Design iGuzzini iGuzzini

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#### Product configuration: QY31.12+QX58.01

QY31.12: LED module - L 2384 - 78° - up (40%) and down (60%) emission - high output - neutral white - integrated DALI dimmable control gear - Aluminium

QX58.01: IN60 MMO - Up and Down Module - Minimal - L= 2384 - 4000K - CRI 80 - White



#### **Product code**

QY31.12: LED module - L 2384 - 78° - up (40%) and down (60%) emission - high output - neutral white - integrated DALI dimmable control gear - Aluminium

#### Technical description

LED module set up for housing in IN60 MMO up (40%) and down (60%) emission system profiles. The raster is made of metallised thermoplastic. The luminaire generates a down emission with controlled luminance  $L \le 3000$  cd/m2 –  $\alpha > 65^{\circ}$ , for use in environments with video monitors in compliance with EN 12464-1. The version is High Output. Supplied with DALI dimmable electronic control gear. Neutral white LED (4000K), CRI80.

#### Installation

Module insertion on compartments with a mechanical easy-push system (steel snap-on springs).

Colour Weight (Kg)
Aluminium (12) 1.9

# Wiring

Quick coupling input terminal block connection. LED module complete with integrated DALI control gear. The electrical cables used are made of a "halogen free" material.

Complies with EN60598-1 and pertinent regulations















#### Product code

QX58.01: IN60 MMO - Up and Down Module - Minimal - L= 2384 - 4000K - CRI 80 - White

#### Technical description

The L profile=2384 mm is made of extruded aluminium. This is the Minimal version for up (4000K and CRI80) and down emission. The product can be used for pendant applications; in both a stand alone version and when the product is used in continuous lines.

#### Installation

Installation can be pendant-mounted using suitable accessories to be ordered separately. The modules are completed with end caps and rasters with LEDs to be ordered separately.

 Colour
 Weight (Kg)

 White (01)
 4

## Mounting

ceiling recessed|wall surface|ceiling pendant







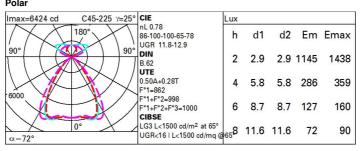




Complies with EN60598-1 and pertinent regulations

Technical data			
Im system:	13689	Lamp code:	LED
W system:	82	Number of lamps for optical	1
Im source:	17550	assembly:	
W source:	82	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	166.9	Number of optical assemblies:	1
Im in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above	4851	Inrush current:	53 A / 200 μs
an angle of 90° [Lm]:		Maximum number of	
Light Output Ratio (L.O.R.) [%]:	78	luminaires of this type per miniature circuit breaker:	B10A: 8 luminaires B16A: 13 luminaires
CRI (minimum):	80		C10A: 13 luminaires
Colour temperature [K]:	4000		C16A: 22 luminaires
MacAdam Step:	3	Minimum dimming %:	1
		Overvoltage protection:	2kV Common mode & 1kV Differential mode
		Control:	DALI-2

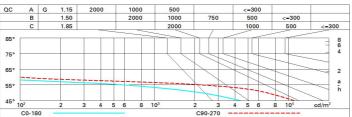
### Polar



#### **Utilisation factors**

R	77	75	73	71	55	53	33	00	DRR
K0.8	54	49	45	42	45	42	40	34	68
1.0	58	53	50	47	49	47	43	37	74
1.5	64	60	57	54	55	53	49	42	83
2.0	67	64	61	59	58	56	52	44	88
2.5	69	66	64	62	60	59	54	46	92
3.0	70	68	66	65	62	61	55	47	94
4.0	71	70	68	67	63	62	57	48	96
5.0	72	71	70	69	64	63	58	49	97

