

Last information update: November 2024

Product configuration: QB77+QC10.12+INCA

QB77: Initial module Minimal Up / Down UGR < 19 / Office / Working L 2397

QC10.12: Up / Down plate - DALI - Working UGR < 19 - LED Warm - L 1196 - 14W 2600lm - 3000K - Aluminium

INCA: Recessed

Product code

QB77: Initial module Minimal Up / Down UGR < 19 / Office / Working L 2397

Technical description

Initial profile in extruded aluminium - Minimal (frameless) version for flush with ceiling mounting available for direct and indirect lighting (luminous flux split into approx. 70% down / 30% up.); microprismatic PMMA lower screen for controlled luminance emission UGR < 19 - 3000 cd/m² (working lighting); screen set up for connecting several lengths by overlapping. Methacrylate diffusing screen for upper emission.

Installation

Installation can be pendant-mounted using suitable accessories to be ordered separately. The initial modules can be used individually for various applications if completed with accessory caps and the required LED module.

Colour

White (01) | Black (04) | Aluminium (12)

Weight (Kg)

4.7

Mounting

ceiling pendant

Wiring

Set up to house the LED modules required by the system.

Notes

Take care with the system configuration. To make continuous lines of lighting, use the intermediate modules. To complete a continuous line correctly there must always be an initial module at the start or end of the composition.

Complies with EN60598-1 and pertinent regulations



Product code

QC10.12: Up / Down plate - DALI - Working UGR < 19 - LED Warm - L 1196 - 14W 2600lm - 3000K - Aluminium

Technical description

LED module set up for housing in initial or intermediate system profiles. High efficiency up + down emission for Working profiles (with a controlled luminance micro-prismatic lower screen). DALI dimmable control gear integrated in the luminaire. Extruded aluminium heat sink; high emission yield flux enhancer. Warm 3000K LED

Installation

Module insertion on profiles facilitated by a quick coupling system.

Colour

Indeterminate (00)

Weight (Kg)

1.6

Wiring

Quick coupling terminal block connection to simplify connections between the subsequent modules. Complete with integrated dimmable digital DALI control gear.

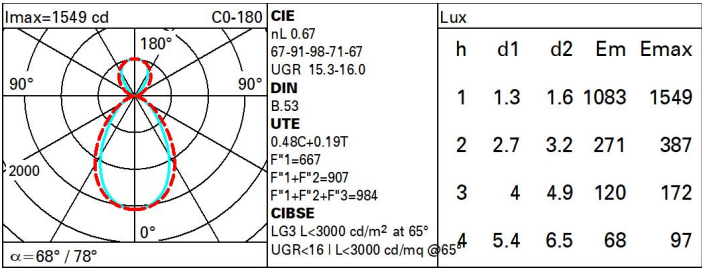
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	3484	CRI:	80
W system:	29.5	Colour temperature [K]:	3000
lm source:	5200	MacAdam Step:	3
W source:	27	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	118.1	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	997	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	67	Number of optical assemblies:	1

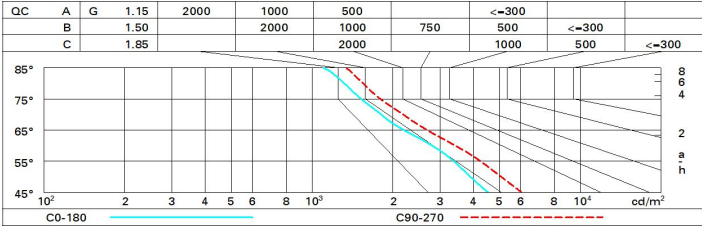
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	44	38	35	32	36	33	31	26	54
1.0	48	43	39	36	40	37	34	29	61
1.5	54	49	46	44	46	43	40	34	72
2.0	57	53	51	48	49	47	44	38	79
2.5	59	56	54	52	52	50	46	40	83
3.0	60	58	56	54	53	52	48	41	86
4.0	62	60	58	57	55	54	50	43	90
5.0	62	61	60	58	56	55	51	44	92

Luminance curve limit



UGR diagram

Corrected UGR values (at 5200 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	13.8	14.5	14.5	15.2	16.0	15.0	15.7	15.7	16.4	17.2
	3H	14.3	15.0	15.1	15.7	16.5	15.1	15.8	15.8	16.5	17.3
	4H	14.5	15.1	15.3	15.8	16.7	15.1	15.7	15.8	16.4	17.3
	6H	14.6	15.2	15.4	15.9	16.8	15.0	15.6	15.8	16.3	17.2
	8H	14.7	15.2	15.4	15.9	16.8	15.0	15.5	15.8	16.3	17.2
	12H	14.7	15.2	15.4	15.9	16.8	15.0	15.4	15.7	16.2	17.1
4H	2H	14.1	14.7	14.8	15.4	16.3	15.7	16.3	16.4	17.0	17.8
	3H	14.8	15.3	15.5	16.0	16.9	15.9	16.4	16.7	17.2	18.1
	4H	15.0	15.5	15.8	16.2	17.2	16.0	16.4	16.8	17.2	18.2
	6H	15.2	15.6	16.0	16.4	17.4	16.0	16.4	16.8	17.2	18.2
	8H	15.3	15.6	16.1	16.4	17.4	16.0	16.3	16.8	17.2	18.1
	12H	15.3	15.6	16.1	16.4	17.4	16.0	16.3	16.8	17.1	18.1
8H	4H	15.1	15.4	15.9	16.2	17.2	16.2	16.6	17.1	17.4	18.4
	6H	15.4	15.7	16.2	16.5	17.5	16.3	16.6	17.2	17.4	18.5
	8H	15.5	15.7	16.3	16.6	17.6	16.4	16.6	17.2	17.4	18.5
	12H	15.6	15.8	16.4	16.6	17.7	16.4	16.6	17.2	17.4	18.5
12H	4H	15.1	15.4	15.9	16.2	17.2	16.3	16.6	17.1	17.4	18.4
	6H	15.4	15.6	16.2	16.5	17.5	16.4	16.6	17.2	17.5	18.5
	8H	15.5	15.7	16.4	16.6	17.6	16.4	16.6	17.3	17.5	18.5
Variations with the observer position at spacing:											
S =		1.0H	0.5 / -0.5		0.3 / -0.5						
		1.5H	0.6 / -1.2		0.8 / -1.2						
		2.0H	1.2 / -1.9		1.8 / -1.8						