

EMFA

Where design, manufacturing,
electronics and material expertise
meet to create light.



EMFA

Light extends the day.

A garden, a building, a road – at nightfall each one disappears. The right light brings it back, and the hours a place can be used no longer end with the daylight.

EMFA A.Ş. was founded in 1958 and has been run by the same family for three generations. Its founder, Andon Kasapoğlu, ran the Istanbul trading house that first brought Bakelite to Turkey – thermoset pressing is still one of EMFA's own production steps today.

Almost every part of an EMFA fixture is made by EMFA. Casting, tooling, machining, surface treatment and assembly all happen in-house, which is why EMFA can change a detail for a single project and still deliver in weeks.

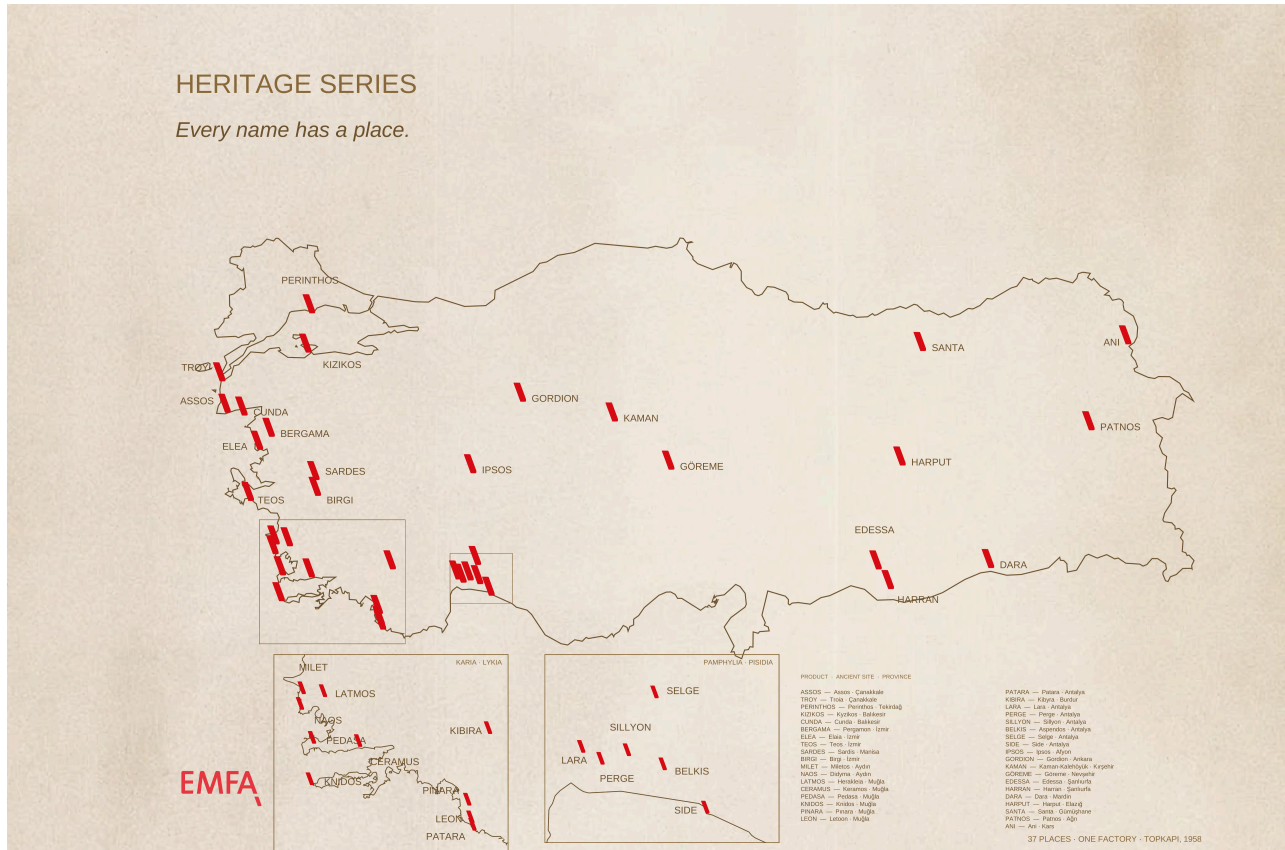
Certification

Built and tested to the EN 60598 series; CB certificates and the CE mark. Management systems to ISO 9001, 14001, 45001 and 10002.



Where the names come from

Milet, Knidos, Assos, Gordion, Perge, Sardes, Kibyra. These are the names of EMFA's product families, and every one belongs to an ancient city of Anatolia. By giving each family the name of a city, EMFA keeps that place present in the work being done today.



