

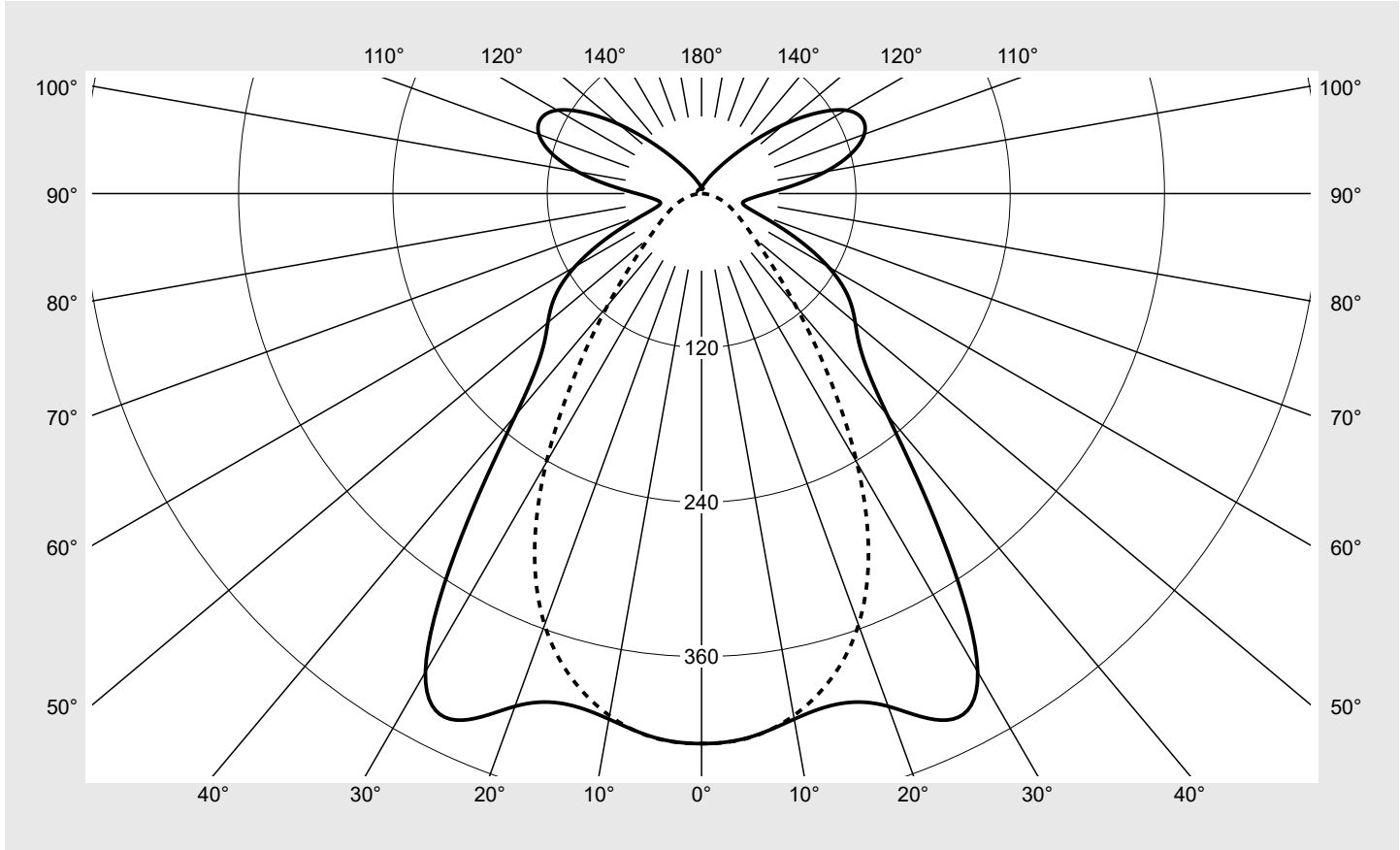


# Photometric test report

<b>Family</b> <b>Licross® 21 Performance</b>	<b>Order number: 52TM167N485G</b> <b>EAN: 4058352903407</b>	<b>LP number</b> <b>58520_305</b>
	<b>Version</b> cover frosted, direct-/ indirect distribution	<b>serial documentation</b> <b>04.08.2023</b>
	<b>Lamps</b> LED 4000 K   CRI ≥ 80	
	<b>Controlgear</b> ECG	
	<b>Rated values</b> <ul style="list-style-type: none"> <li>Net luminous flux = 8720 lm</li> <li>Power consumption = 47.9 W</li> <li>Luminous efficacy = 182 lm/W</li> </ul>	
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 452 cd/klm**



