

Photometric test report

Family
Apollon® 21

Order number: 51MQ18WD2412
EAN: 4058352490815

LP number
59194_4



Version recessed luminaire for lay-in mounting, linear, wide distribution, $UGR \leq 19$ ($L65 \leq 3000 \text{ cd/m}^2$)

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG-DALI

Rated values Net luminous flux = 4000 lm
Power consumption = 33.0 W
Luminous efficacy = 121.2 lm/W

serial
documentation
30.07.2021

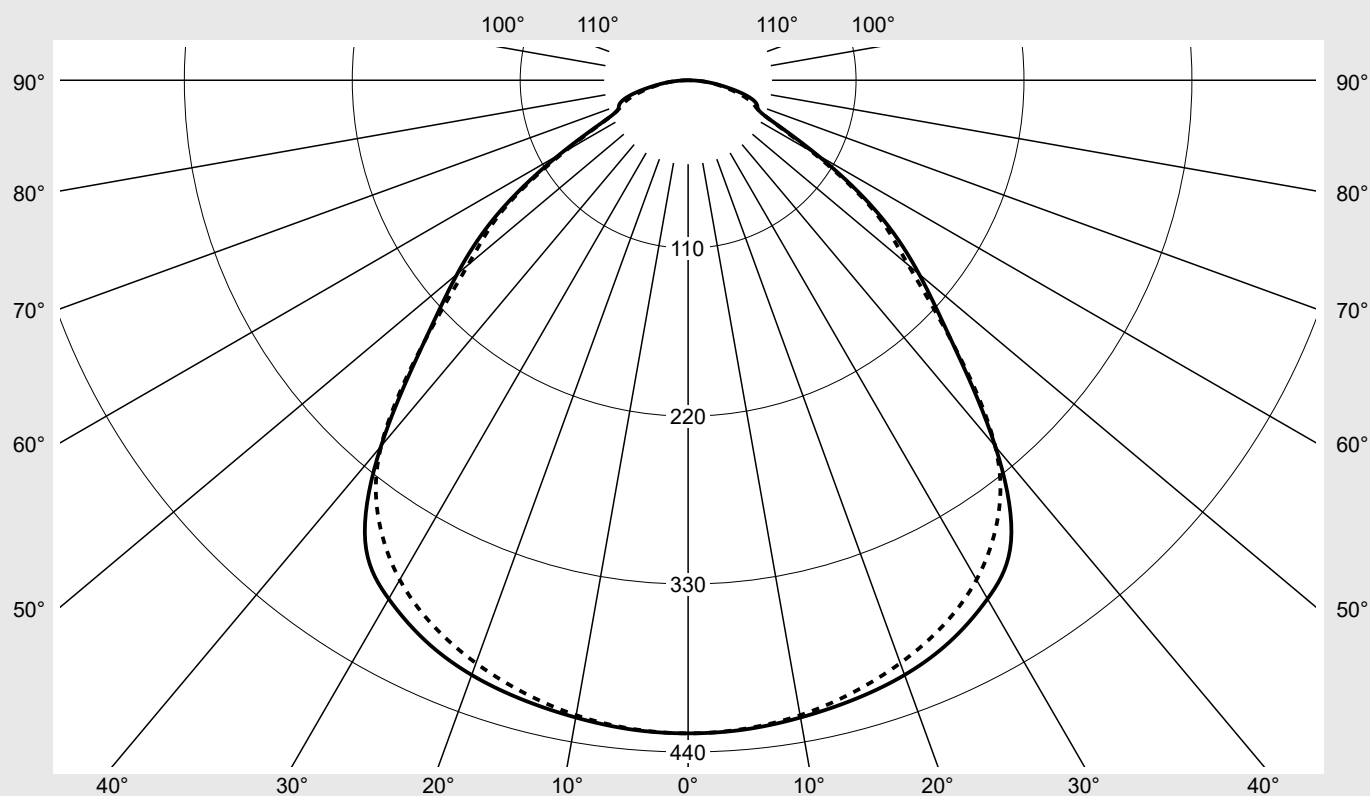
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 428 cd/klm



