

PopPack LED

THORN

96631547 POPPACK LED 7000-840 HF E3 L1200

LED 52W PP12HO-840	IP20	IK03	⊕	CE	650°C	T _a 0 +25	
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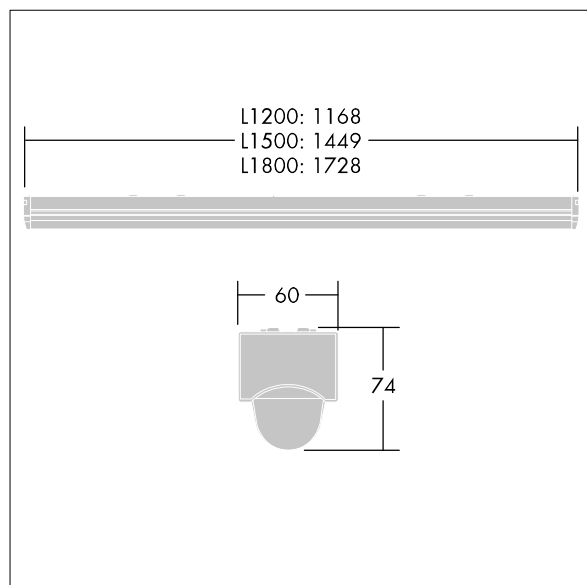
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Batten LED luminaire. Electronic, fixed output control gear with 3 hour, manual test, emergency lighting circuit. Body: coated, formed steel, white (RAL9016). End caps: injection moulded polycarbonate, white. Diffuser: textured opal acrylic. Electrical connection via (3 + 3) x 2 x 2.5mm² terminal block. Complete with 4000K LED

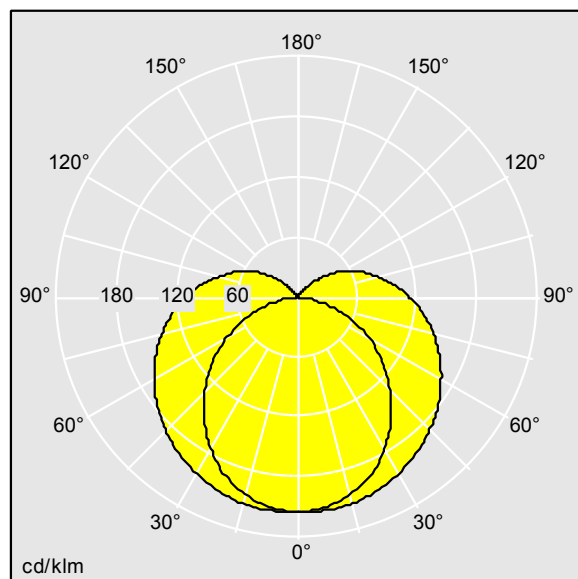
Dimensions: 1168 x 60 x 74 mm
Total power: 51.8 W
Luminaire luminous flux: 7300 lm
Luminaire efficacy: 141 lm/W
Weight: 2 kg



TLG_POPL_F_PDB_EMPTY.jpg



TLG_POPL_M_LD1.wmf



TLG_SP_0043750.ltd

Lamp position: STD - standard
Light Source: LED
Luminaire luminous flux*: 7300 lm
Luminaire efficacy*: 141 lm/W
Lamp efficacy: 140 lm/W
Colour Rendering Index min.: 80
Correlated colour temperature*: 4000 Kelvin
LOR: 1,00 ULOR: 0,17 DLOR: 0,83

Chromaticity tolerance (initial MacAdam)*: 3
Rated median useful life*:
50000h L80 at 25°C
Ballast: 1x HF_ Tridonic LC
Luminaire input power*: 51.8 W Power factor = 0.95
Charging power: 4 W
Dimming: FO
Maintenance category: D - Enclosed IP2X

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 $\pm 10\%$. 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.

