

Last information update: November 2024

### Product configuration: QB77+QC04.12+INCA

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

QC04.12: Up / Down plate - ON-OFF - Working UGR < 19 - LED Neutral - L 1196 - 14W 2750lm - 4000K - 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/m<sup>2</sup> (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

QC04.12: Up / Down plate - ON-OFF - Working UGR < 19 - LED Neutral - L 1196 - 14W 2750lm - 4000K - Aluminium **Attention!**

**Code no longer in production**

### 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). Electronic control gear integrated in the luminaire. Extruded aluminium heat sink; high emission yield flux enhancer. Neutral 4000K 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 ON-OFF - non-dimmable control gear.

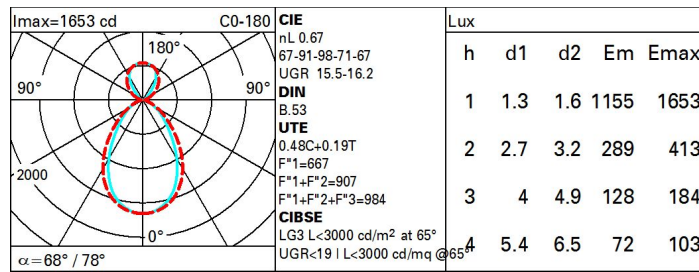
Complies with EN60598-1 and pertinent regulations



### Technical data

Im system:	3719	CRI:	80
W system:	30.8	Colour temperature [K]:	4000
Im source:	5550	MacAdam Step:	3
W source:	27	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	120.7	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	1065	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	67	Number of optical assemblies:	1

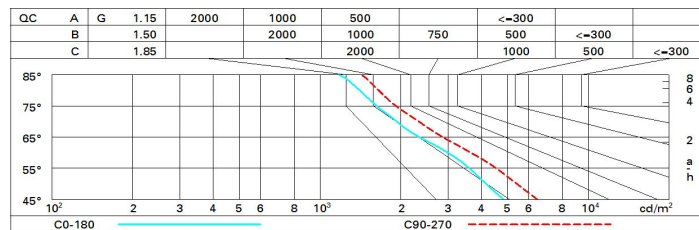
# Polar



# 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 5550 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	14.0	14.7	14.7	15.4	16.2	15.2	15.9	15.9	16.6	17.4	
	3H	14.6	15.2	15.3	15.9	16.8	15.3	16.0	16.0	16.7	17.5	
	4H	14.7	15.3	15.5	16.1	16.9	15.3	15.9	16.1	16.6	17.5	
	6H	14.9	15.4	15.6	16.1	17.0	15.3	15.8	16.0	16.5	17.4	
	8H	14.9	15.4	15.6	16.2	17.0	15.2	15.8	16.0	16.5	17.4	
	12H	14.9	15.4	15.7	16.1	17.0	15.2	15.7	15.9	16.4	17.3	
4H	2H	14.3	14.9	15.1	15.6	16.5	15.9	16.5	16.6	17.2	18.1	
	3H	15.0	15.5	15.8	16.3	17.2	16.2	16.7	16.9	17.4	18.3	
	4H	15.3	15.7	16.0	16.5	17.4	16.2	16.7	17.0	17.4	18.4	
	6H	15.5	15.8	16.3	16.6	17.6	16.2	16.6	17.1	17.4	18.4	
	8H	15.5	15.9	16.3	16.7	17.6	16.2	16.6	17.0	17.4	18.4	
	12H	15.5	15.8	16.4	16.7	17.7	16.2	16.5	17.0	17.3	18.3	
8H	4H	15.3	15.7	16.1	16.5	17.4	16.5	16.8	17.3	17.6	18.6	
	6H	15.6	15.9	16.5	16.7	17.7	16.6	16.8	17.4	17.7	18.7	
	8H	15.7	16.0	16.6	16.8	17.8	16.6	16.8	17.4	17.7	18.7	
	12H	15.8	16.0	16.7	16.9	17.9	16.6	16.8	17.4	17.7	18.7	
12H	4H	15.3	15.6	16.1	16.4	17.4	16.5	16.8	17.3	17.6	18.6	
	6H	15.6	15.8	16.5	16.7	17.7	16.6	16.8	17.5	17.7	18.7	
	8H	15.7	15.9	16.6	16.8	17.9	16.7	16.9	17.5	17.7	18.8	
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							