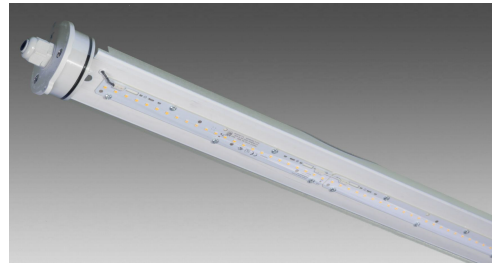


filename : MT70-LED-T8-CL-HO.LDT
 meas. number : 2806
 luminaire number : MT70-LED-T8-CL-HO
 date / operator : 13-12-2018

**default lamp type(s)**

no of lamps	lamp type	luminaire lumens	input wattage
1	LED MODULE	10515 lm	67.9 W

dimensions

luminaire		luminous area	
length	: 2385 mm	length	: 2325 mm
width	: 70 mm	width	: 70 mm
height	: 70 mm	height	: 35 mm

coordinate system

no of planes	: 7	samples / plane	: 37
first c-plane	: 0.0 °	first gamma-angle	: 0.0 °
step angle	: 15.0 °	step angle	: 5.0 °
last c-plane	: 90.0 °	last gamma-angle	: 180.0 °

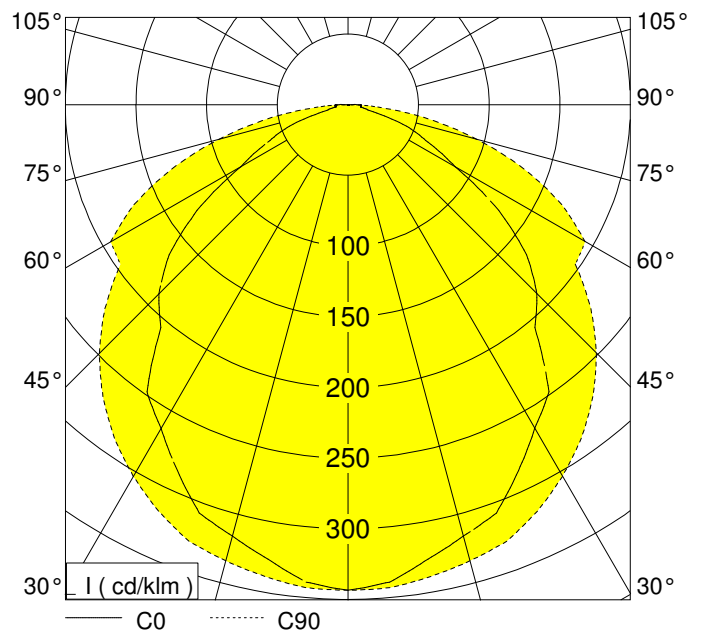
symmetrics : symmetry to C0 / C90

performance

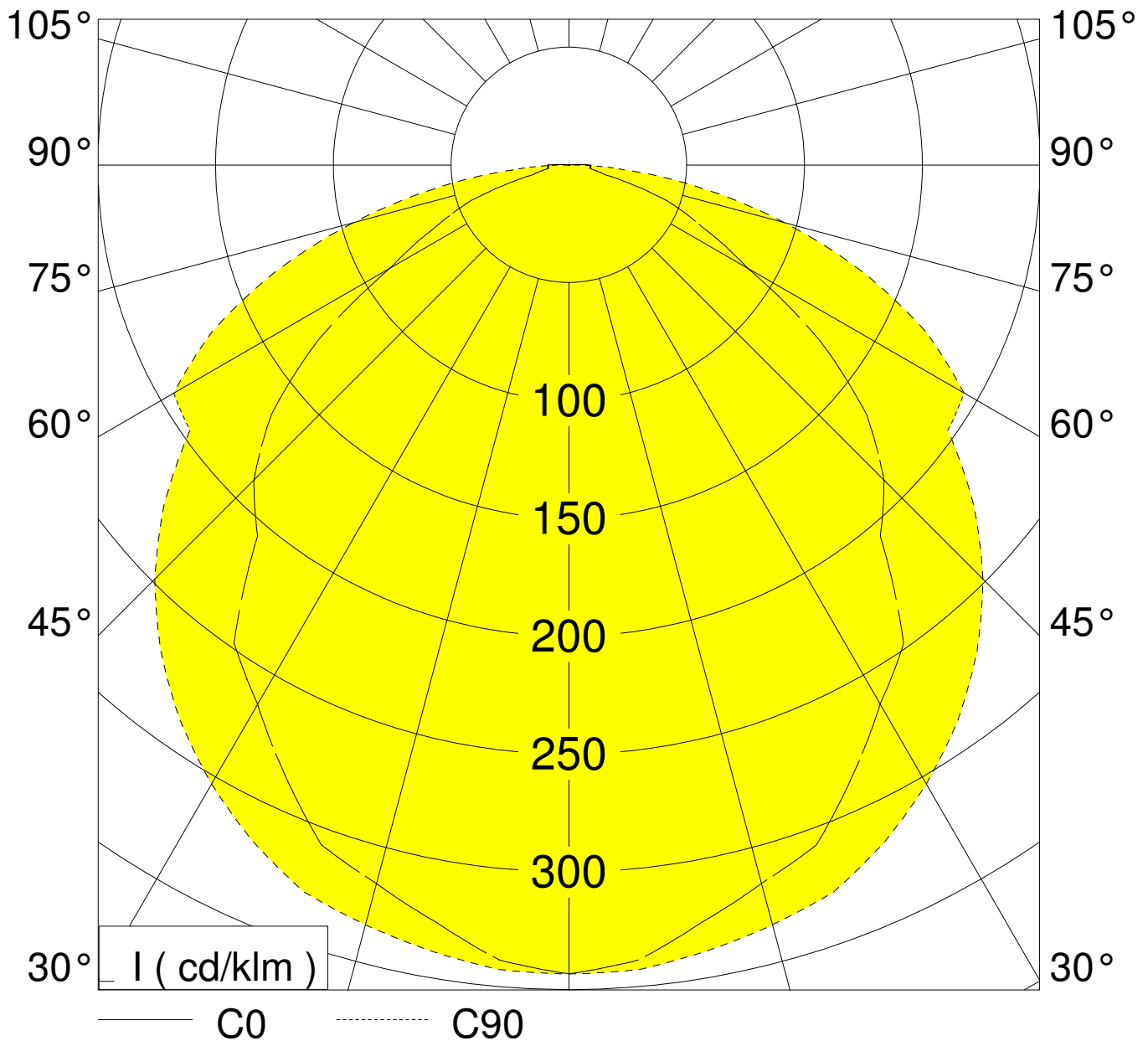
light output ratio : 100.0 %
 DFF : 99.5 %
 UFF : 0.5 %

classification

LiTG / DIN : A40
 UTE : 1.00D+0.00T 1.00E+0.00T
 CIE : 47 79 96 100 100
 BZ : 5 5 5 5 5 5 5 5
 Ambient Temperature : 25 degC
 Input Voltage : 240 V
 Circuit Watts : 67.9W
 Amps (running) : 0.294A
 V.A. : 70.73VA
 Power Factor : 0.96
 CCT : 4000K (measured): 4052K (declared)
 CRI (Ra) : 86
 S/P Ratio : 1.7
 Luminaire Lumens : 10515 LLm
 Output Current DC : 350mA
 Output Voltage DC : 179.0V
 Output Power : 62.65W
 Luminaire Lm/circ.Watt : 155 LLm/circ.Watt
 Driver Efficiency : 92%
 Driver Details : TRIDONIC LC71 250-35-mA FLEX C 1p ADV 87500501



Measurements made are in absolute units. The luminaire is treated as if it was a lamp as it is not possible to measure each LED separately - hence an LOR of 100%
 The Light output ratio in real terms would be less than 100%. If it was possible to compare real LED lumens with the total output from the luminaire we could obtain an actual LOR
 This also means that the total lumens emitted from the LED's would be greater than the Luminaire Lumens measured. In reality the LED lumens would approximate to this value divided by the actual Light Output.



