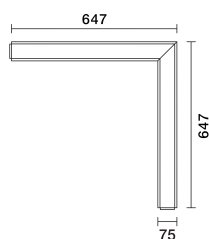# iN60 Evo System

**Design iGuzzini**  **iGuzzini**

Last information update: May 2025

### Product configuration: RY07.01+RU58.38
RY07.01: Frame recessed corner module - Warm White - Down - UGR< 19 - LO - DALI - 8.5W 960lm - 3000K - White
RU58.38: Single Microprismatic screen L=1200 (UGR) - Opaline

### Product code
RY07.01: Frame recessed corner module - Warm White - Down - UGR< 19 - LO - DALI - 8.5W 960lm - 3000K - White

### Technical description
Recessed corner element for profiles in Frame version with contact frame; including a Warm White LED module in a Low Output (LO) version with UGR<19 controlled luminance (L≤3000cd/m²) ideal for environments with video monitors. Integrated DALI dimmable power supply with pass-through wiring for continuous lines. The module optic and structural fittings allow high luminous flux and system efficiency values. Extruded aluminium heat sink and "Halogen Free" electric cables. Element with light not including a screen but compatible with both roll and single MPO screens.

### Installation
Recessed

### Colour
White (01)

### Wiring
Quick coupling terminal block connection to simplify connections between the subsequent modules. Complete with integrated dimmable DALI power supply.

Complies with EN60598-1 and pertinent regulations

IP20    CE    UKCA    ⊠

647

647

75

### Accessory code
RU58.38: Single Microprismatic screen L=1200 (UGR) - Opaline

### Technical description
Flexible single Microprismatic screen for composition L=1200 - UGR< 19 optic -

### Installation
snapped on via special springs located in the profile

### Colour
Opaline (38)

### Notes

TPa rated

Complies with EN60598-1 and pertinent regulations

### Technical data

| | | | |
|---|---|---|---|
| lm system: | 960 | Colour temperature [K]: | 3000 |
| W system: | 8.5 | MacAdam Step: | 3 |
| lm source: | 750 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| W source: | 3.5 | Lamp code: | LED |
| Luminous efficiency (lm/W, real value): | 112.9 | Number of lamps for optical assembly: | 1 |
| lm in emergency mode: | - | ZVEI Code: | LED |
| Total light flux at or above an angle of 90° [Lm]: | 0 | Number of optical assemblies: | 2 |
| Light Output Ratio (L.O.R.) [%]: | 64 | Control: | DALI-2 |
| CRI (minimum): | 80 | | |

**Polar**
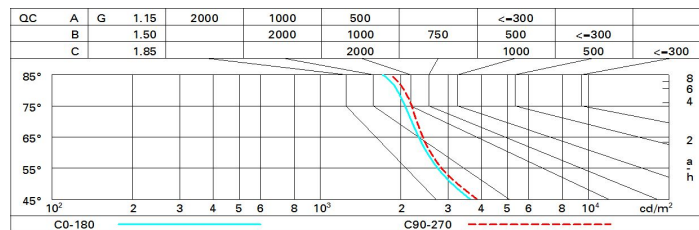
| Imax=316 cd | | C5-185 | CIE | Lux | | | | |
|---|---|---|---|---|---|---|---|---|
| 90° | 180° | 90° | nL 0.64 | | | | | |
| | | | 65-88-97-100-64 | h | d1 | d2 | Em | Emax |
| | | | UGR 18.3-18.0 | | | | | |
| | | | **DIN** | 1 | 1.3 | 1.3 | 221 | 315 |
| | | | A.51 | | | | | |
| | | | **UTE** | 2 | 2.6 | 2.7 | 55 | 79 |
| 300 | | | 0.64C+0.00T | | | | | |
| | | | F"1=646 | | | | | |
| | | | F"1+F"2=876 | 3 | 3.9 | 4 | 25 | 35 |
| | | | F"1+F"2+F"3=972 | | | | | |
| | 0° | | **CIBSE** | | | | | |
| | | | LG3 L<3000 cd/m² at 65° | 4 | 5.2 | 5.4 | 14 | 20 |
| α=66° / 68° | | | UGR<19 l L<3000 cd/mq @65° | | | | | |
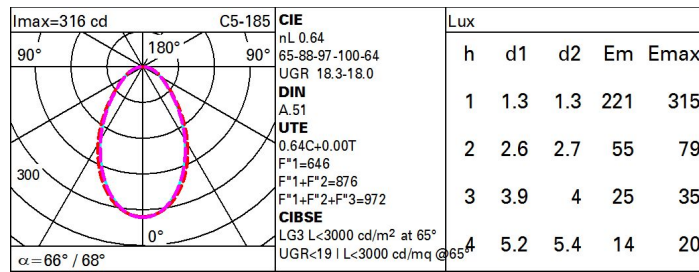
**Utilisation factors**

