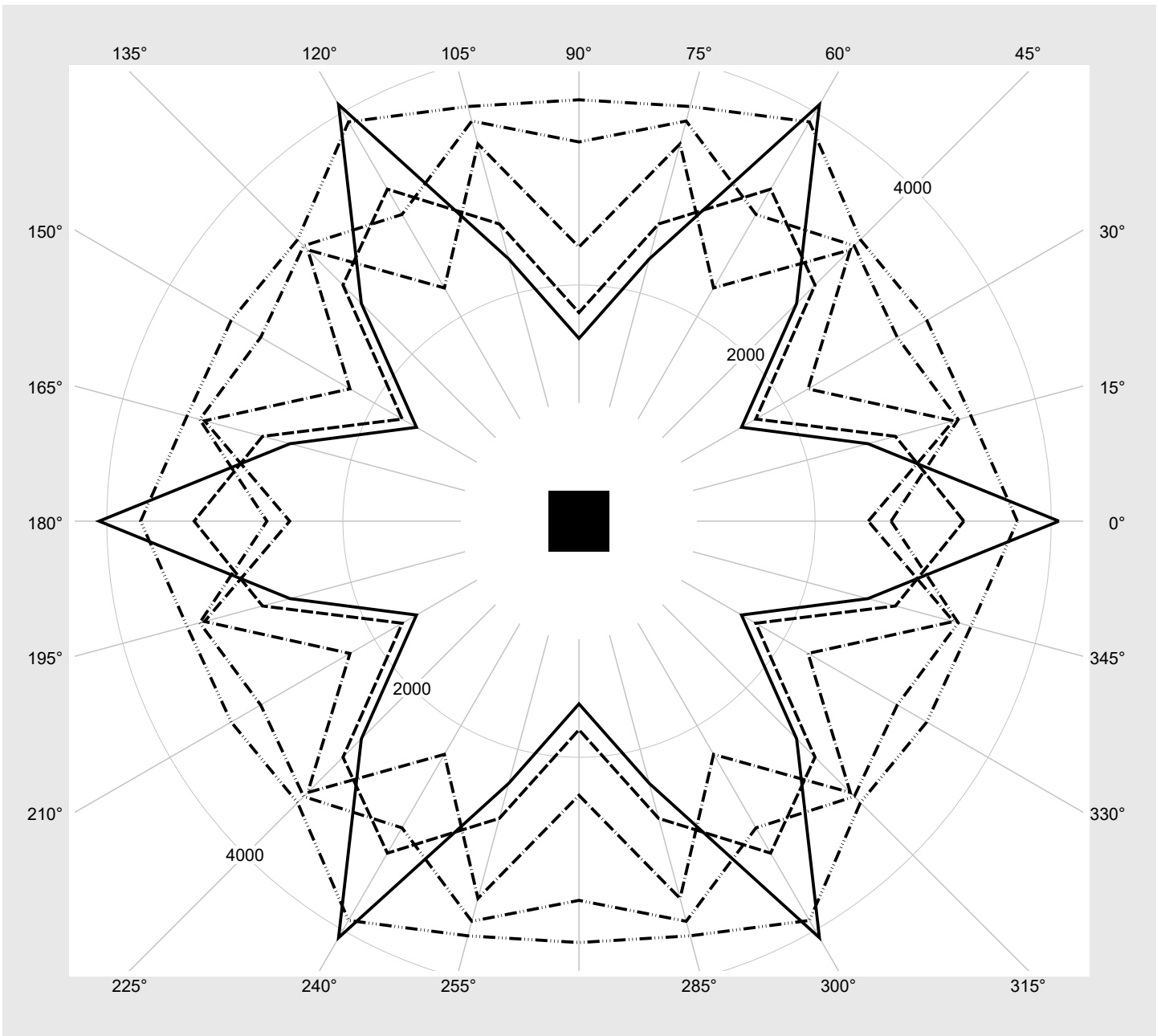
**Family**  
Apollon® 21

**Order number: 51MQ11HM2415**  
**EAN: 4069025329608**

**LP number**  
59818\_116

**Luminance values in cd/m<sup>2</sup>**

$\gamma$  65°  
   $\gamma$  70°  
   $\gamma$  75°  
   $\gamma$  80°  
   $\gamma$  85°



## Photometric test report

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<b>Multilumen Table</b>	environmental temperature: 25°C	<b>sITeco</b>
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	7400	43.5
6	OFF	ON	ON	7110	41.6
5	ON	OFF	ON	6810	39.7
4	OFF	OFF	ON	6500	37.7
3	ON	ON	OFF	6050	34.9
2	OFF	ON	OFF	5720	32.9
1	ON	OFF	OFF	5400	30.9
0	OFF	OFF	OFF	5060	28.8