Classifications	
DIN 5040	B 5 1
CIE	N1=65 N2=88 N3=96 N4=79 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	79.3%
$\phi_o$	20.7%

**Measurement conditions**  
 DIN EN 13032 and DIN 5032

## Photometric test report

Family <b>Licross® 21 Performance</b>	Order number: <b>52TM167N485G</b> EAN: <b>4058352903407</b>	LP number <b>58520_305</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>



C-planes $\gamma$	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
	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	427.7	427.7	427.7	427.7	427.7	427.7	427.7	2.6	2.6
5°	424.4	422.4	420.2	422.1	424.3	424.4	424.8	20.2	22.8
10°	414.9	412.5	408.9	409.5	411.2	411.6	412.2	39.1	61.9
15°	410.8	406.7	398.1	393.2	390.9	389.7	390.1	56.3	118.2
20°	424.3	415.5	394.5	375.8	364.0	357.7	356.8	71.8	190.0
25°	451.7	439.9	403.9	360.3	329.2	311.6	307.2	85.9	275.8
30°	429.5	430.9	412.5	347.4	284.5	251.0	241.5	94.2	370.0
35°	325.6	344.5	379.3	329.0	231.5	183.8	171.0	89.9	460.0
40°	224.9	238.5	293.1	289.7	177.2	125.7	113.8	76.0	535.9
45°	176.4	174.8	199.5	224.7	128.0	84.3	75.7	60.6	596.5
50°	156.0	144.3	136.6	154.2	90.2	58.9	53.2	48.2	644.7
55°	139.0	122.9	98.4	99.7	63.9	43.4	39.8	38.7	683.4
60°	113.7	99.1	72.2	64.7	46.3	33.0	30.8	30.7	714.1
65°	79.7	70.2	51.6	43.8	34.5	25.6	24.0	23.0	737.1
70°	47.7	43.4	35.6	31.1	26.2	19.7	18.2	16.2	753.3
75°	33.9	31.2	26.1	23.2	19.9	14.4	12.7	12.2	765.5
80°	33.7	30.7	23.7	18.2	15.1	9.9	7.5	10.6	776.1
85°	39.3	35.6	26.3	17.2	11.4	6.2	3.2	10.7	786.9
90°	50.4	45.6	32.3	18.9	10.0	3.9	0.6	12.4	799.3
95°	71.3	63.5	42.3	22.5	11.4	4.6	1.0	16.4	815.7
100°	97.9	84.6	52.5	26.5	12.9	5.3	1.6	20.8	836.6
105°	120.7	101.7	62.6	30.2	14.2	6.1	2.4	24.4	860.9
110°	134.6	112.6	69.4	33.2	15.3	6.7	2.9	26.3	887.2
115°	137.8	115.5	72.0	34.6	16.0	7.2	3.2	26.1	913.3
120°	129.6	108.9	68.7	33.6	15.7	7.4	3.5	23.8	937.1
125°	109.1	92.2	59.5	30.3	14.7	7.4	3.7	19.5	956.6
130°	83.4	71.0	47.4	25.5	13.2	7.2	3.7	14.5	971.2
135°	58.6	50.3	35.1	20.5	11.4	6.8	3.7	10.0	981.2
140°	39.2	34.3	25.3	16.3	9.8	6.3	3.7	6.7	987.9
145°	26.6	23.8	18.6	13.0	8.2	5.4	3.7	4.4	992.3
150°	18.7	17.2	14.2	10.0	6.9	5.0	3.7	2.9	995.2
155°	13.8	12.8	10.8	7.8	6.8	4.4	3.6	2.0	997.2
160°	10.2	9.8	7.9	6.8	5.6	4.6	3.5	1.3	998.5
165°	8.2	7.8	6.5	5.6	5.0	4.1	3.7	0.8	999.3
170°	6.4	5.6	4.7	4.7	5.0	4.1	3.9	0.5	999.8
175°	4.2	3.7	4.1	4.1	4.1	4.2	4.2	0.2	1000.0
180°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	1000.0

