

Last information update: May 2025

Product configuration: QY36.12+QX58.01

QY36.12: LED module - L 2384 - 78° - settable up and down 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

QY36.12: LED module - L 2384 - 78° - settable up and down emission - high output - neutral white - integrated DALI dimmable control gear - Aluminium **Attention! Code no longer in production**

Technical description

LED module set up for housing in IN60 MMO with settable up and down percentage emission system profiles. The raster is made of metallised thermoplastic. The luminaire generates a down emission with controlled luminance $L \leq 3000 \text{ cd/m}^2 - \alpha > 65^\circ$, 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

Aluminium (12)

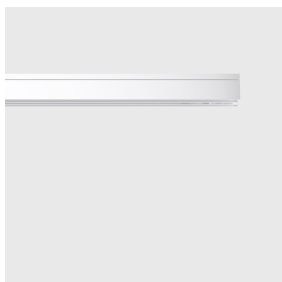
Weight (Kg)

1.93

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 **Attention! Code no longer in production**

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

White (01)

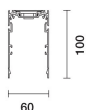
Weight (Kg)

4

Mounting

ceiling recessed|wall surface|ceiling pendant

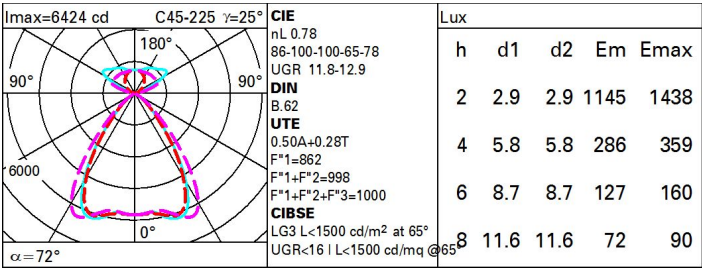
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	13689	CRI (minimum):	80
W system:	82	Colour temperature [K]:	4000
lm source:	17550	MacAdam Step:	3
W source:	82	Lamp code:	LED
Luminous efficiency (lm/W, real value):	166.9	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]:	4851	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	78	Control:	DALI-2

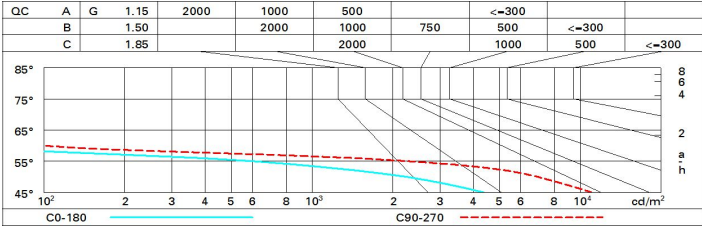
Polar



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

Corrected UGR values (at 17550 lm bare lamp luminous flux)												
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise					
2H	2H	12.7	13.2	13.4	13.9	14.8	13.8	14.3	14.5	15.0	15.9	
	3H	12.4	12.9	13.2	13.7	14.6	13.6	14.1	14.4	14.8	15.7	
	4H	12.3	12.8	13.1	13.5	14.5	13.5	13.9	14.3	14.7	15.6	
	6H	12.2	12.6	13.0	13.4	14.4	13.4	13.7	14.2	14.5	15.5	
	8H	12.2	12.5	13.0	13.3	14.3	13.3	13.7	14.1	14.5	15.5	
	12H	12.1	12.5	12.9	13.3	14.3	13.2	13.6	14.1	14.4	15.4	
4H	2H	12.4	12.8	13.2	13.6	14.5	13.5	13.9	14.3	14.7	15.6	
	3H	12.1	12.5	13.0	13.3	14.3	13.2	13.6	14.1	14.4	15.4	
	4H	12.0	12.3	12.8	13.1	14.2	13.1	13.4	14.0	14.3	15.3	
	6H	11.9	12.1	12.7	13.0	14.0	13.0	13.3	13.9	14.1	15.2	
	8H	11.8	12.0	12.7	12.9	14.0	12.9	13.2	13.8	14.0	15.1	
	12H	11.7	11.9	12.6	12.8	13.9	12.8	13.1	13.7	13.9	15.0	
8H	4H	11.8	12.0	12.7	12.9	14.0	12.9	13.2	13.8	14.0	15.1	
	6H	11.7	11.9	12.6	12.8	13.9	12.8	13.0	13.7	13.9	15.0	
	8H	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	14.8	
12H	4H	11.7	11.9	12.6	12.8	13.9	12.8	13.1	13.7	13.9	15.0	
	6H	11.6	11.8	12.5	12.7	13.8	12.7	12.9	13.6	13.8	14.9	
	8H	11.5	11.7	12.4	12.6	13.7	12.6	12.8	13.6	13.7	14.8	
Variations with the observer position at spacing:												
S =		1.0H	3.9 / -11.5					3.1 / -9.1				
		1.5H	5.5 / -26.7					5.4 / -27.3				
		2.0H	7.4 / -26.7					7.4 / -27.7				