

Luminaire list (Site 1)							
Index	Manufacturer	Article name	Item number	Fitting	Luminous flux	Maintenance factor	Connected load
1	3F Filippi S.p.A.	3F 66-1 LED S II	8307	1x LED C - 840	774 lm	0.80	9 W
2	3F Filippi S.p.A.	3F Manta AN 100/730 II MEDIUM	7042	1x LED G - 730	13028 lm	0.80	103 W
3	3F Filippi S.p.A.	3F Reno 150 VH 3000/630 WIDE + V5 BK	30353+AO1038	1x LED G C038 Reno - 3000 - 938	2256 lm	0.80	37 W
#	Name	Parameter	Min	Max	Average	Min/Average	Min/Max
1	Calculation surface 1	Perpendicular Illuminance (Adaptive)	0.002 fc	19.7 fc	1.34 fc	0.001	0.000
		Perpendicular Illuminance	0.001 fc	36.1 fc	1.18 fc	0.000	0.000
		Horizontal Illuminance	0.001 fc	36.1 fc	1.18 fc	0.000	0.000
2	Surface result object	Perpendicular Illuminance (Adaptive)	0.000 fc	19.6 fc	0.004 fc	0.00	0.00
		Luminance (Adaptive)	0.000 cd/m²	6.71 cd/m²	0.001 cd/m²	-	0.00

GENERAL NOTES - SITE PLAN

- DEVELOPMENT AND USE OF THIS SITE WILL CONFORM WITH ALL APPLICABLE CODES AND ORDINANCES.
- ALL NEW OR RELOCATED UTILITIES WILL BE PLACED UNDERGROUND.
- STRUCTURES AND LANDSCAPING WITHIN A TRIANGLE MEASURED BACK 10' FROM THE PROPERTY LINE AND 20' ALONG THE PROPERTY LINE ON EACH SIDE OF THE DRIVEWAY ENTRANCES WILL BE MAINTAINED AT A MAXIMUM HEIGHT OF 3'.
- ANY LIGHTING WILL BE PLACED SO AS TO DIRECT LIGHT AWAY FROM ADJACENT RESIDENTIAL DISTRICTS AND WILL NOT EXCEED ONE FOOT CANDLE AT THE PROPERTY LINE. NO NOISE, ODOR, OR VIBRATION WILL BE EMITTED AT ANY LEVEL EXCEEDING THE GENERAL LEVEL OF NOISE, ODOR, OR VIBRATION EMITTED BY USES IN THE AREA OUTSIDE OF THE SITE.
- OWNERS OF PROPERTY ADJACENT TO THE PUBLIC RIGHTS-OF-WAY WILL HAVE THE RESPONSIBILITY FOR MAINTAINING ALL LANDSCAPING LOCATED WITHIN THE RIGHTS-OF-WAY, IN ACCORDANCE WITH THE APPROVED PLANS.
- THE EXISTING STRUCTURES MUST COMPLY WITH THE CHANGE OF OCCUPANCY PROVISIONS IN THE CITY OF PHOENIX CONSTRUCTION CODE PRIOR TO USE.