	C 0.0	C 15.0	C 30.0	C 45.0	C 60.0	C 75.0	C 90.0
0.0°	343.10	343.10	343.10	343.10	343.10	343.10	343.10
5.0°	338.50	340.50	342.50	343.80	345.20	343.80	342.50
10.0°	326.00	333.50	341.10	340.10	339.10	338.70	338.40
15.0°	315.50	318.40	321.20	327.80	334.30	334.00	333.60
20.0°	306.90	314.10	321.20	323.00	324.90	326.60	328.20
25.0°	285.20	298.40	311.60	308.80	306.00	311.40	316.80
30.0°	264.10	282.00	300.00	299.30	298.60	300.90	303.20
35.0°	247.60	265.20	282.80	283.70	284.50	286.10	287.60
40.0°	205.50	234.30	263.00	264.00	264.90	267.10	269.30
45.0°	189.00	215.00	241.00	243.90	246.70	247.60	248.40
50.0°	164.90	189.90	215.00	217.10	219.10	221.60	224.10
55.0°	130.10	162.00	193.80	193.10	192.30	194.30	196.30
60.0°	87.50	124.50	161.60	161.90	162.30	177.90	193.60
65.0°	62.50	97.30	132.00	130.70	129.40	148.10	166.80
70.0°	44.10	72.10	100.20	97.90	95.70	114.20	132.50
75.0°	15.80	43.10	70.30	68.40	66.50	80.60	94.70
80.0°	9.10	23.20	37.30	37.40	37.60	47.60	57.60
85.0°	9.00	12.10	15.10	15.00	14.80	19.30	23.70
90.0°	9.00	7.10	5.30	5.00	4.60	2.30	0.00
95.0°	0.00	1.90	3.70	3.50	3.30	1.60	0.00
100.0°	0.00	1.70	3.40	3.20	3.00	1.50	0.00
105.0°	0.00	1.70	3.40	3.20	2.90	1.40	0.00
110.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm						

glare rating according to UGR											
ρ-ceiling		70	70	50	50	30	70	70	50	50	30
ρ-walls		50	30	50	30	30	50	30	50	30	30
ρ-workplane		20	20	20	20	20	20	20	20	20	20
room dimensions X Y		viewed crosswise					viewed endwise				
2H	2H	20.9	22.4	21.2	22.6	22.8	23.3	24.8	23.6	25.0	25.3
	3H	21.0	22.1	21.2	22.3	22.5	24.6	25.7	24.8	25.9	26.1
	4H	21.2	22.3	21.4	22.5	22.7	25.4	26.5	25.7	26.7	26.9
	6H	21.2	22.2	21.5	22.5	22.7	26.0	27.0	26.3	27.3	27.5
	8H	21.2	22.2	21.5	22.5	22.7	26.2	27.3	26.6	27.5	27.8
	12H	21.2	22.3	21.6	22.5	22.8	26.4	27.4	26.7	27.7	28.0
4H	2H	21.3	22.4	21.5	22.6	22.8	23.1	24.2	23.4	24.4	24.7
	3H	22.4	23.5	22.7	23.7	24.0	25.2	26.3	25.5	26.5	26.8
	4H	22.8	23.8	23.2	24.1	24.4	26.2	27.2	26.5	27.5	27.8
	6H	22.7	23.5	23.1	23.8	24.2	26.7	27.5	27.0	27.8	28.1
	8H	22.8	23.5	23.1	23.9	24.2	26.9	27.7	27.3	28.1	28.4
	12H	22.9	23.7	23.4	24.1	24.5	27.3	28.0	27.7	28.4	28.8
8H	4H	23.1	23.8	23.4	24.2	24.5	26.1	26.9	26.5	27.2	27.6
	6H	23.5	24.3	24.0	24.7	25.1	27.1	27.9	27.6	28.3	28.7
	8H	23.7	24.4	24.2	24.9	25.3	27.5	28.2	28.0	28.7	29.1
	12H	23.6	24.2	24.1	24.7	25.2	27.6	28.2	28.1	28.7	29.2
12H	4H	23.3	24.0	23.7	24.4	24.8	26.3	27.0	26.7	27.4	27.8
	6H	23.7	24.4	24.2	24.9	25.4	27.2	27.9	27.7	28.4	28.9
	8H	23.7	24.3	24.2	24.8	25.3	27.4	28.0	27.9	28.5	29.0
variation of observer position											
S =	1.0H	+0.2/ -0.3				+0.1/ -0.1					
	1.5H	+0.7/ -1.1				+0.2/ -0.3					
	2.0H	+1.0/ -2.0				+0.7/ -0.9					
standard-table		BK03					BK06				
correction for luminaire		5.4					10.6				
correct glare indices for a total flux of 10515lm											

