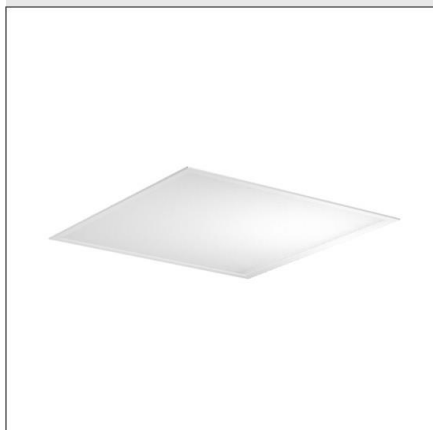


Lichttechnischer Prüfbefund

Familie
Apollon® 21

Bestell-Nr.: 51MQ12WD2453
EAN: 4058352467244

LP-Nummer
59249_1



Ausführung Einbauleuchte für Einlegemontage, quadratisch M600, breit strahlend, UGR≤19 (L65≤3000cd/m²)

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 4000 lm
Systemleistung = 33.0 W
Lichtausbeute = 121.2 lm/W

Seriendokumentation
14.12.2021

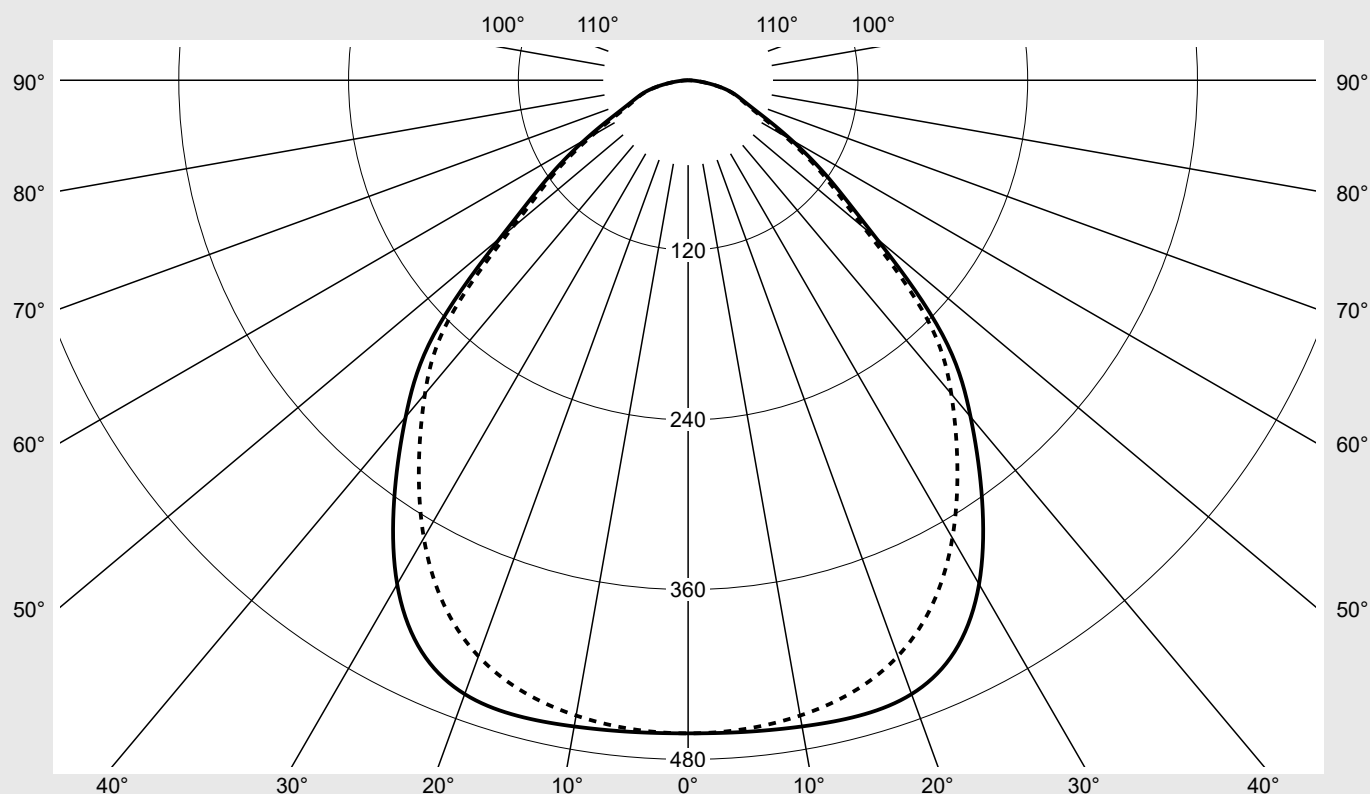
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 465 cd/klm