- AFTER FINAL APPROVAL THE PROJECT WILL BE INSPECTED FOR ZONING COMPLIANCE DURING CONSTRUCTION AND PRIOR TO OCCUPANCY. THE APPLICANT IS TO NOTIFY DSD PRIOR TO OCCUPANCY TO ARRANGE FOR INSPECTIONS.
- ALL ROOFTOP EQUIPMENT AND SATELLITE DISHES SHALL BE SCREENED TO THE HEIGHT OF THE TALLEST EQUIPMENT.
- ALL SERVICE AREAS SHALL BE SCREENED TO CONCEAL TRASH CONTAINERS, LOADING DOCKS, TRANSFORMERS, BACKFLOW PREVENTERS AND OTHER MECHANICAL OR ELECTRICAL EQUIPMENT FROM EYE LEVEL ADJACENT TO ALL PUBLIC STREETS.
- BARBED, RAZOR, OR CONCERTINA WIRE SHALL NOT BE USED ON THIS SITE WHERE VISIBLE FROM PUBLIC STREETS OR ADJACENT RESIDENTIAL AREAS.
- SIGNAGE WILL BE REVIEWED UNDER A SEPARATE PERMIT.
- WALLS ARE NOT APPROVED AS PART OF THE LANDSCAPE PLAN BUT ARE SHOWN FOR REFERENCE ONLY. WALLS ARE EXISTING.
- ALL RAMPS MUST MEET ADA ACCESSIBILITY GUIDELINES (ADAAG) STANDARDS, 2% MAX CROSS SLOPES, AND 12:1 MAXIMUM LONGITUDINAL SLOPES.
- FIELD VERIFY ALL DIMENSIONS.
- CONTRACTOR TO REFER TO FLOOR PLANS FOR ALL DIMENSIONS. IF REFERENCES IN THE CONSTRUCTION DOCUMENTS DO NOT COINCIDE WITH THE EXISTING CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ARCHITECT IN WRITING BEFORE PROCEEDING WITH THE WORK.
- REFER TO MECHANICAL, PLUMBING, ELECTRICAL, AND STRUCTURAL PLANS FOR THE DEMOLITION OF EXISTING DUCTS, GRILLS, OUTLETS, CONTROLS, PIPING, FIXTURES, CONCRETE SLABS, ETC. TO BE DEACTIVATED, REMOVED, OR RELOCATED.
- THE CONTRACTOR SHALL COORDINATE ALL WORK AS REQUIRED TO PROTECT AND MAINTAIN THE OPERATIONAL INTEGRITY OF THE EXISTING UTILITY SYSTEMS.
- THE CONTRACTOR SHALL COORDINATE ALL WORK AS REQUIRED TO PROTECT AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING.
- CONTRACTOR SHALL TAKE NECESSARY REQUIREMENTS TO PROTECT ALL EXISTING TO REMAIN ITEMS - TYP.
- EXISTING STONE-ON-CONCRETE-SLAB TO BE DEMOLISHED IS AS SHOWN BUT NOT LIMITED TO HATCHED AREA.
- REMOVE ALL CONDUIT, WIRE AND ELECTRICAL DEVICES AS REQUIRED TO FACILITATE DEMOLITION.
- GRASS NEAR DEMO'D PATIO STRUCTURE TO BE REMOVED.



