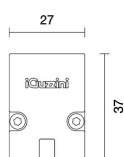


Last information update: May 2025

**Product configuration: UF21**

UF21: 27 Surface Full Remote - Warm White - 48 Vdc - L=1216mm - Wide Flood optic

**Product code**

UF21: 27 Surface Full Remote - Warm White - 48 Vdc - L=1216mm - Wide Flood optic

**Technical description**

Direct light linear luminaire, designed to use monochrome LED lamps. The product can be installed using pairs of arms, ceiling/ground/wall-mounting bases, stakes, and pendant rods and cables (to be ordered separately). The body is made of extruded aluminium and includes die-cast aluminium end caps with 50/60 Shore A silicone seals. It is subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The top of the optical assembly is closed by a 5mm thick transparent glass screen, fixed with silicone. Complete with Warm White multi-LED circuit. Both the 48Vdc control card (available in a DMX version and a DALI version) and the power supply must be purchased separately. Supplied with a connector with an IP68 threaded locknut. The products have a double connector (male/female) to allow pass-through wiring and continuous line applications. The product is supplied with a closure cover (UV-resistant) that covers the cables and protects against dirt and UV rays. Fitted with an Opti Beam Reflector optical system with a Wide Flood optic. All external screws used are made of A2 stainless steel.

**Installation**

Installation accessories can be purchased separately, including arms for wall installations at a height of less than 3m, arms for wall installations at a height of more than 3m, bases for ceiling or wall-mounted installations, stakes, and pendant rods and cables.

**Colour**

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

**Weight (Kg)**

1.38

**Mounting**

wall arm|wall surface|ceiling surface

**Wiring**

Ceiling, wall, surface, stake and pendant installation.

**Notes**

Supplied with a connector with an IP68 threaded locknut. The products have a double connector (male/female) to allow pass-through wiring and continuous line applications. Both the control card and power supply are remote and must be purchased separately.

Complies with EN60598-1 and pertinent regulations



IK06

IP66

**Technical data**

|                                                    |           |                                       |                                |
|----------------------------------------------------|-----------|---------------------------------------|--------------------------------|
| Im system:                                         | 1554      | MacAdam Step:                         | 3                              |
| W system:                                          | 15.3      | Life Time LED 1:                      | 100,000h - L85 - B10 (Ta 25°C) |
| Im source:                                         | 2220      | Life Time LED 2:                      | 100,000h - L85 - B10 (Ta 40°C) |
| W source:                                          | 12        | Voltage [Vin]:                        | 48                             |
| Luminous efficiency (Im/W, real value):            | 101.6     | Lamp code:                            | LED                            |
| Im in emergency mode:                              | -         | Number of lamps for optical assembly: | 1                              |
| Total light flux at or above an angle of 90° [Lm]: | 0         | ZVEI Code:                            | LED                            |
| Light Output Ratio (L.O.R.) [%]:                   | 70        | Number of optical assemblies:         | 1                              |
| Beam angle [°]:                                    | 56° / 58° | Intervallo temperatura ambiente:      | from -30°C to 50°C.            |
| CRI (minimum):                                     | 80        | LED current [mA]:                     | 40                             |
| Colour temperature [K]:                            | 2700      | Control:                              | PWM                            |

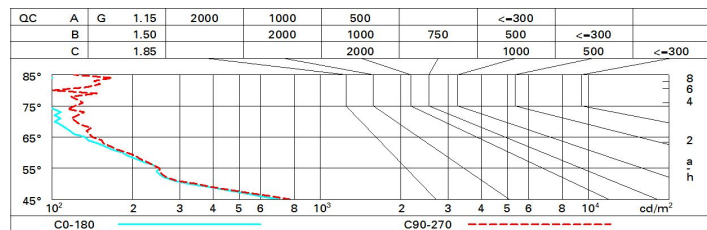
**Polar**

|                                                |                                                                                                                                                                                                                                    |     |     |     |      |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|------|
| <p>Imax=2093 cd<br/>C5-185<br/>α=56° / 58°</p> | <b>CIE</b><br>nL 0.70<br>99-100-100-100-70<br>UGR <10-10<br><b>DIN</b><br>A.61<br><b>UTE</b><br>0.70A+0.00T<br>F*1=990<br>F*1+F*2=998<br>F*1+F*2+F*3=1000<br><b>CIBSE</b><br>LG3 L<1500 cd/m² at 65°<br>UGR<10   L<1500 cd/mq @65° |     |     |     |      |
|                                                | Lux                                                                                                                                                                                                                                |     |     |     |      |
|                                                | h                                                                                                                                                                                                                                  | d1  | d2  | Em  | Emax |
|                                                | 2                                                                                                                                                                                                                                  | 2.1 | 2.2 | 407 | 523  |
|                                                | 4                                                                                                                                                                                                                                  | 4.2 | 4.4 | 102 | 131  |
| 6                                              | 6.3                                                                                                                                                                                                                                | 6.7 | 45  | 58  |      |
|                                                | 8                                                                                                                                                                                                                                  | 8.4 | 8.9 | 25  | 33   |

# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 63 | 60 | 57 | 56 | 59 | 57 | 57 | 54 | 78  |
| 1.0  | 66 | 63 | 61 | 59 | 62 | 60 | 60 | 58 | 82  |
| 1.5  | 69 | 67 | 65 | 64 | 66 | 64 | 64 | 62 | 88  |
| 2.0  | 71 | 70 | 68 | 67 | 69 | 67 | 67 | 65 | 93  |
| 2.5  | 73 | 71 | 70 | 70 | 70 | 69 | 69 | 67 | 95  |
| 3.0  | 73 | 73 | 72 | 71 | 71 | 71 | 70 | 68 | 97  |
| 4.0  | 74 | 74 | 73 | 73 | 73 | 72 | 71 | 69 | 99  |
| 5.0  | 75 | 74 | 74 | 74 | 73 | 73 | 72 | 70 | 100 |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 2220 lm bare lamp luminous flux)             |      |                     |      |      |      |      |                   |      |      |      |      |
|-----------------------------------------------------------------------|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.:<br>ceiling/cav<br>walls<br>work pl.<br>Room dim<br>x      y |      | 0.70                | 0.70 | 0.50 | 0.50 | 0.30 | 0.70              | 0.70 | 0.50 | 0.50 | 0.30 |
|                                                                       |      | 0.50                | 0.30 | 0.50 | 0.30 | 0.30 | 0.50              | 0.30 | 0.50 | 0.30 | 0.30 |
|                                                                       |      | 0.20                | 0.20 | 0.20 | 0.20 | 0.20 | 0.20              | 0.20 | 0.20 | 0.20 | 0.20 |
|                                                                       |      | viewed<br>crosswise |      |      |      |      | viewed<br>endwise |      |      |      |      |
| 2H                                                                    | 2H   | 5.5                 | 5.9  | 5.8  | 6.1  | 6.4  | 6.7               | 7.1  | 7.0  | 7.4  | 7.6  |
|                                                                       | 3H   | 5.4                 | 5.8  | 5.7  | 6.0  | 6.3  | 6.6               | 7.0  | 6.9  | 7.3  | 7.5  |
|                                                                       | 4H   | 5.3                 | 5.7  | 5.6  | 6.0  | 6.3  | 6.5               | 6.9  | 6.8  | 7.2  | 7.5  |
|                                                                       | 6H   | 5.2                 | 5.6  | 5.6  | 5.9  | 6.2  | 6.4               | 6.8  | 6.8  | 7.1  | 7.4  |
|                                                                       | 8H   | 5.2                 | 5.5  | 5.6  | 5.9  | 6.2  | 6.4               | 6.7  | 6.8  | 7.1  | 7.4  |
|                                                                       | 12H  | 5.2                 | 5.5  | 5.5  | 5.8  | 6.2  | 6.4               | 6.7  | 6.7  | 7.0  | 7.4  |
| 4H                                                                    | 2H   | 5.3                 | 5.7  | 5.6  | 6.0  | 6.3  | 6.5               | 6.9  | 6.9  | 7.2  | 7.5  |
|                                                                       | 3H   | 5.2                 | 5.5  | 5.5  | 5.8  | 6.2  | 6.4               | 6.7  | 6.8  | 7.1  | 7.4  |
|                                                                       | 4H   | 5.1                 | 5.4  | 5.5  | 5.7  | 6.1  | 6.3               | 6.6  | 6.7  | 7.0  | 7.3  |
|                                                                       | 6H   | 5.0                 | 5.3  | 5.4  | 5.7  | 6.1  | 6.2               | 6.5  | 6.6  | 6.9  | 7.3  |
|                                                                       | 8H   | 5.0                 | 5.2  | 5.4  | 5.6  | 6.1  | 6.2               | 6.4  | 6.6  | 6.8  | 7.3  |
|                                                                       | 12H  | 4.9                 | 5.1  | 5.4  | 5.6  | 6.0  | 6.1               | 6.3  | 6.6  | 6.8  | 7.2  |
| 8H                                                                    | 4H   | 5.0                 | 5.2  | 5.4  | 5.6  | 6.0  | 6.2               | 6.4  | 6.6  | 6.8  | 7.3  |
|                                                                       | 6H   | 4.9                 | 5.1  | 5.3  | 5.5  | 6.0  | 6.1               | 6.3  | 6.6  | 6.8  | 7.2  |
|                                                                       | 8H   | 4.8                 | 5.0  | 5.3  | 5.5  | 6.0  | 6.1               | 6.2  | 6.5  | 6.7  | 7.2  |
|                                                                       | 12H  | 4.8                 | 4.9  | 5.3  | 5.4  | 5.9  | 6.0               | 6.2  | 6.5  | 6.6  | 7.2  |
| 12H                                                                   | 4H   | 4.9                 | 5.1  | 5.4  | 5.5  | 6.0  | 6.2               | 6.4  | 6.6  | 6.8  | 7.3  |
|                                                                       | 6H   | 4.8                 | 5.0  | 5.3  | 5.5  | 6.0  | 6.1               | 6.2  | 6.5  | 6.7  | 7.2  |
|                                                                       | 8H   | 4.8                 | 4.9  | 5.3  | 5.4  | 5.9  | 6.0               | 6.2  | 6.5  | 6.6  | 7.2  |
| Variations with the observer position at spacing:                     |      |                     |      |      |      |      |                   |      |      |      |      |
| S =                                                                   | 1.0H | 6.5 / -10.4         |      |      |      |      | 6.6 / -10.7       |      |      |      |      |
|                                                                       | 1.5H | 9.3 / -11.4         |      |      |      |      | 9.4 / -11.7       |      |      |      |      |
|                                                                       | 2.0H | 11.2 / -12.1        |      |      |      |      | 11.4 / -12.2      |      |      |      |      |