

# AquaForce II LED

# THORN

## AQ6400D / 96241943 AQUAF2 LED 6400 HFI L840

LED 63W LED_6400	EN 60598	IP65	IK08			850°C
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### AquaForce II LED

An IP65, dust and moisture resistant, LED luminaire.  
Electronic, DALI / DSI digital dimmable control gear. Class I electrical. Canopy: light grey polycarbonate. Diffuser: polycarbonate with linear prisms. Toggles: stainless steel. For surface or suspended mounting. Quick-fix brackets supplied for surface mounting. Mounting kits for conduit, chain suspension and catenary suspension are available as accessories. Complete with 4000K LED.

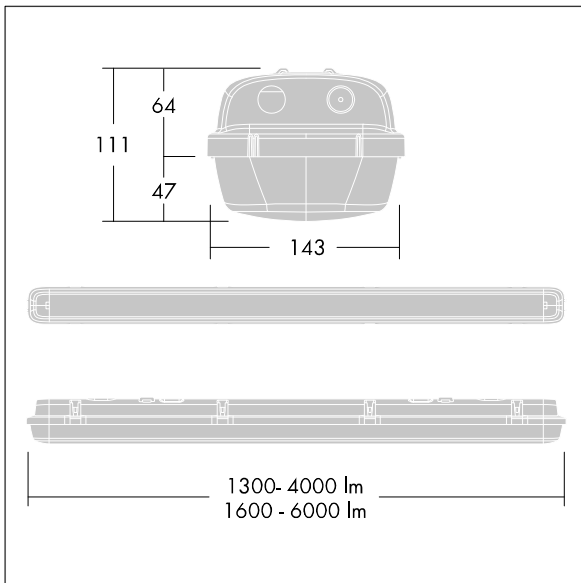
Dimensions: 1600 x 147 x 118 mm

Total power: 61.8 W

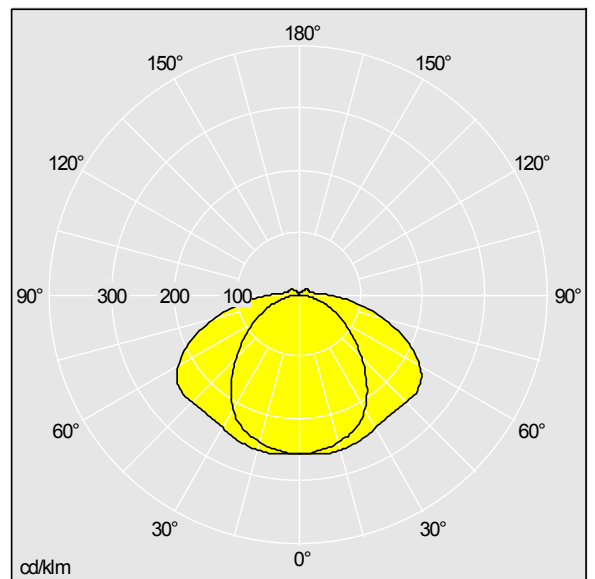
Weight: 2.9 kg



TLG\_AQUL\_F\_2PDB.jpg



TLG\_AQUL\_M\_LED.wmf



TLG\_SP\_0041101.idt

Lamp position: STD - standard  
Lamps: 1 x LED\_6400 / 62W  
Total luminous flux: 6400 lm  
Luminaire efficacy: 104 lm/W  
Rated life: 50000h L70 at 25°C  
Colour Rendering Index min.: 80

Lamp efficacy: 104 lm/W  
Ballast: 1x HFI\* Tridonic LCAI  
Connected Load: 61.8 W  $\Lambda = 0.95$   
Standby Power: 0.2 W  
Dimming: DALI/DSI dimmable to 1%  
LOR: 1,00 ULOR: 0,07 DLOR: 0,93