Consultant ID

Sun Devil Auto

Mesa, AZ 85208

Revision

Project Number

2025.05

Date

Issue Date

Drawn By

RM

Reviewed By

NP

Sheet Title

Preliminary
Photometric

E021

Scale

As indicated

3F Manta AN 100/730 II MEDIUM

3F Filippi

3F Manta

Outdoor



7042

Surface-mounted on ceiling

Dimensions: 660x440x166 mm

ILLUMINOTECHNICAL CHARACTERISTICS

Luminous efficiency 100% (DLOR 100%, ULOR 0%).

Initial luminous flux of the luminaire 13028 lm.

Asymmetric distribution with medium bilateral.

BUG (Backlight, Uplight, Glare) IESNA TM-15: B3 U0 G2.

Luminous efficacy 126 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+45°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 100W/730 with special protection against aggressive chemically-volatile substances, for standard LED technology.

Energy efficiency class: E.

CIE 13.3 Colour rendering index: CRI >70 (R9 <50%).

IES TM-30 Fidelity Index: Rf = 72 Rg = 95.

CCT nominal colour temperature 3000 K.

Colour initial tolerance (MacAdam): SDCM 5.

MECHANICAL CHARACTERISTICS

Aerodynamically-shaped die-cast aluminium double-shell body for

3F Filippi

Via del Savena, 28

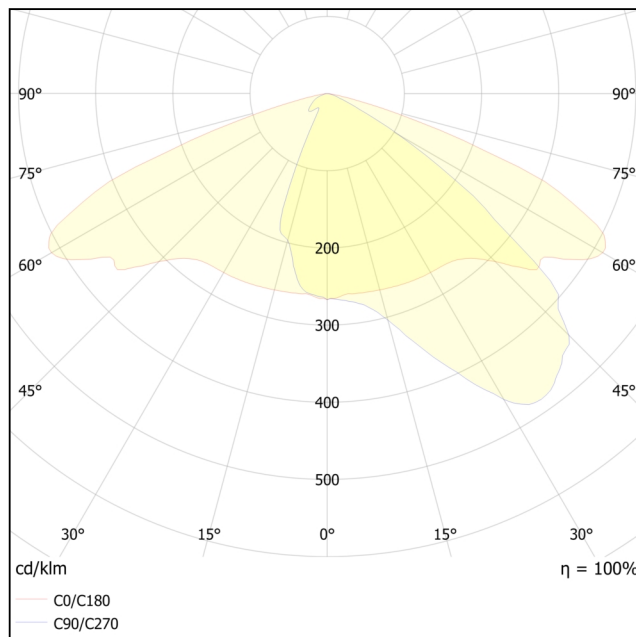
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<https://www.3f-filippi.com/en>



IP66

Equipment

1x LED Q - 730

103W

13028lm

Technical and design specifications subject to change without notice.

Created by

DIALux catalogue

3F 66 1 LED 6 II

3F Filippi

3F 66 LED

Outdoor



8357

Surface-mounted on wall

Dimensions: 255x344x176 mm

ILLUMINOTECHNICAL CHARACTERISTICS

Luminous efficiency 100% (DLOR 99%, ULOR 1%).

Initial luminous flux of the luminaire 774 lm.

Downward bilateral distribution.

BUG (Backlight, Uplight, Glare) IESNA TM-15: B1 U1 G1.

Luminous efficacy 86 lm/W.

Lifetime (L75/B10): 30000 h. (tq+25°C)

Lifetime (L70/B10): 50000 h. (tq+25°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

LED module 6W/840.

Energy efficiency class: E.

CIE 13.3 Colour rendering index: CRI >80 (R9 <50%).

IES TM-30 Fidelity Index: Rf = 84 Rg = 95.

CCT nominal colour temperature 4000 K.

Colour initial tolerance (MacAdam): SDCM 4.

MECHANICAL CHARACTERISTICS

Self-extinguishing V2 polycarbonate housing, injection moulded, RAL 7035 grey.

Flow recuperator in specular aluminium with superficial titanium-magnesium treatment, non-iridescent.

Transparent PMMA diffuser, injection moulded, with smooth outer surface and differentiated prismatic inner surface.

3F Filippi

Via del Savena, 28

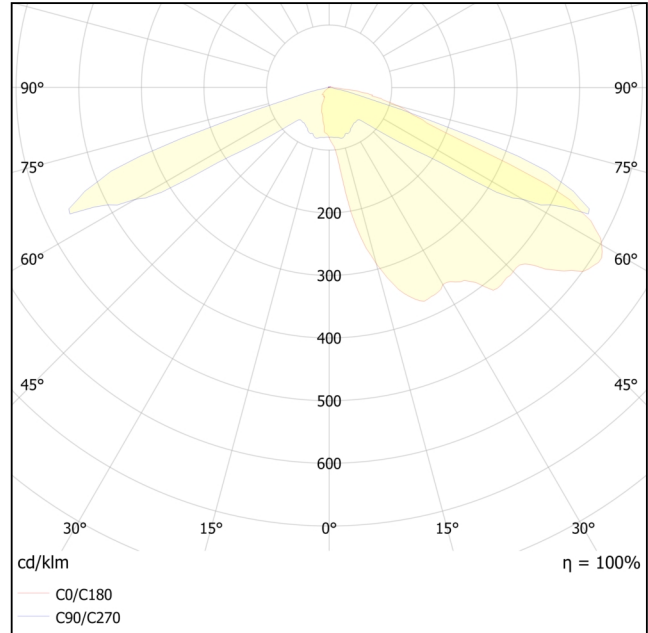
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IP65