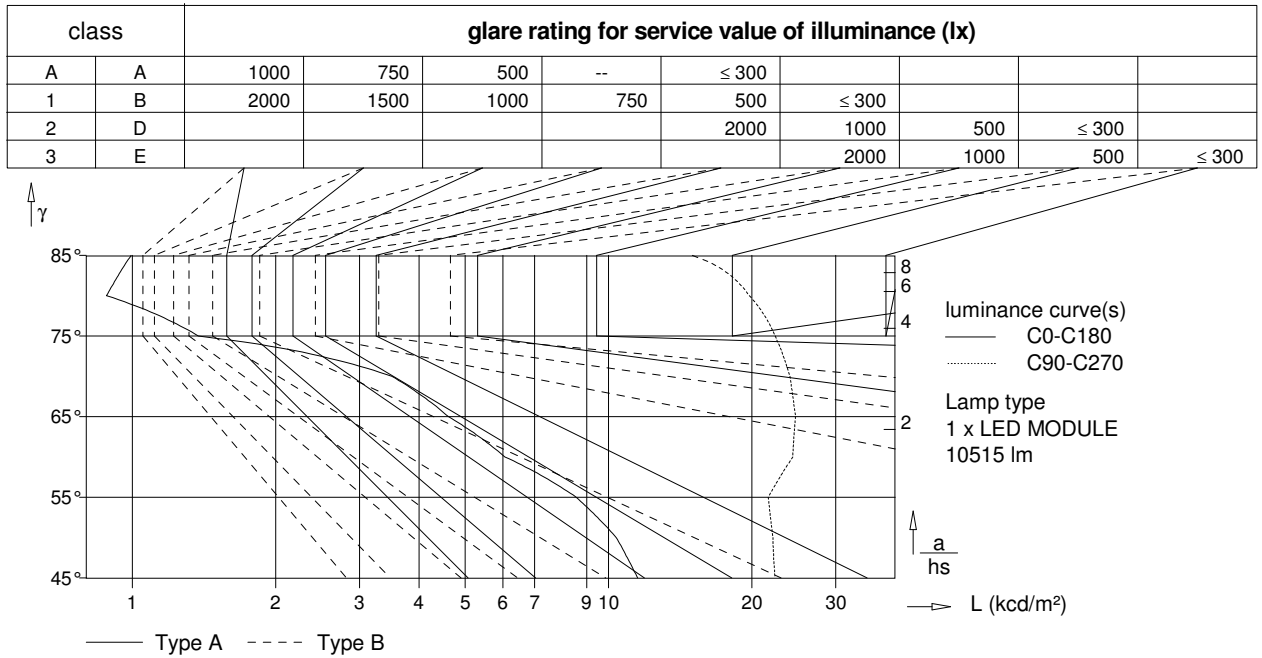


Table of intensities

gamma	C 0	C 90	C 180	C 270
45°	11512.6	22359.7	11512.6	22359.7
50°	10385.9	22127.9	10385.9	22127.9
55°	8549.6	21646.1	8549.6	21646.1
60°	6059.1	24380.6	6059.1	24380.6
65°	4610.8	24702.3	4610.8	24702.3
70°	3509.5	24035.4	3509.5	24035.4
75°	1376.2	22382.2	1376.2	22382.2
80°	882.7	19745.2	882.7	19745.2
85°	993.5	14989.6	993.5	14989.6

all values in cd/m²

utilization factors / TM5											
reflection			room index								
C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0
70	50	20	56	66	74	79	87	92	95	100	103
70	30	20	48	58	66	72	80	86	90	96	99
70	10	20	42	53	60	66	75	81	86	92	96
50	50	20	54	64	71	76	83	88	91	96	98
50	30	20	47	57	65	70	78	83	87	92	95
50	10	20	42	52	60	65	73	79	83	89	93
30	50	20	53	62	69	74	80	85	88	92	95
30	30	20	46	56	63	69	76	81	84	89	92
30	10	20	41	51	59	64	72	77	81	87	90
0	0	0	39	49	56	61	68	74	77	82	85
BZ-class			5	5	5	5	5	5	5	5	5
SHRnom : 1.25						SHRmax : 1.490					

