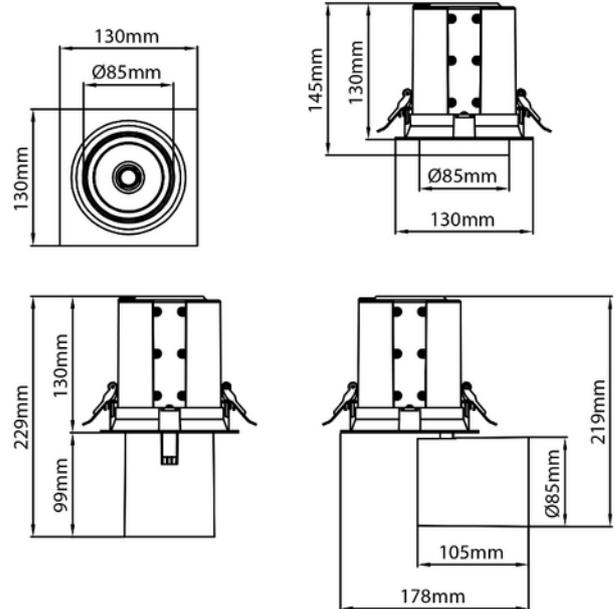


**PRODUCT DATA SHEET**

Aram Maxi Single Square 3550lm 930 20° 28W BK 18i3

Art.no: 40831-7-20-2

*Lighting Solutions*

Aram Maxi Single Square 3550lm 930 20° 28W BK 18i3



Aram Maxi Single Square is a modern and efficient recessed downlight developed for projects with high demands for performance, flexibility, and precise light control. The luminaire is made from solid die-cast aluminum and combines a clean, contemporary design with advanced lighting technology.

The downlight is available with multiple color temperatures and high color rendering (CRI >90), ensuring natural color reproduction and a comfortable lighting environment. For enhanced control, the luminaire can be equipped with honeycomb filters and color filters.

With passive cooling technology, tempered glass, and high color consistency (<3 SDCM), Aram Maxi Single Square is a reliable and high-quality solution for professional lighting applications.

ELECTRICAL DATA	
Protection Class (system)	2
Dimming (system)	None
Voltage (system) [V]	230V 50Hz

TECHNICAL DATA	
IP (system)	IP20

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TECHNICAL DATA	
Outdoor	No
Operating temperature (°C)	-20 - 50

PHOTOMETRIC DATA	
Efficacy (system) (lm/W)	114
CRI / Ra (>=)	90
CCT (Color Temperature) (K)	3000
Color Code	930
Lightsource Type	LED (built in)
Lens (Diffuser)	Clear
Lifetime (h)	L80B10: 50.000
MacAdam (SDCM)	3
Manufacturer (light source)	Tridonic
Forward Current LED (min-max) (mA)	null - 1540
Forward Voltage LED (max tp=25) (V)	38.7
Driftspenning LED (min tp=65) (V)	29.3

DRIVER	
Manufacturer (driver)	Tridonic
Protection Class (driver)	1 or 2
Flicker metric (Pst LM) <	1.0
Stroboscopic effect metric (SVM) <	0.4
Max Output Voltage (V)	60
Dimming (driver)	None
IP (driver)	IP20
Expected Lifetime (driver) (h)	100000
Constant current or voltage (CC or CV)	CC
CC (driver) [mA]	500 - 800
CC (forward voltage driver) (V)	25.0 - 44.0
Output Current Tolerance (%)	7.5
Current Ripple (%)	5.0
Max load pr circuit - B10	14
Max load pr circuit - B16	24
Max load pr circuit - C10	24
Max load pr circuit - C16	40

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DRIVER	
Inrush current time (μ s)	200.0
Inrush current I _{max} (A)	25.0

DIMENSIONS	
Length (product) (mm)	130.0
Width (product) (mm)	130.0
Height (product) (mm)	145.0
Weight (product) (kg)	1.3

MATERIALS AND SURFACES	
Color	Black

INSTALLATION AND CONNECTION	
Areas of use	Cafe, Hotel, Open access areas, Restaurant, Shop, Showroom
Mounting	Recessed
Connection (system)	18i3 Quick connection

ENERGY AND CERTIFICATIONS	
CE mark	Yes
Energy Efficiency Class	A+