

**PRODUCT DATA SHEET**

Iota 41000lm 740 60°x120° (Polarized 55°) 300W BK IP65  
 Art.no: 3590-03-120-2

*Lighting Solutions*

## Iota 41000lm 740 60°x120° (Polarized 55°) 300W BK IP65



Iota is a cost-effective flood light delivered in five different sizes (50W-100W-150W-200W-300W). Iota has a professional asymmetrical optics for multiple indoor and outdoor applications. The flood light has an external vent to avoid internal fogging and frosting. Pole mounting and protective wire mesh can be bought separately.

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

TECHNICAL DATA	
IK (system)	IK08
IP (system)	IP65
Outdoor	Yes
Operating temperature (°C)	-30 - 50
Wind force (EPA) (m <sup>2</sup> ) at 0°	0.24

PHOTOMETRIC DATA	
Efficacy (system) (lm/W)	139
CRI / Ra (>=)	70
CCT (Color Temperature) (K)	4000

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PHOTOMETRIC DATA	
Color Code	740
Lightsource Type	LED (built in)
Socket / Cap-Base	N/A
Lens (Diffuser)	Clear
Lifetime (h)	L80B10: 100 000
MacAdam (SDCM)	5
Manufacturer (light source)	Lumileds

DRIVER	
Manufacturer (driver)	Inventronics
Protection Class (driver)	1
Standby power Psb (W) <	0.5
Flicker metric (Pst LM) <	0.005
Stroboscopic effect metric (SVM) <	0.014
Max Output Voltage (V)	60
Dimming (driver)	1-10V
Dimming Minimum Level (%)	10.0
Dimming output type	Amplitude Modulation
IP (driver)	IP67
Expected Lifetime (driver) (h)	90000
Constant current or voltage (CC or CV)	CC
CC (driver) [mA]	5350 - 7600
Current setting (driver)	None
CC (forward voltage driver) (V)	21.0 - 60.0
Surge Protection	L-N = 6KV, L/N-PE = 10KV
Output Current Tolerance (%)	5.0
Current Ripple (%)	10.0
Max load pr circuit - B10	3
Max load pr circuit - B16	6
Max load pr circuit - C10	4
Max load pr circuit - C16	7
Max load pr circuit - C20	8
Max load pr circuit - C25	11
Leakage current (mA)	0.75
Inrush current time (µs)	2520.0

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DRIVER	
Inrush current I <sub>max</sub> (A)	13.6

DIMENSIONS	
Length (product) (mm)	567.0
Width (product) (mm)	97.0
Height (product) (mm)	465.0
Weight (product) (kg)	9.5

MATERIALS AND SURFACES	
Color	Black
Corrosion Class	C3
Housing Material	Aluminium
Diffuser Material	Polycarbonate

INSTALLATION AND CONNECTION	
Areas of use	Outdoor, Sports areas
Mounting	Wall
Connection (system)	Cable 1m

ENERGY AND CERTIFICATIONS	
CE mark	Yes
Energy Efficiency Class	A+



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**LIGHT DISTRIBUTION**