# Luminance curve limit



## UGR diagram

ceil/ca walls work   Room x 2H	pl.	0.70 0.50 0.20 12.7 12.4 12.3 12.2 12.2 12.1	13.2 12.9 12.8 12.6 12.5	0.50 0.50 0.20 viewed crosswis 13.4 13.2 13.1 13.0		0.30 0.30 0.20	0.70 0.50 0.20	0.70 0.30 0.20	0.50 0.50 0.20 viewed endwise 14.5 14.4	15.0	0.30 0.30 0.20
work   Room x	2H 3H 4H 6H 8H 12H	12.7 12.4 12.3 12.2 12.2	13.2 12.9 12.8 12.6 12.5	0.20 viewed crosswise 13.4 13.2 13.1	0.20 e 13.9 13.7	0.20	0.20	14.3	0.20 viewed endwise	0.20	0.20
Room x 2H	2H 3H 4H 6H 8H 12H	12.7 12.4 12.3 12.2 12.2	13.2 12.9 12.8 12.6 12.5	13.4 13.2 13.1	e 13.9 13.7	14.8	13.8	14.3	viewed endwise 14.5	15.0	15.9
х 2Н	y 2H 3H 4H 6H 8H 12H	12.4 12.3 12.2 12.2	13.2 12.9 12.8 12.6 12.5	13.4 13.2 13.1	13.9 13.7		100000000000000000000000000000000000000	14.3	endwise	15.0	
2H	2H 3H 4H 6H 8H 12H	12.4 12.3 12.2 12.2	13.2 12.9 12.8 12.6 12.5	13.4 13.2 13.1	13.9 13.7		100000000000000000000000000000000000000	14.3	14.5	15.0	
	3H 4H 6H 8H 12H	12.4 12.3 12.2 12.2	12.9 12.8 12.6 12.5	13.2 13.1	13.7		100000000000000000000000000000000000000				
4H	4H 6H 8H 12H	12.3 12.2 12.2	12.8 12.6 12.5	13.1		14.6	13.6	1/1	1//	110	100
4H	6H 8H 12H	12.2 12.2	12.6 12.5		13.5		10.0	1.4.1	14.4	14.8	15.7
4H	8H 12H	12.2	12.5	13.0		14.5	13.5	13.9	14.3	14.7	15.0
4H	<b>1</b> 2H				13.4	14.4	13.4	13.7	14.2	14.5	15.5
4H	Total Control	12.1	40.5	13.0	13.3	14.3	13.3	13.7	14.1	14.5	15.5
4H	2H		12.5	12.9	13.3	14.3	13.2	13.6	14.1	14.4	15.
		12.4	12.8	13.2	13.6	14.5	13.5	13.9	14.3	14.7	15.
	3H	12.1	12.5	13.0	13.3	14.3	13.2	13.6	14.1	14.4	15.
	4H	12.0	12.3	12.8	13.1	14.2	13.1	13.4	14.0	14.3	15.
	бН	11.9	12.1	12.7	13.0	14.0	13.0	13.3	13.9	14.1	15.2
	HS	11.8	12.0	12.7	12.9	14.0	12.9	13.2	13.8	14.0	15.
	12H	11.7	11.9	12.6	12.8	13.9	12.8	13.1	13.7	13.9	15.
вн	4H	11.8	12.0	12.7	12.9	14.0	12.9	13.2	13.8	14.0	15.
	6H	11.7	11.9	12.6	12.8	13.9	12.8	13.0	13.7	13.9	15.0
	HS	11.6	11.8	12.5	12.7	13.8	12.7	12.9	13.6	13.8	14.9
	12H	11.5	11.7	12.4	12.6	13.7	12.6	12.8	13.6	13.7	14.
12H	4H	11.7	11.9	12.6	12.8	13.9	12.8	13.1	13.7	13.9	15.0
	бН	11.6	11.8	12.5	12.7	13.8	12.7	12.9	13.6	13.8	14.9
	HS	11.5	11.7	12.4	12.6	13.7	12.6	12.8	13.6	13.7	14.
Variat	tions wi	th the ob	oserverp	osition a	at spacin	ıg:					
5 =	1.0H	3.9 / -11.5					3.1 / -9.1				
	1.5H	5.5 / -26.7					5.4 / -27.3				