“The light of the ancient civilisations shines on the world through EMFA.”

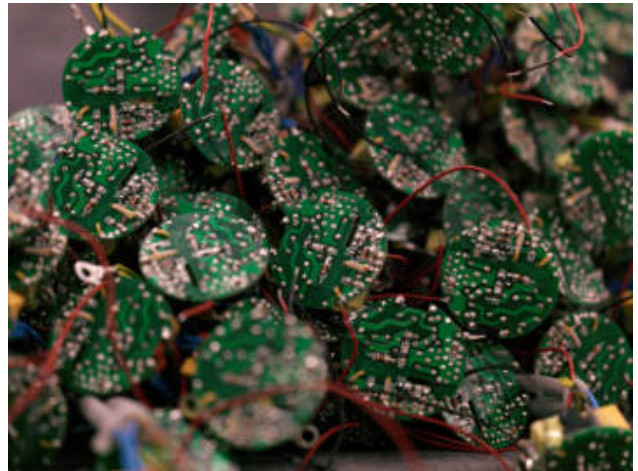
Form follows function — and physics

An LED is not a lamp. A fixture designed for a halogen source and then fitted with an LED will run hot, and heat is what shortens an LED's life. In a sealed IP67 or IP68 fixture there is only one way out for that heat: through the metal the LED touches.

So EMFA starts from the thermal path. LEDs are mounted on metal-core PCBs, bonded to the die-cast aluminium body, and the whole fixture works as a heat sink. Every fixture is designed to hold its values at 50 °C ambient — verified in EMFA's own laboratory, not taken from a datasheet.

Light quality

- Colour consistency within 3-step MacAdam
- CRI ≥ 80 standard, ≥ 90 on request
- 2700 K, 3000 K, 4000 K, 6000 K, plus amber, blue, green, red and RGB
- Photometric files (IES / LDT) measured in-house for every fixture



Made to suit the project

Every fixture in this catalogue can be altered to suit the project. At EMFA this is not an exception but the ordinary way of working.

Each fixture can be produced in one of 6 standard paint colours or in any RAL tone. To this are added 3 stainless steel finishes, 8 LED colours, 2 wattages and 5 or more lenses and reflectors. Where a project goes beyond the catalogue, trims, bodies, cable lengths and optics are modified as well.

Because tooling, casting and machining are done in EMFA's own factories, these changes are practical at project scale, not only for large production runs.



EMFA runs on its own sunlight.

EMFA owns a solar power plant in Kırşehir that generates an average of 1,000 MWh a year — roughly twice the combined electricity consumption of its two factories. Through net metering, all of the factories' electricity comes from that plant, and the surplus is fed back into the grid.

Long life by design

EMFA fixtures are built from die-cast aluminium and 316L stainless steel, sealed to IP67 and IP68, with LEDs kept cool by design. Many installed decades ago are still in service, and EMFA supplies parts long after production ends.

Certified management

ISO 14001 and ISO 45001 run alongside ISO 9001 and ISO 10002.



Two factories, one workflow

EMFA manufactures in Istanbul and in Tekirdağ, with a combined 15,000 m² of production area and around 75 people. Short lead times and one-off modifications are possible because design, tooling, casting, machining, finishing, electronics and the photometric laboratory all sit in EMFA's own plants.

Milestones

- 1940** Andon Kasapoğlu establishes Bakalit, the Istanbul trading house that first brings Bakelite to Turkey, and begins producing electrical components.
- 1958** Andon Kasapoğlu founds EMFA.
- 1975** Rokos Kasapoğlu, the second generation, joins EMFA.
- 1976** The first lighting fixture.
- 1979** Investment in aluminium die-casting.
- 1984** Lighting becomes EMFA's main business.
- 1990** Electrostatic painting plant: any RAL colour, in-house.
- 1996** The first LED fixture.
- 2005** CNC machining opens the way to small-batch production.
- 2012** Adnan Kasapoğlu, the third generation, joins EMFA.
- 2013** In-house photometric laboratory.
- 2020** A 10,000 m² facility opens in Malkara, Tekirdağ; laser cutting follows in 2021.
- 2025** The solar plant in Kırşehir comes online.



