

**PRODUCT DATA SHEET**

Iota Marine 7500lm 740 Asymmetric 50/37,5/25W BK IP66

Art.no: 102840-02-2

*Lighting Solutions*

## Iota Marine 7500lm 740 Asymmetric 50/37,5/25W BK IP66



Iota Marine is ideal for outdoor use and sports facilities that require durable lighting capable of withstanding challenging weather conditions. This LED light has a C5 corrosion class and IP66 rating, providing extra protection against water and dust. Additionally, Iota Marine offers a lifespan of up to 100,000 hours (L80B10) and delivers flicker-free illumination

ELECTRICAL DATA	
Protection Class (system)	1
Dimming (system)	None
Voltage (system) [V]	230V 50Hz

TECHNICAL DATA	
IK (system)	IK08
IP (system)	IP66
Outdoor	Yes
Operating temperature (°C)	-30 - 50
Wind force (EPA) (m <sup>2</sup> ) at 0°	0.05

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PHOTOMETRIC DATA	
Efficacy (system) (lm/W)	135
CRI / Ra (>=)	70
CCT (Color Temperature) (K)	4000
Color Code	740
Lightsource Type	LED (replaceable)
Socket / Cap-Base	N/A
Lens (Diffuser)	Lens
Lifetime (h)	L80B10: 100 000
MacAdam (SDCM)	5
Manufacturer (light source)	MTC OPTOELECTRONICS
Forward Current LED (min-max) (mA)	20 - 150
Forward Voltage LED (max tp=25) (V)	6.2
Driftspenning LED (min tp=65) (V)	5.6

DRIVER	
Manufacturer (driver)	Done
Protection Class (driver)	1
Standby power Psb (W) <	0.5
Flicker metric (Pst LM) <	0.075
Stroboscopic effect metric (SVM) <	1.78
Max Output Voltage (V)	58
Dimming (driver)	0-10V
Dimming Minimum Level (%)	7.0
Dimming output type	Amplitude Modulation
IP (driver)	IP67
Expected Lifetime (driver) (h)	80000
Flicker-free	No
Constant current or voltage (CC or CV)	CC
CC (driver) [mA]	500 - 1200
Current setting (driver)	None
CC (forward voltage driver) (V)	32.0 - 58.0
CV (driver) [V]	46
Output Current Tolerance (%)	5.0
Current Ripple (%)	85.0

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DRIVER	
Max load pr circuit - B10	11
Max load pr circuit - B16	18
Max load pr circuit - C10	18
Max load pr circuit - C16	30
Max load pr circuit - C20	37
Leakage current (mA)	0.7
Inrush current time ( $\mu$ s)	170.0
Inrush current I <sub>max</sub> (A)	31.0

DIMENSIONS	
Length (product) (mm)	292.0
Width (product) (mm)	55.0
Height (product) (mm)	245.0
Weight (product) (kg)	1.9

MATERIALS AND SURFACES	
Color	Black
RAL Code	RAL9017
Corrosion Class	C5

INSTALLATION AND CONNECTION	
Areas of use	Outdoor, Sports areas
Mounting	Wall
Connection (system)	Cable 1.5m

ENERGY AND CERTIFICATIONS	
Energy Class EPREL	C
CE mark	Yes