

Last information update: May 2025

#### Product configuration: QY28.12+QX57.01

QY28.12: LED module - L 2384 - 78° - up (40%) and down (60%) emission - low output - warm white - integrated DALI dimmable control gear - Aluminium

QX57.01: IN60 MMO - Up and Down Module - Minimal - L= 2384 - 3000K - CRI 90 - White



#### Product code

QY28.12: LED module - L 2384 - 78° - up (40%) and down (60%) emission - low 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 Low 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)

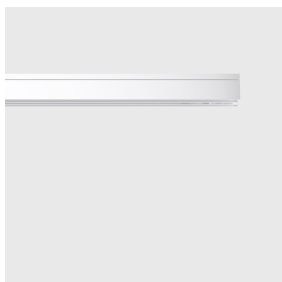
#### Weight (Kg)

1.76

#### 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

QX57.01: IN60 MMO - Up and Down Module - Minimal - L= 2384 - 3000K - CRI 90 - 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 (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)

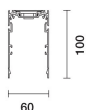
#### Weight (Kg)

4

#### Mounting

ceiling recessed|wall surface|ceiling pendant

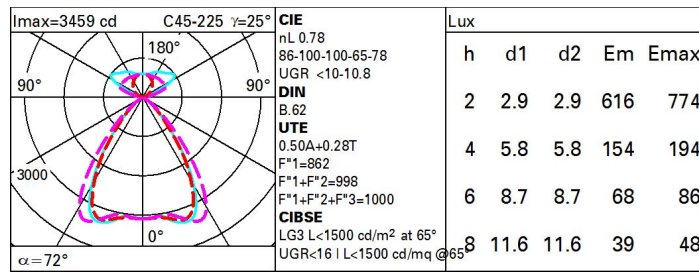
Complies with EN60598-1 and pertinent regulations



#### Technical data

lm system:	7371	CRI (minimum):	90
W system:	54	Colour temperature [K]:	3000
lm source:	9450	MacAdam Step:	3
W source:	54	Lamp code:	LED
Luminous efficiency (lm/W, real value):	136.5	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]:	2612	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	78	Control:	DALI-2

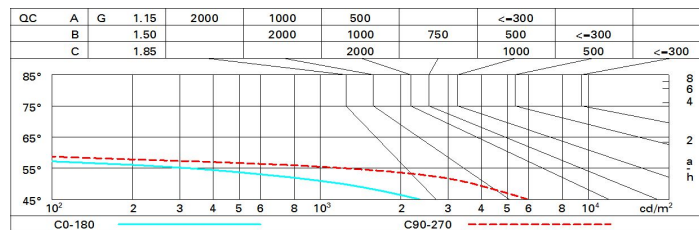
# Polar



# 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 9450 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	10.5	11.0	11.3	11.8	12.6	11.6	12.2	12.4	12.9	13.8	
	3H	10.3	10.8	11.1	11.5	12.4	11.4	11.9	12.2	12.7	13.6	
	4H	10.2	10.6	11.0	11.4	12.3	11.3	11.8	12.1	12.5	13.5	
	6H	10.1	10.4	10.9	11.2	12.2	11.2	11.6	12.0	12.4	13.4	
	8H	10.0	10.4	10.8	11.2	12.2	11.2	11.5	12.0	12.3	13.3	
	12H	9.9	10.3	10.8	11.1	12.1	11.1	11.5	11.9	12.3	13.3	
4H	2H	10.2	10.6	11.0	11.4	12.4	11.3	11.7	12.1	12.5	13.5	
	3H	10.0	10.3	10.8	11.1	12.1	11.1	11.5	11.9	12.3	13.3	
	4H	9.8	10.1	10.7	11.0	12.0	11.0	11.3	11.8	12.1	13.1	
	6H	9.7	10.0	10.6	10.8	11.9	10.8	11.1	11.7	12.0	13.0	
	8H	9.6	9.9	10.5	10.8	11.8	10.8	11.0	11.6	11.9	13.0	
	12H	9.6	9.8	10.5	10.7	11.8	10.7	10.9	11.6	11.8	12.9	
8H	4H	9.6	9.9	10.5	10.8	11.8	10.8	11.0	11.6	11.9	13.0	
	6H	9.5	9.7	10.4	10.6	11.7	10.6	10.8	11.5	11.7	12.8	
	8H	9.4	9.6	10.4	10.5	11.6	10.6	10.7	11.5	11.6	12.8	
	12H	9.4	9.5	10.3	10.4	11.6	10.5	10.6	11.4	11.6	12.7	
12H	4H	9.6	9.8	10.5	10.7	11.8	10.7	10.9	11.6	11.8	12.9	
	6H	9.4	9.6	10.4	10.5	11.6	10.6	10.7	11.5	11.6	12.8	
	8H	9.4	9.5	10.3	10.4	11.6	10.5	10.6	11.4	11.6	12.7	
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				