Classifications

DIN 5040 A 5 0
CIE N1=60 N2=89 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® 21	Order number: 51MQ18WD2412 EAN: 4058352490815	LP number 59194_4
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	427.8	427.8	427.8	427.8	427.8	427.8	427.8	2.6	2.6
5°	426.9	426.6	426.3	426.2	426.2	426.2	426.4	20.4	22.9
10°	423.9	423.6	423.1	422.4	422.1	422.1	422.3	40.2	63.2
15°	419.9	419.2	418.2	416.9	416.0	415.4	415.4	59.2	122.4
20°	414.5	413.1	411.3	409.1	407.6	406.7	406.3	76.8	199.2
25°	405.7	403.8	401.2	398.1	396.1	394.9	394.5	92.4	291.6
30°	392.2	389.6	386.3	382.3	379.9	378.4	377.8	105.1	396.7
35°	368.8	365.8	362.4	358.4	356.2	354.4	352.9	113.1	509.8
40°	313.0	312.4	311.9	311.7	314.0	314.4	312.9	110.2	620.1
45°	246.3	246.6	246.4	245.9	250.2	250.5	246.8	96.0	716.1
50°	197.5	194.2	190.7	189.5	193.4	193.0	188.2	80.7	796.8
55°	151.7	147.7	142.8	142.7	147.3	149.0	147.9	65.8	862.6
60°	97.2	96.7	96.1	95.4	94.8	94.1	93.5	45.3	907.9
65°	56.1	56.7	57.3	57.9	57.3	56.7	56.1	28.3	936.2
70°	48.2	47.8	47.4	48.0	47.4	46.5	45.6	24.4	960.6
75°	40.3	39.0	37.5	38.1	37.6	36.3	35.1	20.0	980.5
80°	24.7	23.9	22.9	23.4	26.1	25.7	22.3	13.1	993.6
85°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	6.2	999.8
90°	0.2	0.3	0.3	0.3	0.3	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 Apollon® 21	Order number: 51MQ18WD2412 EAN: 4058352490815	LP number 59194_4
-----------------------	--	----------------------

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	16.3	17.8	16.6	18.1	18.5	16.2	17.8	16.6	18.1	18.4
	3H	16.9	18.3	17.2	18.6	18.9	16.8	18.2	17.2	18.5	18.9
	4H	17.3	18.6	17.7	18.9	19.3	17.2	18.5	17.5	18.8	19.2
	6H	17.7	18.9	18.1	19.2	19.6	17.5	18.7	17.9	19.1	19.4
	8H	17.9	19.0	18.3	19.3	19.7	17.7	18.8	18.1	19.1	19.5
	12H	18.0	19.0	18.4	19.4	19.8	17.8	18.8	18.2	19.2	19.6
4H	2H	16.6	17.9	17.0	18.2	18.6	16.5	17.8	16.9	18.2	18.5
	3H	17.4	18.4	17.8	18.8	19.2	17.3	18.4	17.7	18.8	19.2
	4H	17.9	18.9	18.4	19.3	19.8	17.8	18.8	18.2	19.2	19.6
	6H	18.5	19.3	18.9	19.7	20.2	18.3	19.2	18.8	19.6	20.1
	8H	18.7	19.4	19.1	19.9	20.3	18.5	19.3	19.0	19.7	20.2
	12H	18.8	19.5	19.3	20.0	20.5	18.7	19.4	19.2	19.8	20.3
8H	4H	18.2	18.9	18.6	19.4	19.9	18.1	18.8	18.5	19.3	19.7
	6H	18.8	19.4	19.3	19.9	20.4	18.7	19.4	19.2	19.8	20.3
	8H	19.1	19.6	19.6	20.1	20.6	19.0	19.6	19.5	20.1	20.6
	12H	19.3	19.8	19.8	20.3	20.8	19.3	19.7	19.8	20.2	20.8
12H	4H	18.2	18.9	18.7	19.3	19.8	18.1	18.8	18.6	19.2	19.7
	6H	18.9	19.4	19.4	19.9	20.4	18.8	19.3	19.3	19.8	20.4
	8H	19.2	19.6	19.7	20.1	20.7	19.1	19.6	19.6	20.1	20.6

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1148 B = 248	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	4893.5	4899.0	4896.3	4885.5	4971.9	4978.1	4903.9
50°	4316.8	4244.6	4168.7	4141.5	4227.8	4218.7	4114.3
55°	3715.3	3618.2	3498.9	3495.3	3608.0	3650.9	3623.8
60°	2730.7	2717.5	2699.5	2681.5	2663.3	2645.3	2627.3
65°	1863.7	1883.6	1903.6	1923.5	1903.6	1883.6	1863.7
70°	1978.8	1964.6	1946.5	1970.7	1948.6	1908.7	1872.8
75°	2186.3	2116.5	2035.9	2067.7	2041.6	1968.6	1905.9
80°	1997.6	1929.7	1856.5	1892.1	2111.9	2083.2	1805.9
85°	1833.7	1840.9	1839.3	1837.7	1836.1	1834.5	1832.9

Photometric test report

Family Apollon® 21	Order number: 51MQ18WD2412 EAN: 4058352490815	LP number 59194_4
Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°		

siteco

