DATASHEET

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less energy more light.

UBOAT2004HO UBOAT high output 150lm/W 200W 120°40

UBOAT is the ideal choice for environments where homogeneous and robust lighting is required. UBOAT HO is equipped with SMD2835 LED chips with an efficiency up to 150lm/W and is equipped with an external and easily replaceable quality driver. UBOAT HO is supplied with an orientable mounting bracket for surface-mounted ceiling/wall mounting and a pre-mounted connection box with two M20 cable glands for easy and quick connection. Standard warranty 5 years, lifespan 50.000 hours L80B20. UGR 27~30. Dimmable 1-10V, options: DALI, emergency unit 20W 3h.

IP	IK		Warranty	lm/W	PF		Flicker-Free		CCT	DIM			ENEC	STOCK
IP65	IK10	120	5 YEARS	up to 154	0,95	50.000 L80B20	YES	80	4000	1-10V	SMD2835	30	YES	YES

Technical specifications

Referentie	UBOAT2004HO
EAN code	5420076259822
ETIM code	EC002892

Electrical specifications

System power (W)	201,9
LED power (W)	200
Input voltage (Vac)	100~277
Frequency (Hz)	50/60
Driver included	yes
Driver intern/extern	extern
Driver brand	TCL
Driver reference	200H
Dimmable	1-10V
Flicker free	yes
Power factor	0,95
THD	‹20%
Driver output (V)	36-42
Driver output (mA)	4760
Isolation class	I
Energy class	A+
N° circ. breaker 16A C	6
N° circ. breaker 16A D	
Inrusch current	70A 510µs

Warranty and certification

Lifetime (h)	50.000 L80B20
Warranty (years)	5 (excluding batteries)
ENEC	yes

Photometric specifications

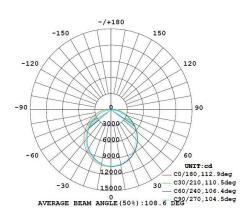|	
Light angle (°)	120
Color temperature (K)	4000
CRI	80
UGR	30
SDCM	‹5
Lumen output (Lm)	30726
Lm/W	154
Flux code	
Ledchip	SMD2835
Led manufacturer	San'an Optoelectronics
N° of LEDs	630
Photobiological class	RG1

Dimensions and material properties

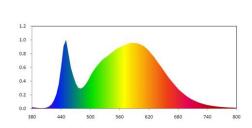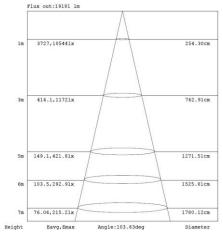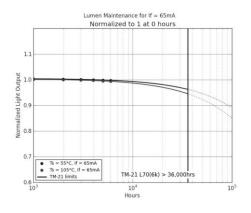|	
Dimensions (LxBxH)	1205x135x72mm
Weight (kg)	6
Color	alu
Working temp. (°C)	-30~+50
IP value	IP65
IK value	IK10
UV resistant	yes
Seawater resistant	no
UL94	
N° in masterbox	2
N° on pallet	
MOQ	1
Stock item	yes

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Lumen distribution

UNIT:cd

— C0/180,112.9deg
— C30/210,110.5deg
— C60/240,106.4deg
— C90/270,104.5deg

AVERAGE BEAM ANGLE(50%):108.6 DEG

Distance curve:

Flux out:19181 lm

Height	Eavg,Emax	Angle:103.63deg	Diameter
1m	3727,105441x		254.30cm
3m	414.1,11721x		762.91cm
5m	149.1,421.81x		1271.51cm
6m	103.5,292.91x		1525.81cm
7m	76.06,215.21x		1780.12cm

Spectrum distribution

Lumendrop

Lumen Maintenance for If = 65mA
Normalized to 1 at 0 hours

Normalized Light Output

- Ts = 55°C, If = 65mA
- Ts = 105°C, If = 65mA
— TM-21 limits

TM-21 L70(6k) > 36,000hrs

Hours

Accessories

UBOATMB	Adjustable mounting brackets 60° UBOAT
UBOATSUS	Suspension set 2m for UBOAT

Visit our website for all test reports LM-79 / LM-80 / TM-21 and elumdat files, subject to changes without notice.
Rechargeable batteries (lead or NiCd) that are part of a lighting device always have a one-year warranty!

Dimensions

	100W	150W	200W	240W
A=	605	905	1205	1505
B=	135			
C=	115			
D=	565	865	1165	1465
E=	72			

Connection diagram

IN/OUT

Max XVB/XGB5G2,5

IN/OUT

-	———	DIM 1-10V/DALI
+	———	
PE	- - - -	Aarding/Terre/Ground
N	———	Neutraal/Neutre/neutral
L	———	Fase/Phase