



FL70 27000 850 220-254 M25-BN WB-100 JB

FL70 LED Floodlight is designed for installation and use in safe areas. By using the latest COB LED technology and LED driver technology it offers a virtually maintenance-free solution for all high and medium intensity lighting requirements. With its high lumen output the FL70 offers one of the best Lumen per Watt in the market. The product design has been undergoing thorough heat conduction and dissipation simulations, giving all components optimal conditions and ensuring long life time.

Item Number	FL70005000
GTIN	4036538640988
Stock status	M



Technical specifications

Navigation

Mains current	0.832
Output angle (°)	100
EMC Category	EMC1

Certificates

Certification	DNV, IEC 60092-306
Marine Approved	True

Technical Data

Minimum ambient temperature (°C)	-35
Maximum ambient temperature (°C)	55
IK classification	08
IP classification	66/67
Corrosion class	C5-M

Light Technical Data

Light source	LED
Lumen out (lm)	26304
Lumen per Watt (lm/W)	144
Lamp colour temp (K)	5000
CRI Colour rendering index	80
Beam angle (°)	100
MacAdam step	3
Light source included	True

Driver / Ballast

Type of LED Driver	HF
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Lifetime

LED Lifetime L70B50 Ta45 (h)	100 000
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Electrical Data

Minimum Voltage -10% (VAC)	220
Maximum voltage +10% (VAC)	254
Minimum frequency -5% (Hz)	50
Maximum frequency +5% (Hz)	60
Total consumption (W)	183
Number of luminaires on a 10A MCB type B (80% load)	10
Number of luminaires on a 10A MCB type C (80% load)	10
Number of luminaires on a 16A MCB type B (80% load)	16
Number of luminaires on a 16A MCB type C (80% load)	16

Optic

Optic	WB - Wide beam
Material of diffuser	Safety glass
Diffuser material design	Clear

Housing

Main body material	Seawater-resistant aluminium
Surface treatment	Anodized
Body colour	Black
Main body colour name	Black
Main body colour surface	Powder coated
Material Junction Box	Glass Reinforced Polyester

Dimensions

Length (mm)	388
Width (mm)	288
Height (mm)	145
Net weight (kg)	10.3592

Cable Inlet

Cable gland	M25-Nickel plated brass
Number of cable glands	2
Number of blind plugs	2
Max cable diameter (mm)	17
Min cable diameter (mm)	7

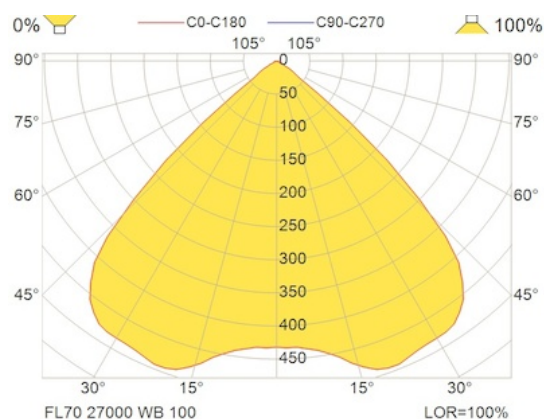
Logistic Data

Net weight (kg)	10.3592
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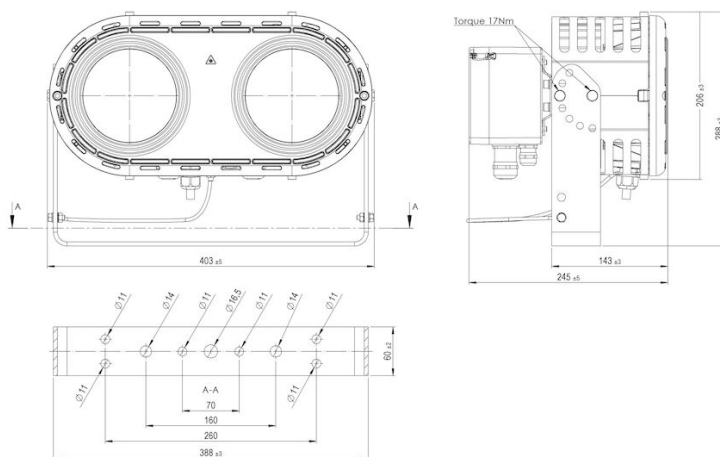
Remarks