## Photometric test report

Family <b>Licross® 21 Performance</b>	Order number: <b>52TM167N485G</b> EAN: <b>4058352903407</b>	LP number <b>58520_305</b>
--	--	-------------------------------

<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>								
------------------	----------------------	---------------	--	--	--	--	--	--	--	--

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	18.6	19.9	19.2	20.4	21.1	14.8	16.1	15.4	16.6	17.3
	3H	19.2	20.3	19.8	20.9	21.6	15.2	16.3	15.8	16.9	17.6
	4H	19.4	20.4	20.0	21.0	21.7	15.4	16.5	16.0	17.1	17.8
	6H	19.6	20.5	20.3	21.2	21.9	15.5	16.5	16.2	17.1	17.9
	8H	19.9	20.7	20.6	21.3	22.1	15.5	16.4	16.2	17.1	17.8
	12H	20.2	20.9	20.9	21.6	22.4	15.5	16.4	16.2	17.1	17.8
4H	2H	18.6	19.6	19.2	20.3	20.9	15.3	16.3	15.9	16.9	17.6
	3H	19.3	20.1	19.9	20.8	21.6	15.8	16.7	16.5	17.3	18.1
	4H	19.5	20.3	20.2	21.0	21.8	16.1	16.9	16.8	17.6	18.4
	6H	20.0	20.6	20.7	21.3	22.2	16.3	17.0	17.0	17.7	18.5
	8H	20.3	20.9	21.0	21.6	22.5	16.4	17.0	17.1	17.7	18.6
	12H	20.8	21.3	21.6	22.1	23.0	16.4	17.0	17.2	17.7	18.6
8H	4H	19.5	20.1	20.2	20.8	21.7	16.3	16.9	17.0	17.6	18.4
	6H	20.1	20.6	20.8	21.3	22.2	16.7	17.1	17.4	17.9	18.8
	8H	20.5	21.0	21.3	21.8	22.6	16.8	17.3	17.6	18.0	18.9
	12H	21.3	21.7	22.1	22.5	23.4	16.9	17.3	17.7	18.1	19.0
12H	4H	19.4	20.0	20.2	20.7	21.6	16.3	16.8	17.1	17.5	18.4
	6H	20.0	20.5	20.8	21.2	22.1	16.8	17.2	17.5	17.9	18.9
	8H	20.6	21.0	21.4	21.7	22.7	17.0	17.4	17.8	18.1	19.1

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1480</b>	<b>H(C0) = 36</b>	<b>H(C180) = 36</b>
			<b>B = 115</b>	<b>H(C90) = 0</b>	<b>H(C270) = 0</b>

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°	9735.0	9724.6	11372.5	13330.3	8022.2	5651.2	5481.8		
	50°	9055.8	8452.3	8226.2	9725.8	6060.9	4283.6	4238.0		
	55°	8579.9	7668.8	6337.4	6768.2	4664.5	3474.4	3553.0		
	60°	7553.8	6666.2	5032.3	4792.8	3736.1	2969.7	3155.7		
	65°	5784.5	5158.9	3953.3	3600.7	3135.6	2646.9	2913.6		
	70°	3840.0	3550.3	3056.5	2901.0	2739.5	2412.1	2731.3		
	75°	3099.2	2899.3	2569.1	2515.0	2490.2	2193.9	2516.2		
	80°	3585.9	3339.4	2755.6	2377.9	2364.0	2005.2	2214.9		
	85°	5042.5	4702.5	3770.4	2864.9	2396.9	1895.6	1885.8		

**Photometric test report**

<b>Family</b> <b>Licross® 21 Performance</b>	<b>Order number: 52TM167N485G</b> <b>EAN: 4058352903407</b>	<b>LP number</b> <b>58520_305</b>
---	--	--------------------------------------

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

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

**siteco**