REFERENCES

Where EMFA is installed

EMFA exports to more than 40 countries. A selection of projects:

Zorlu Center Istanbul
Palmarina Bodrum
Mall of Istanbul Istanbul
Spine Tower Istanbul
Port Alaçatı Marina İzmir
JW Marriott Marquis Hotel Dubai
JW Marriott Absheron Hotel Baku
Jeju Global Education City Jeju
University of the West of England Bristol
Rixos Tersane Istanbul
Four Seasons Hotel Bosphorus Istanbul
Radisson Blu Hotel Çeşme
Galataport Istanbul
Cullinan Hotel Antalya
Lara Barut Antalya

Yerebatan Sarnıcı Istanbul
Watergarden Istanbul
Papillon Zeugma Hotel Antalya
Uniq Istanbul
Hyde Hotel Bodrum
Akra Hotel Antalya
Ela Quality Hotel Antalya
Maxx Royal Bodrum
ADNOC Abu Dhabi
Büyükyalı Istanbul
Mandarin Oriental Bosphorus Istanbul
Aviva Stadium Dublin
Argos in Cappadocia Nevşehir
The Ritz-Carlton Istanbul
Mövenpick Hotel Istanbul Asia Istanbul



EMFA

EMFA Elektrik Malzeme Fabrikası A.Ş.

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Tekirdağ Çavuşköy Mah. Arda Cad. No. 18, 59300 Malkara / Tekirdağ — TÜRKİYE

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Catalogue 2027 • Photometric files, installation drawings and datasheets: emfa.com.tr. Specifications are subject to change without notice. Lumen values measured in EMFA's photometric laboratory, 2026.

documents





TÜRK STANDARDLARI ENSTİTÜSÜ
TÜRK STANDARDLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS

Markanın Tanımı Description of the Mark
TSE

BELGE NUMARASI
REFERENCE NUMBER OF LICENCE 000058-TSE-02/04

BELGENİN İLK VERİLİŞ TARİHİ
DATE OF FIRST ISSUE OF LICENCE 24.04.2013

BELGENİN SON GEÇERLİLİK TARİHİ
LICENCE VALID UNTIL 30.03.2026

BELGE SAHİBİ KURULUŞUN ADI
NAME OF THE LICENCE HOLDER EMFA ELEKTRİK MALZEME FABRİKASI ANONİM ŞİRKETİ

BELGE SAHİBİ KURULUŞUN ADRESİ
ADDRESS OF THE LICENCE HOLDER MALTEPE MAH. CEBE ALİ BEY SK. /18 NO:1 ZEYTİNBURNU İSTANBUL/TÜRKİYE

ÜRETİM YERİ ADI
NAME OF THE MANUFACTURING PLACE EMFA ELEKTRİK MALZEME FABRİKASI ANONİM ŞİRKETİ

ÜRETİM YERİ ADRESİ
ADDRESS OF THE MANUFACTURING PLACE DAVUTPAŞA CAD. CEBELİBEY SOK. NO:18 34020 TOPKAPI İSTANBUL / TÜRKİYE

İPTAL EDİLEN BELGE NUMARASI (Varsa)
INDICATION OF SUPERSEDED LICENCE (if any) 000058-TSE-02/03

TESCİLLİ TİCARİ MARKASI
REGISTERED TRADE MARK EMFA

İLGİLİ TÜRK STANDARDI
RELATED TURKISH STANDARD TS EN IEC 60598-2-1 / 30.09.2021 – TS EN IEC 60598-1 / 12.04.2021
– TS EN IEC 60598-1/11 / 28.04.2022

BELGE KAPSAMI
SCOPE OF LICENCE -Beltek Model, 220-230 V, 50-60 Hz., I Sınıfı, IP 67, 36 W LED'li Genel Amaçlı Sabit Aydınlatma Armatürü (K.G.: 21.02.2022)

e-imza/e-signed
08.07.2025

Belgelendirme Merkezi Başkanı Adına
AKDOĞAN BULUT

İSTANBUL BELGELENDİRME MÜDÜRÜ V.

"Bu belge, belgelendirilen ürünün, üretici ya da tedarikçisi tarafından belgelendirildiği şekilde kullanıldığını gösterir."
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BELGE NUMARASI
REFERENCE NUMBER OF LICENCE 000058-TSE-01/05

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İPTAL EDİLEN BELGE NUMARASI (Varsa)
INDICATION OF SUPERSEDED LICENCE (if any) 000058-TSE-01/04