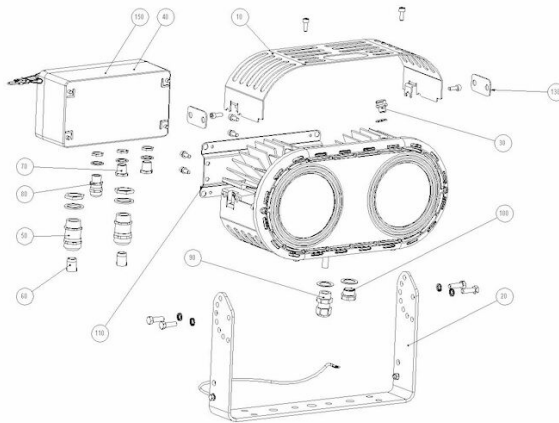
- + Cable entry: 2xM25×1.5 brass nickel plated D9-17mm (included reduction sealing insert D7-12mm)
- + Blind plugs: 2xM16×1.5 polyamide
- + Membrane vent: 1xM12×1.5 polyamide/RAL 9005-black.
- + With junction box GRP/RAL 7000-grey and cover sheet aluminium/RAL 9005-black.
- + DC input info: Running the light on DC will only give 50% light output, power will be 50%. Thermal derating is also disconnected.

Illustrations



distance [m]	cone diameter [m]	illuminance [lx]
1.0	2.17	E(0°) 11462 E(C0) 47.3° 4495
2.0	4.33	E(0°) 2965 E(C0) 47.3° 1124
3.0	6.50	E(0°) 1274 E(C0) 47.3° 499
4.0	8.67	E(0°) 716 E(C0) 47.3° 281
5.0	10.84	E(0°) 458 E(C0) 47.3° 180





Pos.	Description	Spare part no.
10	FL70 cover sleeve, incl. mounting kit	7640293000
20	FL70 bracket incl. mounting kit	7640293000
30	Membrane sensor M224-5	7640293000
40	Junction box new cap	7640293000
50	Cable gland M25x1.5 (20-25)	7640293000
60	Blind plug M25x1.5 (20-25)	7640293000
70	Blind plug M25x1.5	7640293000
80	Cable gland M25x1.5	7640293000
90	Cable gland M25x1.5 (20-25)	7640293000
100	Green pipe M224-5	7640293000
110	FL70 testing plate for 10-100	7640293000
120	FL70 testing plate for 10-100	7640293000
130	Junction box new dimmable cap	7640293000
140	Junction box new dimmable cap	7640293000

Images



Report No. NL351279WAL2

Test Report Highly Accelerated Life Test

Product	Glamox FL70 Floodlights	
Name and address of the applicant	Glamox AS Borgen Høstebakkveien 13, 5405 Mjølde, Norway	
Name and address of the manufacturer	Glamox AS Borgen Høstebakkveien 13, 5405 Mjølde, Norway	
Model	FL70 270000-08	
Rating	-	
Trademark		
Serial number	-	
Additional information	-	
Tested according to	IPC 9552A 2013	
Order number	-	
Tested in period	7.12.2020-10.12.2020	
Issue date	-	
Performed by	Responsible laboratory	Test site
	Nemko AS Påbyggetorvet 40, 1380 Lyngby, Norway	Nemko AS Gørsetorvet 1, 1380 Lyngby, Norway
Authorized signatories		
	Tested by (Ole Rasmussen)	Approved by (Søren E. Hansen)
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