Klassifizierungen

DIN 5040 A 5 0
CIE N1=62 N2=88 N3=98
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Apollon® 21	Bestell-Nr.: 51MQ12WD2453 EAN: 4058352467244	LP-Nummer 59249_1
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Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	sITeco
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C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe Phi-Zone	
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°				
Lichtstärke in cd/klm								Lichtstrom in lm/klm		
γ										
0°	461.6	461.6	461.6	461.6	461.6	461.6	461.6	2.8	2.8	
5°	462.3	462.0	461.7	461.3	460.9	460.5	460.3	22.0	24.8	
10°	463.8	462.9	461.5	459.7	458.0	456.8	456.0	43.8	68.6	
15°	465.1	463.0	459.7	455.4	451.8	449.3	447.9	64.7	133.2	
20°	461.7	458.0	452.6	445.3	439.3	435.3	433.2	83.7	216.9	
25°	445.6	441.4	434.6	425.3	417.3	411.7	408.7	98.7	315.7	
30°	411.3	408.5	402.8	394.4	384.9	377.9	373.6	107.8	423.5	
35°	362.3	362.5	360.2	355.4	345.4	337.5	331.8	110.5	534.0	
40°	310.6	310.7	309.4	306.6	299.8	294.0	289.4	106.9	640.9	
45°	254.1	245.4	237.1	229.3	232.7	236.0	239.3	92.2	733.1	
50°	173.4	173.4	171.6	167.9	170.6	168.8	162.5	71.4	804.5	
55°	122.1	122.9	124.1	125.8	124.5	121.4	116.6	55.2	859.7	
60°	84.2	93.7	97.1	94.6	98.0	92.8	78.9	44.1	903.8	
65°	55.8	72.0	77.6	72.5	78.2	71.4	52.2	35.2	939.1	
70°	40.8	53.1	58.8	57.8	59.4	53.4	39.6	27.7	966.8	
75°	30.8	34.8	37.2	38.0	37.4	34.9	30.3	18.8	985.6	
80°	17.9	18.6	19.7	21.1	20.0	18.8	17.7	10.4	996.0	
85°	6.1	6.5	7.1	8.1	7.2	6.6	6.0	3.8	999.8	
90°	0.4	0.4	0.3	0.3	0.3	0.4	0.5	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	

Lichttechnischer Prüfbefund

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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	15,7	17,2	16,0	17,5	17,9	15,5	17,0	15,9	17,4	17,7
	3H	16,5	17,9	16,9	18,2	18,5	16,3	17,7	16,7	18,0	18,4
	4H	16,8	18,1	17,2	18,4	18,8	16,7	17,9	17,1	18,3	18,7
	6H	17,0	18,2	17,4	18,6	19,0	16,9	18,1	17,3	18,4	18,8
	8H	17,1	18,2	17,6	18,6	19,0	17,0	18,1	17,4	18,5	18,9
	12H	17,2	18,2	17,6	18,6	19,0	17,0	18,0	17,5	18,4	18,9
4H	2H	16,1	17,4	16,5	17,8	18,2	16,0	17,3	16,4	17,6	18,0
	3H	17,2	18,3	17,6	18,7	19,1	17,1	18,2	17,5	18,6	19,0
	4H	17,7	18,6	18,1	19,0	19,5	17,6	18,5	18,0	18,9	19,4
	6H	18,0	18,8	18,4	19,2	19,7	17,9	18,7	18,4	19,2	19,6
	8H	18,1	18,8	18,5	19,3	19,8	18,0	18,8	18,5	19,2	19,7
	12H	18,1	18,8	18,6	19,3	19,8	18,1	18,7	18,5	19,2	19,7
8H	4H	17,9	18,7	18,4	19,1	19,6	17,8	18,6	18,3	19,0	19,5
	6H	18,3	18,9	18,8	19,4	19,9	18,2	18,9	18,7	19,3	19,8
	8H	18,4	19,0	18,9	19,5	20,0	18,4	18,9	18,9	19,4	19,9
	12H	18,5	19,0	19,0	19,5	20,0	18,5	18,9	19,0	19,4	20,0
12H	4H	17,9	18,6	18,4	19,1	19,6	17,9	18,5	18,3	19,0	19,5
	6H	18,4	18,9	18,9	19,4	19,9	18,3	18,8	18,8	19,3	19,8
	8H	18,5	19,0	19,0	19,5	20,0	18,5	18,9	19,0	19,4	19,9

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 550 B = 550
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C-Ebenen	γ	Leuchtdichte 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°		4752.3	4588.9	4434.6	4288.6	4352.1	4414.1	4474.8	
50°		3566.8	3566.6	3529.1	3454.4	3510.3	3473.2	3343.1	
55°		2814.4	2832.9	2861.8	2900.8	2871.0	2799.6	2686.9	
60°		2226.6	2476.9	2568.6	2501.1	2592.7	2454.4	2086.1	
65°		1745.6	2252.5	2427.1	2269.4	2446.8	2234.9	1633.7	
70°		1577.6	2054.3	2272.8	2232.9	2297.9	2063.6	1530.7	
75°		1574.9	1778.1	1900.4	1942.4	1911.7	1780.6	1548.8	
80°		1361.7	1419.7	1500.6	1605.1	1520.4	1435.0	1348.0	
85°		928.7	986.5	1083.7	1222.1	1097.4	995.6	915.0	

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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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