College

96541888 COLLEGE LED3700-840 L1200 HFI PC CL

LED 50W LED_3710 | IP44 | IK05 | 850°C

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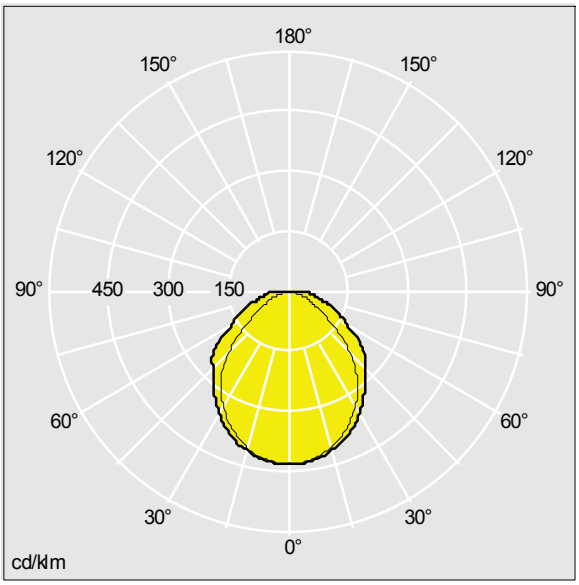
A high performance, surface mounted, LED luminaire. Electronic, DALI / DSI digital dimmable control gear. Class I electrical, IP44. Body: white painted steel. End caps: white polycarbonate with a curved, precision clear prismatic polycarbonate. Ø21.5mm cable entry hole in the centre of the back spine with optional cable entry through each end cap. Fitting supplied with sealing grommets and innovative "quick fix" horseshoe and sliding washers for direct screw fixing to surface, fixing centres 1150mm. Standard BESA fixings. Can be suspended using wire suspension accessory kit (to be ordered separately). 5 x 2 x 2.5mm² piano key terminal block. Complete with 4000K LED

Dimensions: 1220 x 217 x 90 mm
Total power: 50 W
Weight: 4.2 kg

TLG_CLLG_F_P1.jpg



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Lamp position: STD - standard
Light Source: LED
Total luminous flux*: 3710 lm
Luminaire efficacy*: 75 lm/W
Lamp efficacy: 74 lm/W

Rated median useful life*: 50000h at 25°C
Ballast: 1x HFI* Tridonic LCI
Luminaire input power*: 50 W
Dimming: DALIDSI dimmable to 1%
LOR: 1,01 ULOR: 0,01 DLOR: 1,00

All values marked with an * are rated values. Thorn uses tried and tested components from leading suppliers, however there may be isolated instances of technology-related failures of individual LEDs during the rated product lifetime. International standards set the tolerance in initial flux and connected load at ±10%. Colour temperature is subject to a tolerance of up to +/-150 Kelvin from the nominal value. Unless stated otherwise, the values apply to an ambient temperature of 25°C.
In most products the failure of one LED point causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

