

Product data sheet

3F MANTA AN 50/830 WIDE

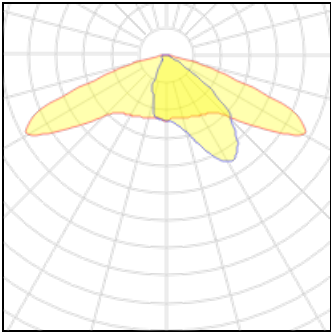
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ILLUMINOTECHNICAL Luminous efficiency 100% (DLOR 100%, ULOR 0%). Initial luminous flux of the luminaire 6227 lm. Asymmetric distribution with wide bilateral. BUG (Backlight, Uplight, Glare) IESNA TM-15: B1 U0 G1. Tabular UGR (CIE 117 - 4H-8H; S=0.25H; 70/50/20): RUG 35.8 - 16. Luminous efficacy 117 lm/W. Lifetime (L93/B10): 30000 h. (tq+25°C) Lifetime (L90/B10): 50000 h. (tq+25°C) Lifetime (L85/B10): 80000 h. (tq+25°C) Lifetime (L80/B10): 100000 h. (tq+25°C) Lifetime (L90/B20): 50000 h. (tq+50°C) Sudden decreased luminous flux after 50000 hours: 0% (C0). Photobiological safety in compliance with IEC/TR 62778: RG0 risk exempt, (IEC 62471). In compliance with IEC/EN 62722-2-1 - IEC/EN 62717 standards. SOURCE Squared LED module 50W/830. Source with special protection against aggressive chemically-volatile substances for standard LED technology. Energy efficiency class (UE 2019/2020 - UE 2019/2015): E. CIE 13.3 Colour rendering index: CRI >80 (R9 <50%). IES TM-30 Fidelity Index: Rf = 84 Rg = 95. CCT nominal colour temperature 3000 K. Colour initial tolerance (MacAdam): SDCM 5. MECHANICAL Aerodynamically-shaped die-cast aluminium double-shell body for low wind resistance, equipped with fins to optimize the cooling of the internal components. Shell closure using stainless steel screws on stainless steel bushings, with hinged opening for easy access to the wiring compartment, equipped with system against accidental closure. Polyester powder coating with degreasing pre-treatment and phosphate layer deposit on the metal, UV stabilised, corrosion resistant, anthracite colour, salt spray resistance ISO 9227 >1000 h. Parabolic cellular optics with total recovery, entirely made of semi-specular high reflection aluminium with titanium and magnesium surface treatment, to maintain optical performance over time. Polyurethane foam seals, ecological, anti-aging, installed using a continuous automatic process with no joints. VT extra transparent tempered glass diffuser, 4 mm thick, non-combustible, with Heat Soak Test (HST) thermal treatment, which drastically reduces the risk of spontaneous breakage. Stainless steel internal and external screws. Luminaire with limited surface temperature. - D - (EN 60598-2-24) Dimensions: 660x440 mm, height 166 mm. Weight 10.295 kg. IP66 protection degree. Mechanical strength to impacts IK08 (5 joule). Glow-wire test resistance 960°C. ELECTRICAL Halogen Free electronic wiring 230V-50/60Hz, power factor 0.97, THD <25%, constant output current, class I, 1 driver. Power of the luminaire 53 W. ENEC - CE. SAFE FLICKER: PstLM=<1 and SVM=<0.4 (IEC TR 61547-1 and IEC TR 63158), to ensure a more comfortable and safe light. Ambient temperature from -20°C to +50°C. Temperature class T6 max 85°C. Safety break switch to shut off the power supply when opening the device. Insulation voltage 6kV via Source Protector. SPD type 2+3 (combined) device to protect against voltage surges up to 10 kV in common and differential mode. Thermal protection of the LED module via NTC sensor (Negative Temperature Coefficient). M20x1.5 IP68 nylon cable gland for feeding input (cables with an min-max diameter 6-13mm). Pressure compensating valve with anti-condensation effect. Relative humidity UR: <85%. INSTALLATION Post-top / arm / wall. Installation with always necessary "Pole fixing" accessory (see accessories). All accessories dedicated to this product are available on the Catalog and on our website www.3F-Filippi.com. ACCESSORIES Pole mount in die-cast aluminium with the same paint treatment as the body (for Ø 60 mm and Ø 76 mm poles) equipped with special teeth for adjusting the inclination on the head of the device by ± 20° with an adjustment pitch of 5°. Possibility of installing on vertical pole (pole head) and horizontal pole (arm). Mounting on the device using the supplied stainless steel screws on self-locking stainless steel nuts. A0439 - Pole mounting diameter 60 mm. A0440 - Pole mounting diameter 76 mm. APPLICATIONS Outdoor environments, general lighting, work and roadway lighting, transit areas and building perimeters, parking lots, trade fairs. Control of light pollution, in accordance with the legislative requirements in force. LIGHT MANAGEMENT Upon request, the appliance can be supplied with "Virtual Midnight" programming. WARNING Luminaire designed for disposal/recycling at end-of-life. Replaceable (LED only) light source by a professional. Replaceable control gear by a professional.

Light output 1



1 x LED			
Nominal lamp power	53 W	LOR	100%
Lamp flux	6227 lm	Total flux	6227 lm
Luminous efficacy	117 lm/W	Total power	53 W
CCT	3000 K		
CRI	80		

Mounting mode

Ceiling mounted, Standing / Bollard

Shape and measurements

Length: 25.98 in
Width: 17.32 in
Height: 6.54 in

Adjustability

Fixed

Electric

System power: 53 W
Appliance Class: I

Protection

IP: 66
IK: 08