

Photometric test report

Family
Taris®

Order number: 5MT117703WD
EAN: 4058352219164

LP number
58214_29



Version recessed luminaire, Combined lens and reflector optics, direct distribution, UGR≤19 (L65≤3000cd/m²)

Lamps LED 3000 K | CRI ≥ 80

Controlgear ECG

Rated values Net luminous flux = 5700 lm
Power consumption = 37.0 W
Luminous efficacy = 154.1 lm/W

serial
documentation
16.11.2020

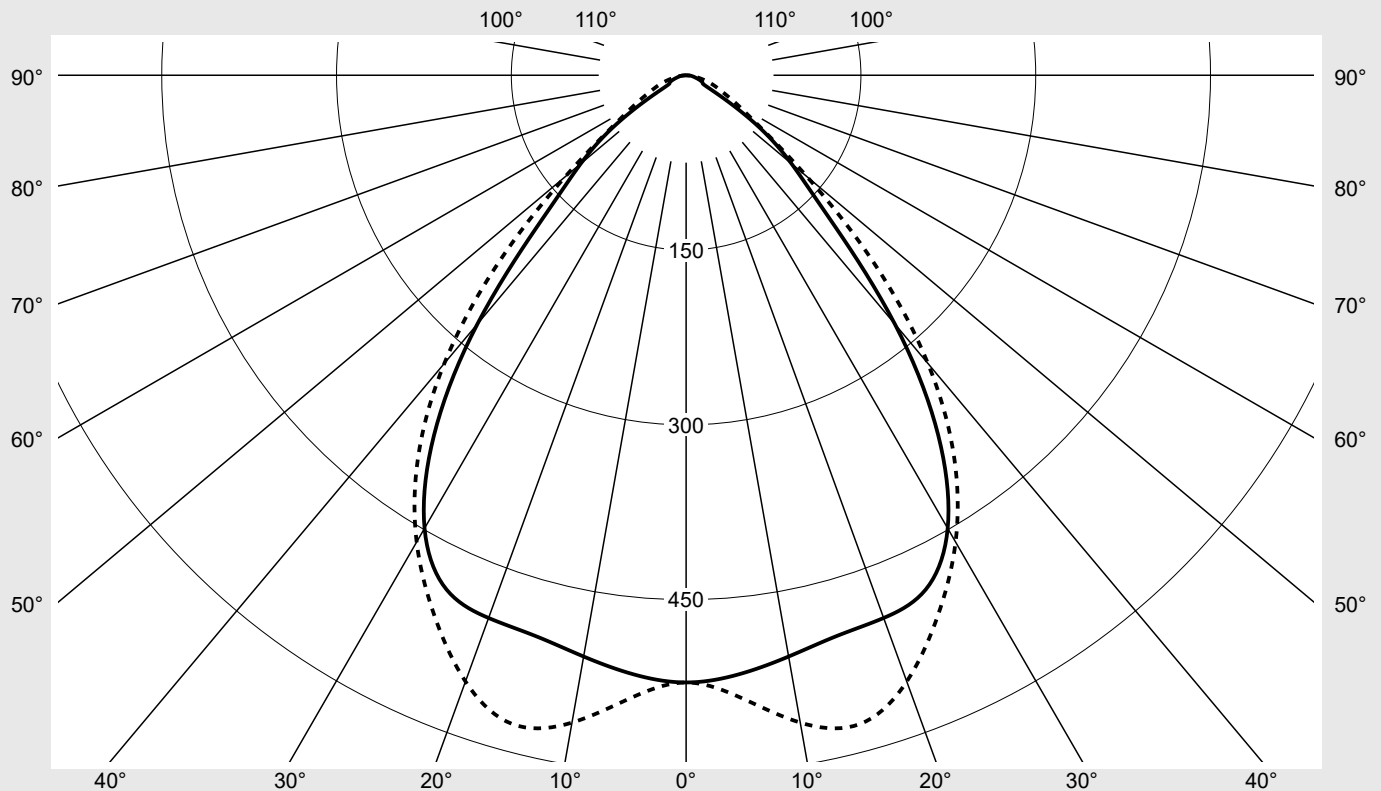
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 576 cd/klm



Classifications

DIN 5040 A 6 0
CIE N1=73 N2=96 N3=99
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