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|---|---|---|---|---|---|---|---|---|---|
| K0.8 | 47 | 42 | 38 | 35 | 41 | 37 | 37 | 33 | 52 |
| 1.0 | 51 | 46 | 42 | 39 | 45 | 42 | 41 | 38 | 59 |
| 1.5 | 57 | 52 | 49 | 47 | 51 | 49 | 48 | 45 | 70 |
| 2.0 | 60 | 57 | 54 | 52 | 55 | 53 | 52 | 49 | 77 |
| 2.5 | 62 | 59 | 57 | 55 | 58 | 56 | 55 | 52 | 81 |
| 3.0 | 63 | 61 | 59 | 57 | 60 | 58 | 57 | 54 | 85 |
| 4.0 | 65 | 63 | 61 | 60 | 62 | 60 | 59 | 57 | 88 |
| 5.0 | 65 | 64 | 63 | 62 | 63 | 62 | 60 | 58 | 91 |

**Luminance curve limit**

| QC | A | G | 1.15 | 2000 | | 1000 | | 500 | | <=300 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | B | | 1.50 | | | 2000 | | 1000 | 750 | 500 | <=300 | |
| | C | | 1.85 | | | | 2000 | | | 1000 | 500 | <=300 |

| | | |
|---|---|---|
| C0-180 | C90-270 | |

**UGR diagram**

Corrected UGR values (at 750 lm bare lamp luminous flux)

| Riflect.: ceil/cav | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| walls | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 |
| work pl. | | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| Room dim | | | | viewed | | | | | viewed | | |
| x | y | | | crosswise | | | | | endwise | | |
| 2H | 2H | 15.1 | 16.1 | 15.4 | 16.4 | 16.6 | 15.4 | 16.4 | 15.7 | 16.6 | 16.9 |
| | 3H | 16.3 | 17.2 | 16.6 | 17.5 | 17.8 | 15.6 | 16.5 | 16.0 | 16.8 | 17.1 |
| | 4H | 16.8 | 17.6 | 17.1 | 17.9 | 18.2 | 15.7 | 16.6 | 16.1 | 16.9 | 17.2 |
| | 6H | 17.2 | 18.0 | 17.6 | 18.3 | 18.6 | 15.7 | 16.5 | 16.1 | 16.9 | 17.2 |
| | 8H | 17.3 | 18.1 | 17.7 | 18.4 | 18.8 | 15.7 | 16.5 | 16.1 | 16.8 | 17.2 |
| | 12H | 17.4 | 18.2 | 17.8 | 18.5 | 18.9 | 15.7 | 16.4 | 16.1 | 16.8 | 17.2 |
| 4H | 2H | 15.5 | 16.4 | 15.9 | 16.7 | 17.0 | 17.0 | 17.9 | 17.4 | 18.2 | 18.5 |
| | 3H | 16.9 | 17.6 | 17.3 | 18.0 | 18.3 | 17.5 | 18.3 | 17.9 | 18.6 | 19.0 |
| | 4H | 17.5 | 18.2 | 17.9 | 18.5 | 18.9 | 17.8 | 18.4 | 18.2 | 18.8 | 19.2 |
| | 6H | 18.1 | 18.7 | 18.5 | 19.1 | 19.5 | 17.9 | 18.5 | 18.4 | 18.9 | 19.3 |
| | 8H | 18.3 | 18.8 | 18.7 | 19.2 | 19.7 | 18.0 | 18.5 | 18.4 | 18.9 | 19.4 |
| | 12H | 18.4 | 18.9 | 18.9 | 19.4 | 19.8 | 18.0 | 18.5 | 18.4 | 18.9 | 19.4 |
| 8H | 4H | 17.8 | 18.3 | 18.2 | 18.7 | 19.2 | 18.6 | 19.1 | 19.0 | 19.5 | 19.9 |
| | 6H | 18.5 | 18.9 | 19.0 | 19.4 | 19.9 | 18.9 | 19.3 | 19.4 | 19.8 | 20.3 |
| | 8H | 18.8 | 19.2 | 19.3 | 19.6 | 20.1 | 19.0 | 19.4 | 19.5 | 19.9 | 20.4 |
| | 12H | 19.0 | 19.3 | 19.5 | 19.8 | 20.4 | 19.1 | 19.5 | 19.6 | 20.0 | 20.5 |
| 12H | 4H | 17.8 | 18.3 | 18.3 | 18.7 | 19.2 | 18.7 | 19.2 | 19.2 | 19.6 | 20.1 |
| | 6H | 18.6 | 18.9 | 19.0 | 19.4 | 19.9 | 19.1 | 19.5 | 19.6 | 19.9 | 20.5 |
| | 8H | 18.9 | 19.2 | 19.4 | 19.7 | 20.2 | 19.3 | 19.6 | 19.8 | 20.1 | 20.6 |

Variations with the observer position at spacing:

| S = | | | |
|---|---|---|---|
| 1.0H | 0.2 / -0.3 | | 0.2 / -0.3 |
| 1.5H | 0.3 / -0.6 | | 0.3 / -0.6 |
| 2.0H | 0.7 / -0.7 | | 0.8 / -0.7 |