TESCİLLİ TİCARİ MARKASI
REGISTERED TRADE MARK EMFA

İLGİLİ TÜRK STANDARDI
RELATED TURKISH STANDARD TS EN IEC 60598-2-18 / 30.09.2022 – TS EN IEC 60598-1/11 / 28.04.2022

BELGE KAPSAMI
SCOPE OF LICENCE -Atlantis Model, 12-24 V d.c., III Sınıfı, IP 68, 30 W LED'li Havuz Aydınlatma Armatürü (K.G.:20.12.2021)

e-imza/e-signed
08.07.2025

Belgelendirme Merkezi Başkanı Adına
AKDOĞAN BULUT

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TSE

BELGE NUMARASI
REFERENCE NUMBER OF LICENCE 000058-TSE-04/03

BELGENİN İLK VERİLİŞ TARİHİ
DATE OF FIRST ISSUE OF LICENCE 25.06.2006

BELGENİN SON GEÇERLİLİK TARİHİ
LICENCE VALID UNTIL 02.03.2026

BELGE SAHİBİ KURULUŞUN ADI
NAME OF THE LICENCE HOLDER EMFA ELEKTRİK MALZEME FABRİKASI ANONİM ŞİRKETİ

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ÜRETİM YERİ ADI
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İPTAL EDİLEN BELGE NUMARASI (Varsa)
INDICATION OF SUPERSEDED LICENCE (if any) 000058-TSE-04/02

TESCİLLİ TİCARİ MARKASI
REGISTERED TRADE MARK EMFA

İLGİLİ TÜRK STANDARDI
RELATED TURKISH STANDARD TS EN 60598-2-5 / 18.02.2016 – TS EN IEC 60598-1 / 12.04.2021 – TS EN IEC 60598-1/11 / 28.04.2022

BELGE KAPSAMI
SCOPE OF LICENCE STAR MODEL 230 V, 50 Hz MAX 500W, I SINIFI, IP 54 HALOJEN LAMBALARLA KULLANILAN PROJİKTÖR (K.D.: 08.07.2024)
ALFA MODEL 230 V, 50 Hz MAX 500W, I SINIFI, IP 55 HALOJEN LAMBALARLA KULLANILAN PROJİKTÖR (K.D.: 08.07.2024)
BETA 1 MODEL 230 V, 50 Hz MAX 1000W, I SINIFI, IP 55 HALOJEN LAMBALARLA KULLANILAN PROJİKTÖR (K.D.: 08.07.2024)



e-imza/e-signed
08.07.2025

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REFERENCE NUMBER OF LICENCE 000058-TSE-03/05

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DATE OF FIRST ISSUE OF LICENCE 22.11.2002

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BELGE KAPSAMI
SCOPE OF LICENCE -Downlight Model, 220-230 V, 50-60 Hz., I Sınıfı, IP 65, 30 W LED'li Gömme Aydınlatma Armatürü (K.G.: 01.02.2022)

e-imza/e-signed
13.10.2025

Belgelendirme Merkezi Başkanı Adına
MUSA TOKKAN

İSTANBUL BELGELENDİRME MÜDÜRÜ V.

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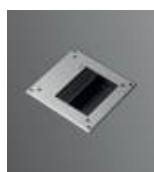


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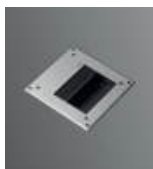


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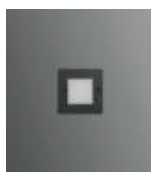
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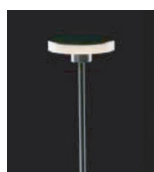


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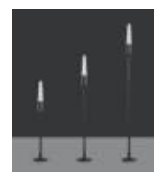
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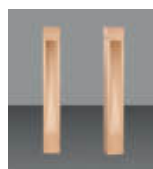
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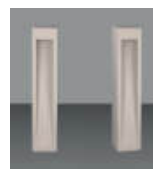
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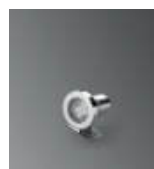
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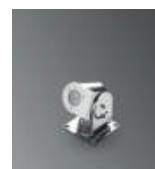
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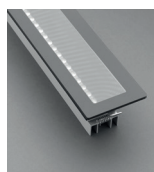
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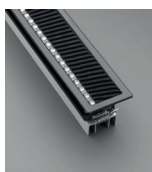
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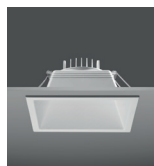
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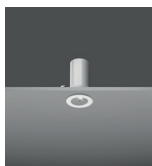
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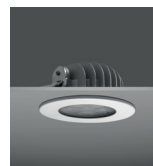
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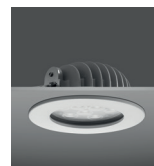
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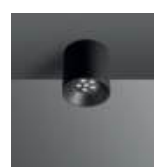
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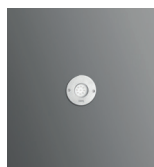


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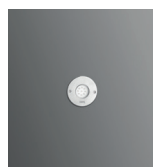
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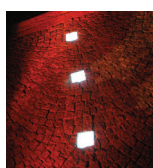
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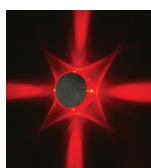
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