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Table of values for luminous intensities		Maximum luminous intensity
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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°	521.1	521.1	521.1	521.1	521.1	521.1	521.1	3.1	3.1
5°	516.1	520.3	519.9	524.0	528.9	533.3	536.1	25.1	28.2
10°	506.5	516.0	523.6	537.2	550.0	559.8	564.1	51.1	79.3
15°	498.3	513.9	530.8	551.3	564.9	572.7	576.4	77.3	156.7
20°	495.6	516.6	537.6	551.8	554.0	552.4	553.6	101.1	257.8
25°	486.8	512.0	535.3	531.0	517.4	511.0	511.3	119.9	377.7
30°	448.9	484.2	508.6	492.7	472.5	463.1	462.5	131.4	509.1
35°	377.3	415.7	446.9	441.4	421.7	403.5	401.2	132.0	641.1
40°	278.6	308.7	347.0	370.7	352.4	328.2	322.8	117.9	759.0
45°	174.5	195.1	230.9	272.3	262.2	235.2	228.3	90.3	849.2
50°	118.1	127.7	135.1	168.4	160.6	139.4	135.4	60.0	909.3
55°	72.5	79.8	88.9	92.6	82.0	78.0	77.7	37.1	946.4
60°	25.2	27.4	41.0	57.6	48.9	51.3	51.3	20.9	967.3
65°	15.6	15.5	17.0	29.2	33.4	34.9	35.1	12.9	980.2
70°	12.9	12.7	12.0	12.3	22.4	24.9	25.4	8.9	989.1
75°	8.8	8.7	8.3	8.9	9.8	17.1	16.4	5.8	994.9
80°	6.0	5.8	5.4	5.2	5.9	9.3	8.9	3.5	998.4
85°	3.3	3.2	3.0	2.7	2.7	3.1	3.0	1.6	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

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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	17.4	18.9	17.8	19.2	19.5	18.0	19.4	18.4	19.8	20.1
	3H	17.4	18.7	17.8	19.0	19.4	18.3	19.5	18.7	19.9	20.2
	4H	17.4	18.6	17.8	18.9	19.3	18.4	19.5	18.8	19.9	20.3
	6H	17.4	18.5	17.8	18.8	19.2	18.5	19.5	18.9	19.9	20.3
	8H	17.5	18.4	17.9	18.8	19.2	18.5	19.5	19.0	19.9	20.3
	12H	17.5	18.4	17.9	18.7	19.2	18.5	19.4	19.0	19.8	20.2
4H	2H	17.5	18.7	17.9	19.0	19.4	18.1	19.2	18.4	19.6	19.9
	3H	17.5	18.5	17.9	18.8	19.3	18.4	19.3	18.8	19.7	20.1
	4H	17.5	18.4	17.9	18.8	19.2	18.5	19.4	19.0	19.8	20.2
	6H	17.5	18.3	18.0	18.7	19.2	18.7	19.4	19.1	19.8	20.3
	8H	17.5	18.2	18.0	18.7	19.1	18.7	19.3	19.2	19.8	20.3
	12H	17.6	18.1	18.1	18.6	19.1	18.7	19.3	19.2	19.7	20.2
8H	4H	17.5	18.1	17.9	18.6	19.1	18.4	19.1	18.9	19.6	20.0
	6H	17.5	18.0	18.0	18.5	19.0	18.6	19.1	19.1	19.6	20.1
	8H	17.5	18.0	18.0	18.5	19.0	18.6	19.1	19.1	19.6	20.1
	12H	17.6	18.0	18.1	18.5	19.0	18.7	19.1	19.2	19.6	20.1
12H	4H	17.5	18.0	18.0	18.5	19.0	18.4	19.0	18.9	19.5	20.0
	6H	17.5	18.0	18.0	18.4	19.0	18.6	19.0	19.1	19.5	20.1
	8H	17.5	17.9	18.1	18.4	19.0	18.6	19.0	19.2	19.5	20.1

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1487 B = 111
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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°		8524.2	9529.0	11274.8	13299.3	12807.4	11485.9	11150.3	
50°		6343.9	6859.6	7260.7	9045.1	8627.0	7491.5	7273.2	
55°		4362.7	4805.4	5352.2	5574.7	4938.9	4694.3	4676.1	
60°		1742.3	1892.7	2834.9	3975.1	3379.2	3542.8	3546.1	
65°		1278.6	1269.4	1392.0	2386.6	2732.7	2855.6	2868.9	
70°		1302.3	1286.7	1211.1	1240.4	2259.9	2512.1	2561.8	
75°		1175.5	1155.1	1112.5	1187.5	1311.5	2288.0	2190.5	
80°		1186.3	1155.2	1081.5	1027.2	1174.9	1855.1	1760.6	
85°		1294.5	1248.5	1169.7	1070.6	1071.8	1216.0	1202.2	

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