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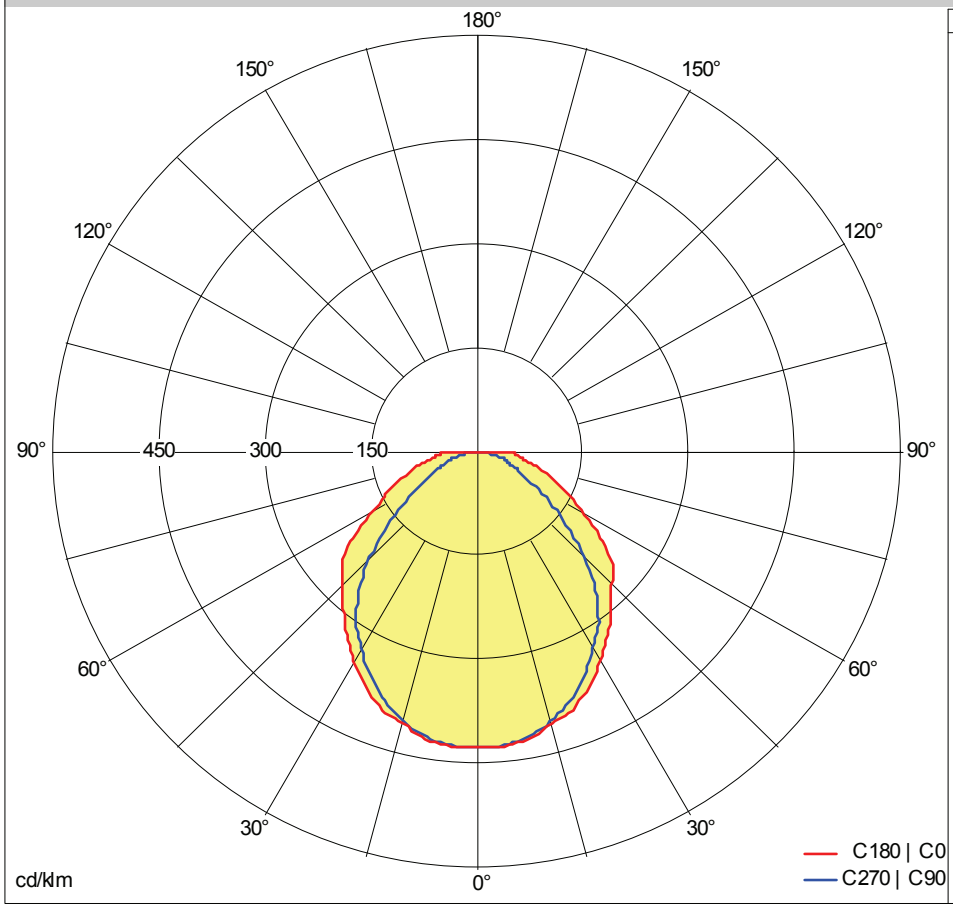

	C0	C90	C180	C270
0°	425	425	425	425
5°	425	423	425	423
10°	420	416	420	416
15°	404	401	404	401
20°	394	381	394	381
25°	373	357	373	357
30°	348	326	348	326
35°	322	300	322	300
40°	294	260	294	260
45°	269	215	269	215
50°	250	165	250	165
55°	214	124	214	124
60°	168	89	168	89
65°	142	65	142	65
70°	118	47	118	47
75°	91	38	91	38
80°	70	21	70	21
85°	55	12	55	12
90°	51	2	51	2
95°	0	0	0	0
100°	0	0	0	0
105°	0	0	0	0
110°	0	0	0	0
115°	0	0	0	0
120°	0	0	0	0
125°	0	0	0	0
130°	0	0	0	0
135°	0	0	0	0
140°	0	0	0	0
145°	0	0	0	0
150°	0	0	0	0
155°	0	0	0	0
160°	0	0	0	0
165°	0	0	0	0
170°	0	0	0	0
175°	0	0	0	0
180°	0	0	0	0

Light output ratio	
LOR	101 %
ULOR	1 %
DLOR	100 %
FFR	0.01 (1:99)
BLF	1.00

Glare Evaluation	
X = 4 H, Y = 8 H	S = 1.00 H
Reflection factors	70/50/20
UGR transversal	22
UGR axial	16
according to AS1680.1	

Classification	
LiTG	A40
EN	
BZ	BZ3/1.5/BZ4
UTE	1.00 D + 0.01 T
CIE Flux Codes	53 82 94 99 101

Utilization Factors

Room Reflectance Ceiling/Walls/Floor	Room Index 0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
70 / 50 / 20	65	72	79	84	90	95	98	102	105
70 / 30 / 20	57	65	72	77	85	89	93	98	101
70 / 10 / 20	52	60	67	72	80	85	89	94	98
50 / 50 / 20	63	70	77	81	87	91	94	98	100
50 / 30 / 20	56	64	71	76	82	87	90	95	97
50 / 10 / 20	52	59	66	71	78	83	87	92	95
30 / 50 / 20	61	68	75	79	84	88	91	94	96
30 / 30 / 20	56	63	69	74	80	84	87	91	94
30 / 10 / 20	51	59	65	70	77	81	85	89	92
0 / 0 / 0	49	56	63	67	73	77	80	85	87

According to CIBSE Technical Memorandum No. 5 1980

SHR Nom = 1.50
SHR Max = 1.51
SHR Max TR = 1.74

Photometric data file: TLAU_96541888.ldt