Equipment

1x LED C - 840

9W

774lm

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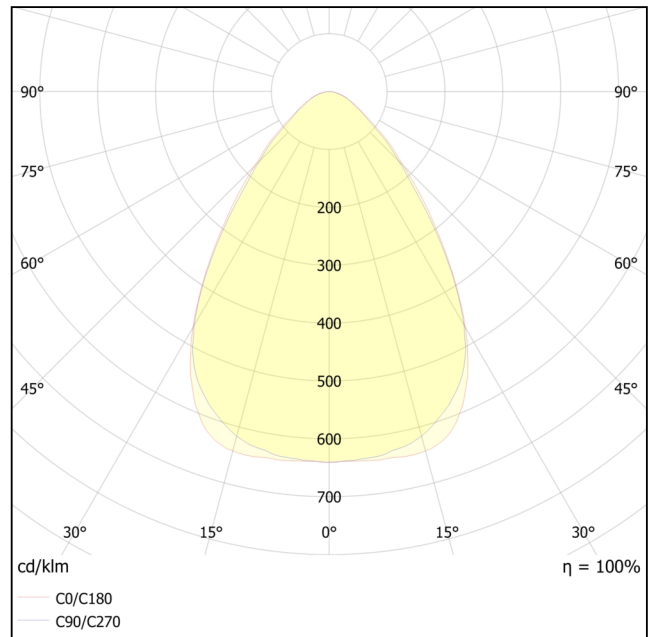
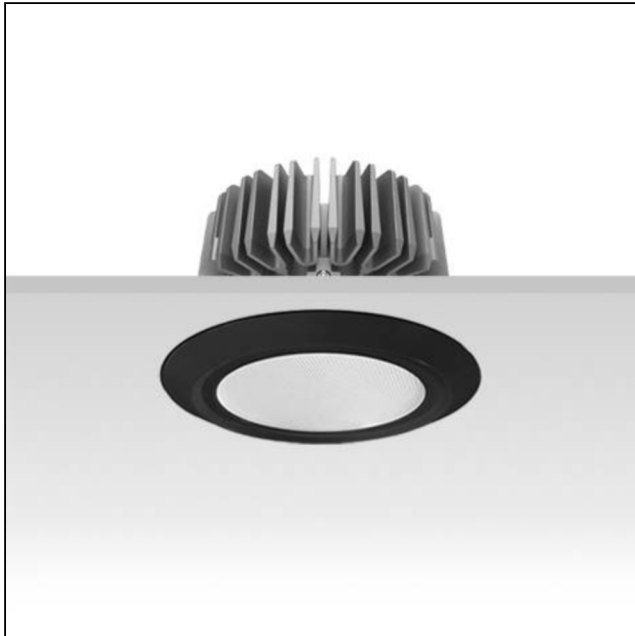
DIALux catalogue

3F Reno 150 WH 3000/930 WIDE + VS BK

3F Filippi

3F Reno White

Recessed luminaires



30353+A01036

Recessed in ceiling

Dimensions: 166x166x107 mm

ILLUMINOTECHNICAL CHARACTERISTICS

Luminous efficiency 100% (DLOR 100%, ULOR 0%).

Initial luminous flux of the luminaire 2256 lm.

Direct symmetric wide distribution.

Installation Interdistance Transv.D = 1.12 x hu - Long.D = 1.11 x hu.

UGR <23 (EN 12464-1).

Beam angle: 73°.

Luminous efficacy 61 lm/W.

Lifetime (L90/B10): 30000 h. (tq+25°C)

Lifetime (L85/B10): 50000 h. (tq+25°C)

Lifetime (L70/B10): 80000 h. (tq+25°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

Compact LED module 3000/930.

Energy efficiency class: E.

CIE 13.3 Colour rendering index: CRI >90 (R9 >50%).

IES TM-30 Fidelity Index: Rf = 92 Rg = 101.

CCT nominal colour temperature 3000 K.

Colour initial tolerance (MacAdam): SDCM 3.

Zhaga Book 3 compliant.

MECHANICAL CHARACTERISTICS

Passive heat dissipator in die-casting aluminium, oversized, for optimum thermal management of the LED module.

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IP44

Equipment

1x LED C COB Reno - 3000 - 930

37W

2256lm

Technical and design specifications subject to change without notice.

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DIALux catalogue