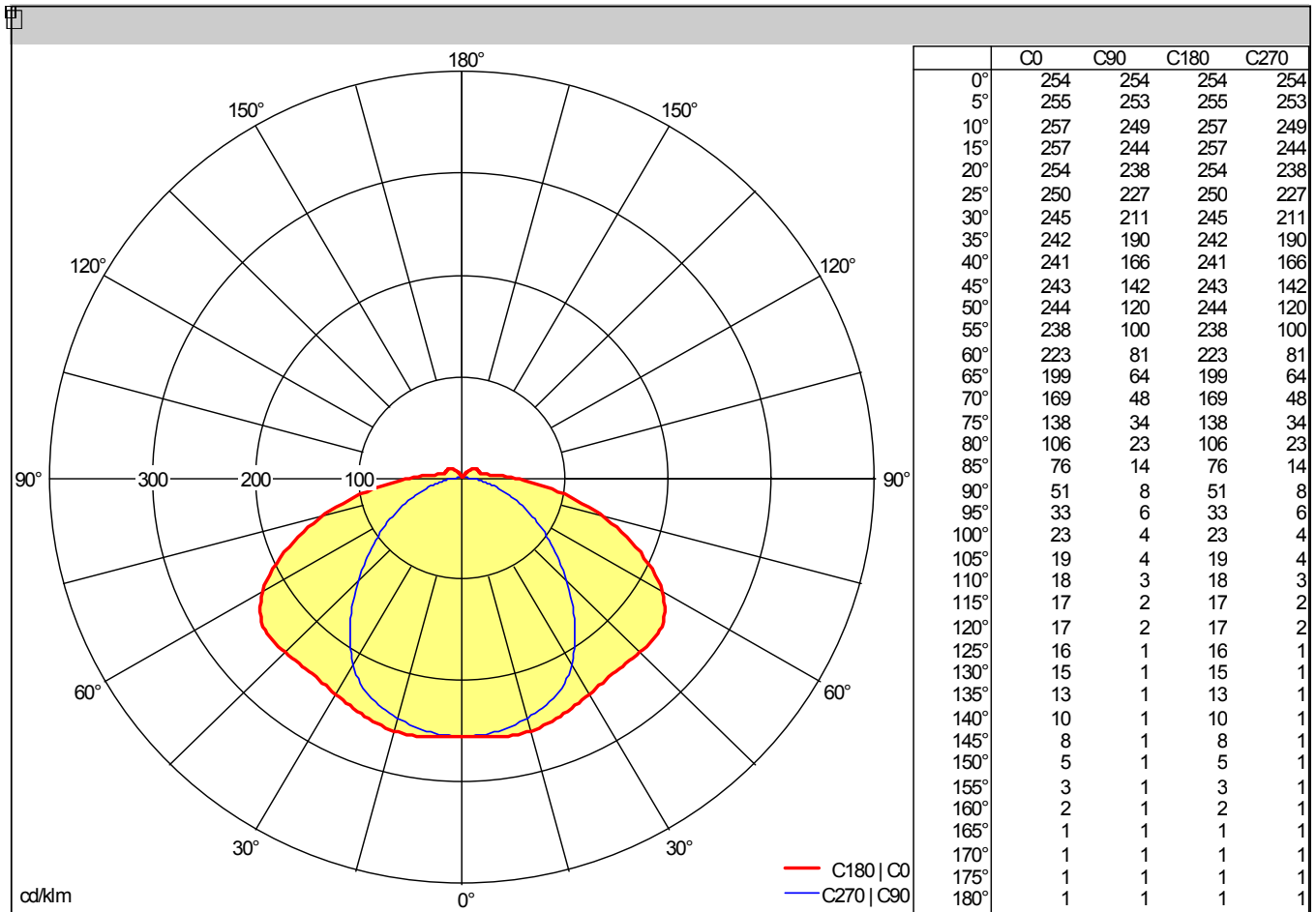
Thorn uses tried and tested components from leading suppliers, however there may be isolated instances of technology-related failures of individual LEDs during the rated product lifetime.

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. International standards set the tolerance in initial flux and connected load at  $\pm 10\%$ . Colour temperature is subject to a tolerance of up to  $\pm 150$  Kelvin from the nominal value.

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	7 %
DLOR	93 %
FFR	0.08 (7:93)
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	<22

Classification	
LITG	A31
EN	
BZ	BZ5
UTE	0.93 G+0.07 T
CIE Flux Codes	39 69 90 93 100

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	NA	62	69	74	82	87	90	95	98
70 / 30 / 20	NA	54	61	67	75	80	84	90	94
70 / 10 / 20	NA	48	55	61	69	75	79	86	90
50 / 50 / 20	NA	60	66	71	77	82	85	90	92
50 / 30 / 20	NA	53	59	64	72	77	80	86	89
50 / 10 / 20	NA	47	54	59	67	72	76	82	86
30 / 50 / 20	NA	57	63	67	73	78	81	85	87
30 / 30 / 20	NA	51	57	62	69	73	77	81	85
30 / 10 / 20	NA	46	52	57	65	70	74	79	82
0 / 0 / 0	NA	43	49	53	60	64	68	73	76

According to CIBSE Technical Memorandum No. 5 1980

SHR Nom =	1.75
SHR Max =	1.78
SHR Max TR =	2.40

Photometric data file: TLG\_SP\_0041101.ltd