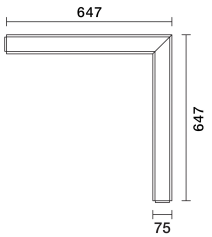
iN60 Evo System

Design iGuzzini **iGuzzini**

Last information update: February 2025

Product configuration: RY12.01+RU58.38
RY12.01: Frame recessed corner module - Neutral White - Down - UGR< 19 - LO - DALI - 8.5W 857.6lm - 4000K - CRI 90 - White
RU58.38: Single Microprismatic screen L=1200 (UGR) - Opaline



Product code
RY12.01: Frame recessed corner module - Neutral White - Down - UGR< 19 - LO - DALI - 8.5W 857.6lm - 4000K - CRI 90 - White

Technical description
Recessed corner element for profiles in Frame version with contact frame; including a Neutral 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

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

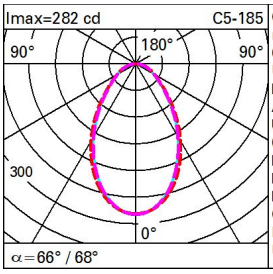
TPa rated

Complies with EN60598-1 and pertinent regulations

Technical data

lm system:	858	Colour temperature [K]:	4000
W system:	8.5	MacAdam Step:	3
lm source:	670	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	3.5	Lamp code:	LED
Luminous efficiency (lm/W, real value):	100.9	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):	90		

Polar



CIE
nL 0.64
65-88-97-100-64
UGR 17.9-17.6
DIN
A.51
UTE
0.64C+0.00T
F"1=646
F"1+F"2=876
F"1+F"2+F"3=972
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<19 I L<3000 cd/mq @65°

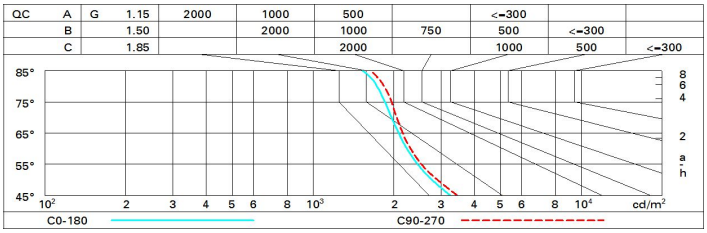
Lux

h	d1	d2	Em	Emax
1	1.3	1.3	197	281
2	2.6	2.7	49	70
3	3.9	4	22	31
4	5.2	5.4	12	18

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



UGR diagram

Corrected UGR values (at 670 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	14.7	15.7	15.0	16.0	16.3	15.0	16.0	15.3	16.2	16.5
	3H	15.9	16.8	16.2	17.1	17.4	15.2	16.1	15.6	16.4	16.7
	4H	16.4	17.2	16.7	17.5	17.9	15.3	16.2	15.7	16.5	16.8
	6H	16.8	17.6	17.2	17.9	18.2	15.4	16.1	15.7	16.5	16.8
	8H	16.9	17.7	17.3	18.0	18.4	15.4	16.1	15.7	16.4	16.8
	12H	17.0	17.8	17.4	18.1	18.5	15.3	16.0	15.7	16.4	16.8
4H	2H	15.1	16.0	15.5	16.3	16.6	16.6	17.5	17.0	17.8	18.1
	3H	16.5	17.2	16.9	17.6	17.9	17.1	17.9	17.5	18.2	18.6
	4H	17.1	17.8	17.5	18.2	18.6	17.4	18.0	17.8	18.4	18.8
	6H	17.7	18.3	18.1	18.7	19.1	17.5	18.1	18.0	18.5	18.9
	8H	17.9	18.4	18.4	18.8	19.3	17.6	18.1	18.0	18.5	19.0
	12H	18.1	18.5	18.5	19.0	19.4	17.6	18.1	18.1	18.5	19.0
8H	4H	17.4	17.9	17.8	18.3	18.8	18.2	18.7	18.6	19.1	19.6
	6H	18.1	18.5	18.6	19.0	19.5	18.5	18.9	19.0	19.4	19.9
	8H	18.4	18.8	18.9	19.2	19.7	18.6	19.0	19.1	19.5	20.0
	12H	18.6	19.0	19.1	19.4	20.0	18.8	19.1	19.3	19.6	20.1
12H	4H	17.4	17.9	17.9	18.3	18.8	18.3	18.8	18.8	19.2	19.7
	6H	18.2	18.5	18.7	19.0	19.5	18.7	19.1	19.2	19.6	20.1
	8H	18.5	18.8	19.0	19.3	19.8	18.9	19.2	19.4	19.7	20.2

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