

Last information update: November 2024

**Product configuration: QC10+QB77.01**

QC10: Up / Down plate - DALI - Working UGR < 19 - LED Warm - L 1196

QB77.01: Initial module - Minimal Up / Down - UGR < 19 / Office / Working - L 2397 - White

**Product code**

QC10: Up / Down plate - DALI - Working UGR < 19 - LED Warm - L 1196

**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



**Product code**

QB77.01: Initial module - Minimal Up / Down - UGR < 19 / Office / Working - L 2397 - White

**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)

**Weight (Kg)**

4.7

**Mounting**

ceiling pendant

**Wiring**

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

**Notes**

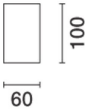
Take care with the system configuration. To make continuous lines of lighting, use the intermediate modules. To complete a continuous line correctly there must always be an initial module at the start or end of the composition.

Complies with EN60598-1 and pertinent regulations

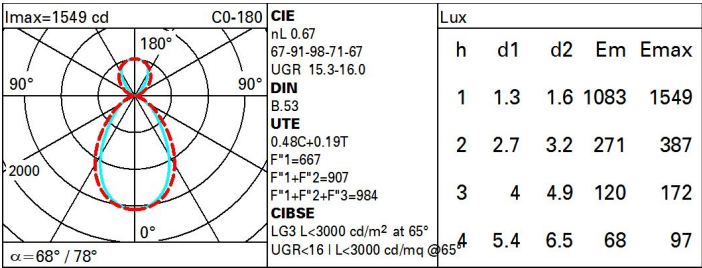


**Technical data**

Im system:	3484	CRI (minimum):	80
W system:	27	Colour temperature [K]:	3000
Im source:	5200	MacAdam Step:	3
W source:	27	Lamp code:	LED
Luminous efficiency (Im/W, real value):	129	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	997	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	67	Control:	DALI-2



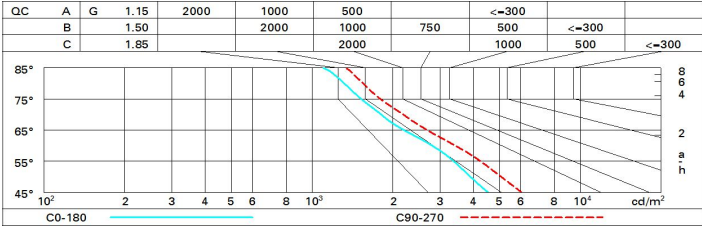
Polar



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	0.30
		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	13.8	14.5	14.5	15.2	16.0	15.0	15.7	15.7	16.4	17.2	17.2
	3H	14.3	15.0	15.1	15.7	16.5	15.1	15.8	15.8	16.5	17.3	17.3
	4H	14.5	15.1	15.3	15.8	16.7	15.1	15.7	15.8	16.4	17.3	17.3
	6H	14.6	15.2	15.4	15.9	16.8	15.0	15.6	15.8	16.3	17.2	17.2
	8H	14.7	15.2	15.4	15.9	16.8	15.0	15.5	15.8	16.3	17.2	17.2
	12H	14.7	15.2	15.4	15.9	16.8	15.0	15.4	15.7	16.2	17.1	17.1
4H	2H	14.1	14.7	14.8	15.4	16.3	15.7	16.3	16.4	17.0	17.8	17.8
	3H	14.8	15.3	15.5	16.0	16.9	15.9	16.4	16.7	17.2	18.1	18.1
	4H	15.0	15.5	15.8	16.2	17.2	16.0	16.4	16.8	17.2	18.2	18.2
	6H	15.2	15.6	16.0	16.4	17.4	16.0	16.4	16.8	17.2	18.2	18.2
	8H	15.3	15.6	16.1	16.4	17.4	16.0	16.3	16.8	17.2	18.1	18.1
	12H	15.3	15.6	16.1	16.4	17.4	16.0	16.3	16.8	17.1	18.1	18.1
8H	4H	15.1	15.4	15.9	16.2	17.2	16.2	16.6	17.1	17.4	18.4	18.4
	6H	15.4	15.7	16.2	16.5	17.5	16.3	16.6	17.2	17.4	18.5	18.5
	8H	15.5	15.7	16.3	16.6	17.6	16.4	16.6	17.2	17.4	18.5	18.5
	12H	15.6	15.8	16.4	16.6	17.7	16.4	16.6	17.2	17.4	18.5	18.5
12H	4H	15.1	15.4	15.9	16.2	17.2	16.3	16.6	17.1	17.4	18.4	18.4
	6H	15.4	15.6	16.2	16.5	17.5	16.4	16.6	17.2	17.5	18.5	18.5
	8H	15.5	15.7	16.4	16.6	17.6	16.4	16.6	17.3	17.5	18.5	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							