

96631316 KAT RD 2000-830 HF E3

LED 16W KATO_HO_83		IP65		IK10		850°C	T_a 0 +25
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Katona

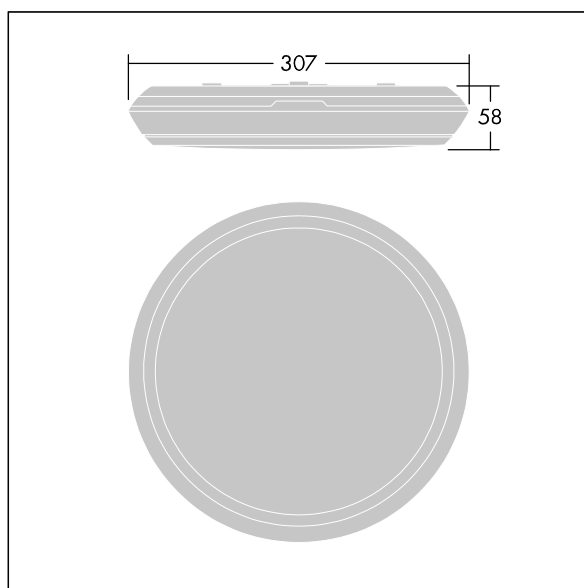
A very slim, round functional LED luminaire. LED driver with 3 hour, manual test, emergency lighting circuit. Body: white polycarbonate. Diffuser: opal polycarbonate. Class II electrical, IP65, IK10. Complete with 3000K LED. Suitable for direct mounting to wall or ceiling. Loop-in, loop-out is possible for cables up to 2.5mm². BESA compatible.

Dimensions: Ø307 x 58 mm
Total power: 16.3 W
Luminaire luminous flux: 1850 lm
Luminaire efficacy: 113 lm/W
Weight: 1.12 kg

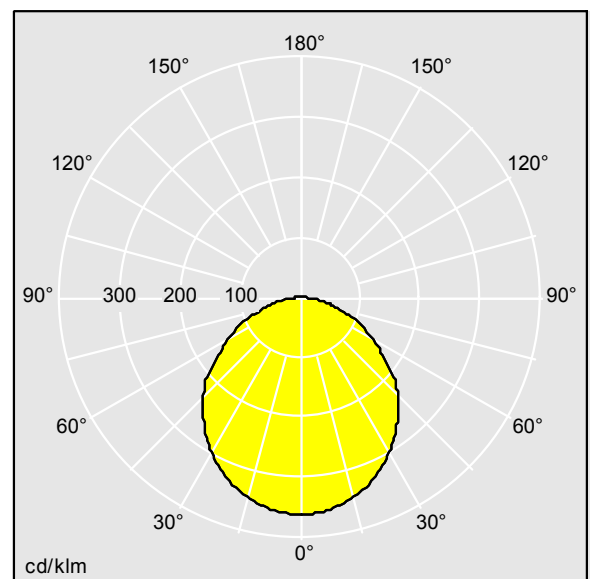
Self-contained emergency luminaires rely on long-lasting batteries. This product's high-tech lithium iron phosphate battery is robust and comes with a three-year guarantee (applicable subject to the terms and conditions of and to the extent as set forth in the manufacturer's guarantee on Thorn products, which shall be applicable analogously and which is available under http://www.thornlighting.com/en/products/5-year-guarantee/5-year-warranty/terms-of-guarantee_en.pdf. The battery guarantee shall not come into effect if the product has been installed later than three (3) months after delivery EXW (Incoterms 2010))



TLG_KATO_F_RD_PDBCHARGE.jpg



TLG_KATO_M_RD_LDS.wmf



TLG_SP_0043599.idt

Lamp position: STD - standard
Light Source: LED
Luminaire luminous flux*: 1850 lm
Total emergency luminous flux: 180 lm
Luminaire efficacy*: 113 lm/W
Lamp efficacy: 113 lm/W
Colour Rendering Index min.: 80