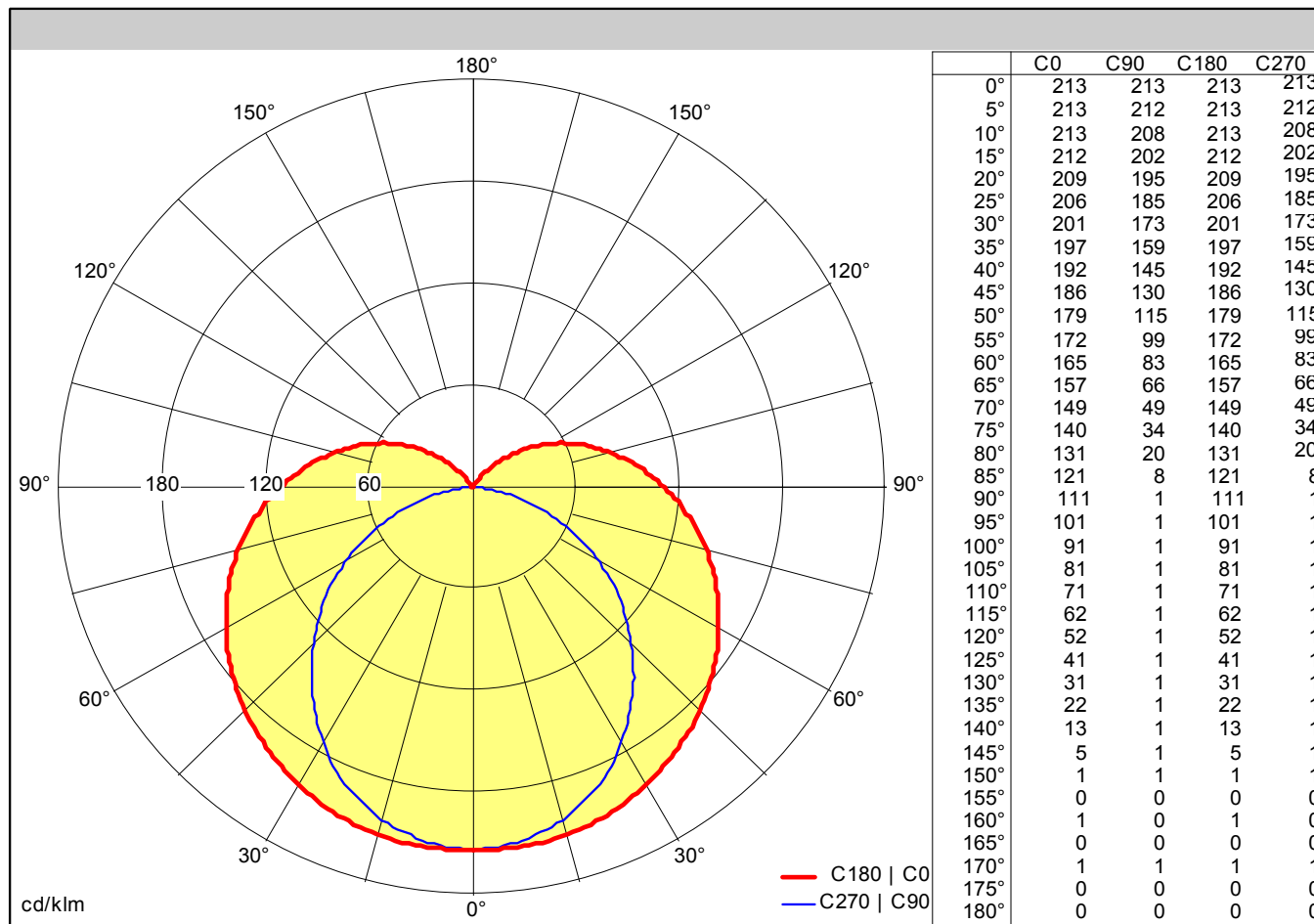
In most products the failure of one LED point causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint. Unless otherwise stated all Thorn LED products are suitable for unrestricted use (rated RG0 or RG1) with regard photobiological blue light safety (IEC/EN60598-1).

Thorn Lighting is constantly developing and improving its products. The right is reserved to change specifications without prior notification or public announcement.
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Light output ratio	
LOR	100 %
ULOR	17 %
DLOR	83 %
FFR	0.20 (17:83)
BLF	1.00

Glare Evaluation	
X = 4 H, Y = 8 H	S = 1.00 H
Reflection factors	70/50/20
UGR transversal	>28
UGR axial	<28

Classification	
LiTG	B31
EN	
BZ	BZ6
UTE	0.83 G + 0.17 T
CIE Flux Codes	36 64 85 83 100

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	49	56	63	68	76	81	84	89	93
70 / 30 / 20	41	48	55	61	68	74	78	84	88
70 / 10 / 20	35	42	49	54	62	68	73	79	84
50 / 50 / 20	45	52	59	63	70	74	78	82	85
50 / 30 / 20	38	45	52	57	64	69	73	78	81
50 / 10 / 20	33	40	47	51	59	64	68	74	78
30 / 50 / 20	43	49	55	59	64	69	72	76	78
30 / 30 / 20	36	43	49	53	60	64	67	72	75
30 / 10 / 20	32	38	44	49	55	60	64	69	73
0 / 0 / 0	28	33	39	43	49	53	57	61	64
According to CIBSE Technical Memorandum No. 5 1980						SHR Nom =	1.50		
						SHR Max =	1.75		
						SHR Max TR =	2.17		

Photometric data file: TLG_SP_0043750.lgt