

Last information update: May 2025

Product configuration: QY08.12+QX50.01

QY08.12: LED module - L 1192 - 78° - up (40%) and down (60%) emission - high output - warm white - integrated DALI dimmable control gear - Aluminium

QX50.01: IN60 MMO - Up and Down Module - Minimal - L= 1192 - 3000K - CRI 90 - White



Product code

QY08.12: LED module - L 1192 - 78° - up (40%) and down (60%) emission - high output - warm white - integrated DALI dimmable control gear - Aluminium **Attention! Code no longer in production**

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 $L \leq 3000 \text{ cd/m}^2 - \alpha > 65^\circ$, 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. Warm white LED (3000K), CRI90.

Installation

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

Colour

Aluminium (12)

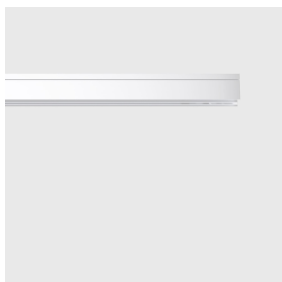
Weight (Kg)

0.93

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

QX50.01: IN60 MMO - Up and Down Module - Minimal - L= 1192 - 3000K - CRI 90 - White **Attention! Code no longer in production**

Technical description

The L profile=1192 mm is made of extruded aluminium. This is the Minimal version for up (3000K and CRI90) 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)

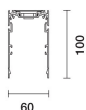
Weight (Kg)

2

Mounting

ceiling recessed|wall surface|ceiling pendant

Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	5421	CRI (minimum):	90
W system:	41	Colour temperature [K]:	3000
lm source:	6950	MacAdam Step:	3
W source:	41	Lamp code:	LED
Luminous efficiency (lm/W, real value):	132.2	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]:	1921	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	78	Control:	DALI-2

<p> $I_{\max}=2544 \text{ cd}$ $C45-225 \quad \gamma=25^\circ$ $nL \ 0.78$ $86-100-100-65-78$ $UGR \ 11.0-12.0$ DIN $B.62$ UTE $0.50A+0.28T$ $F^*1=862$ $F^*1 \cdot F^*2=998$ $F^*1 \cdot F^*2 \cdot F^*3=1000$ CIBSE $LG3 \ L<1500 \text{ cd/m}^2 \text{ at } 65^\circ$ $UGR<16 \mid L<1500 \text{ cd/mq} \text{ @ } 65^\circ$ </p>	Lux				
	h	d1	d2	Em	Emax
$\alpha = 72^\circ$	2	2.9	2.9	453	569
	4	5.8	5.8	113	142
	6	8.7	8.7	50	63
	8	11.6	11.6	28	36

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

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

The graph illustrates the relationship between luminance (cd/m²) and illuminance (lx) for different viewing angles (85°, 75°, 65°, 55°, 45°). The x-axis represents illuminance (lx) on a logarithmic scale from 10² to 10⁴. The y-axis represents luminance (cd/m²) on a linear scale from 45° to 85°. The curves show that luminance decreases as illuminance increases, and the rate of decrease is higher for larger viewing angles. The curves are labeled C0-180 and C90-270, and a dashed line is shown for 85°.

UGR diagram

Corrected UGR values (at 6950 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	
		0.50	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 crosswise					viewed endwise					
2H	2H	11.8	12.4	12.6	13.1	13.9	12.9	13.4	13.7	14.2	15.0	
	3H	11.6	12.1	12.4	12.8	13.7	12.7	13.2	13.5	13.9	14.8	
	4H	11.5	11.9	12.3	12.7	13.6	12.6	13.0	13.4	13.8	14.7	
	6H	11.4	11.8	12.2	12.6	13.5	12.5	12.9	13.3	13.7	14.6	
	8H	11.3	11.7	12.1	12.5	13.5	12.4	12.8	13.2	13.6	14.6	
	12H	11.3	11.6	12.1	12.4	13.4	12.4	12.7	13.2	13.5	14.5	
4H	2H	11.5	12.0	12.3	12.7	13.7	12.6	13.0	13.4	13.8	14.7	
	3H	11.3	11.6	12.1	12.5	13.5	12.4	12.7	13.2	13.5	14.5	
	4H	11.2	11.5	12.0	12.3	13.3	12.2	12.5	13.1	13.4	14.4	
	6H	11.0	11.3	11.9	12.2	13.2	12.1	12.4	13.0	13.2	14.3	
	8H	11.0	11.2	11.8	12.1	13.1	12.0	12.3	12.9	13.1	14.2	
	12H	10.9	11.1	11.8	12.0	13.1	12.0	12.2	12.9	13.1	14.2	
8H	4H	11.0	11.2	11.8	12.1	13.1	12.0	12.3	12.9	13.1	14.2	
	6H	10.8	11.0	11.7	11.9	13.0	11.9	12.1	12.8	13.0	14.1	
	8H	10.7	10.9	11.7	11.8	13.0	11.8	12.0	12.7	12.9	14.0	
	12H	10.7	10.8	11.6	11.7	12.9	11.8	11.9	12.7	12.8	14.0	
12H	4H	10.9	11.1	11.8	12.0	13.1	12.0	12.2	12.9	13.1	14.2	
	6H	10.7	10.9	11.7	11.8	13.0	11.8	12.0	12.7	12.9	14.0	
	8H	10.7	10.8	11.6	11.7	12.9	11.8	11.9	12.7	12.8	14.0	
Variations with the observer position at spacing:												
S =		1.0H	3.9 / -11.5					3.1 / -9.1				
		1.5H	5.5 / -26.8					5.4 / -27.3				
		2.0H	7.4 / -26.7					7.4 / -27.7				