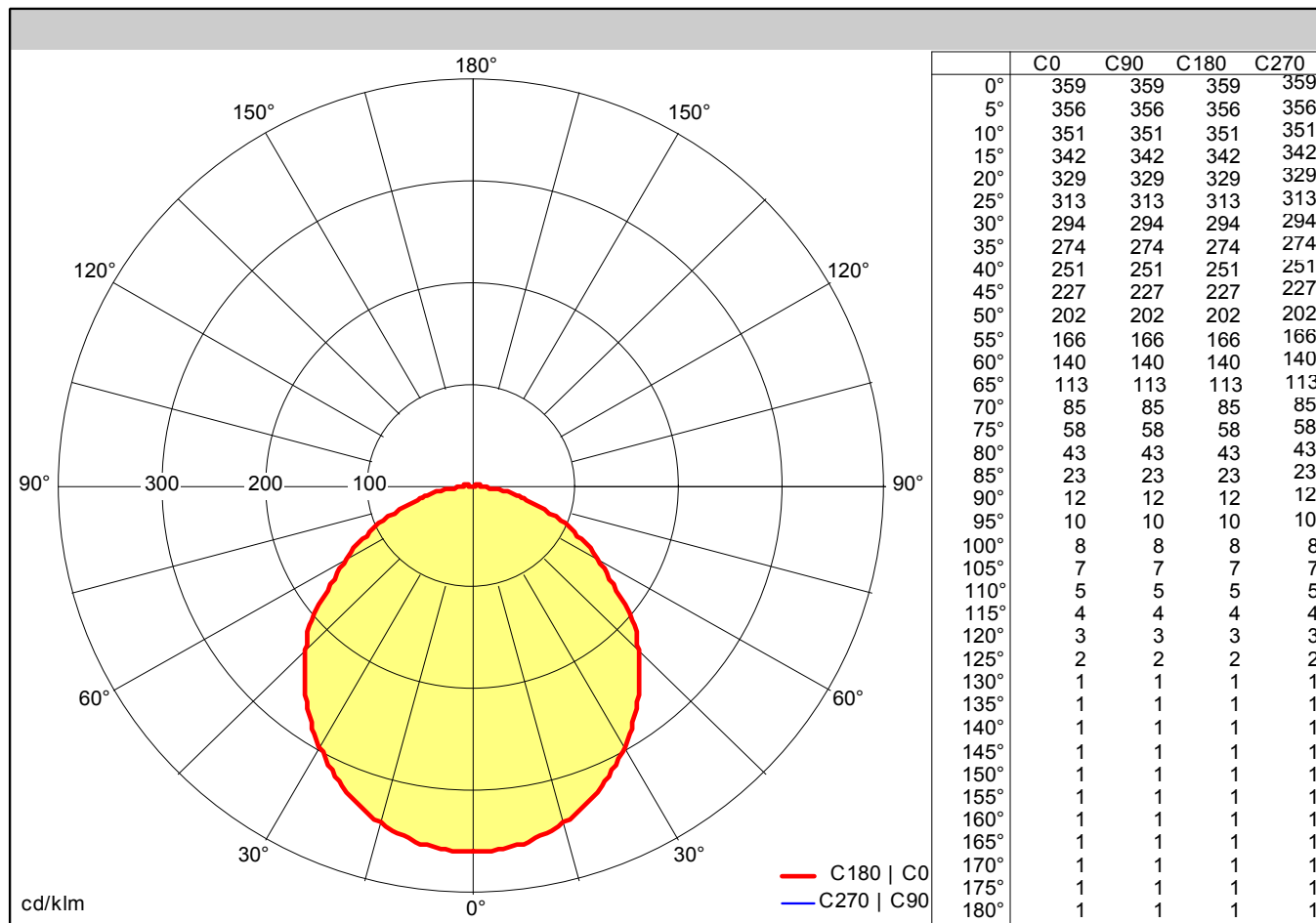
Correlated colour temperature*: 3000 Kelvin
Chromaticity tolerance (initial MacAdam)*: 3
Rated median useful life*:
50000h L80 at 35°C
Ballast: 1x LED_DRV Tridonic LC
Luminaire input power*: 16.3 W Power factor = 0.91
Charging power: 2.5 W
LOR: 1,00 ULOR: 0,03 DLOR: 0,97

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	3 %
DLOR	97 %
FFR	0.03 (3:97)
BLF	1.00

Glare Evaluation	
X = 4 H, Y = 8 H	S = 1.00 H
Reflection factors	70/50/20
UGR transversal	<25
UGR axial	<25

Classification	
LiTG	A41
EN	
BZ	BZ4
UTE	0.97 D + 0.03 T
CIE Flux Codes	48 79 95 97 100

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	57	67	74	79	86	91	95	99	102
70 / 30 / 20	49	59	67	72	80	86	90	95	99
70 / 10 / 20	43	54	61	67	75	81	85	91	95
50 / 50 / 20	55	65	71	76	83	87	91	95	97
50 / 30 / 20	48	58	65	70	78	83	86	91	95
50 / 10 / 20	43	53	60	66	73	79	83	88	92
30 / 50 / 20	53	62	69	73	80	84	87	91	93
30 / 30 / 20	47	57	63	68	75	80	83	88	91
30 / 10 / 20	42	52	59	64	72	77	81	85	89
0 / 0 / 0	40	49	56	61	68	72	76	80	83
According to CIBSE Technical Memorandum No. 5 1980						SHR Nom =	1.25		
						SHR Max =	1.43		
						SHR Max TR =	1.74		

Photometric data file: TLG_SP_0043599.lgt