Design iGuzzini iGuzzini

Last information update: May 2024

Product configuration: QB87

QB87: Angular LED module - Minimal Down - DALI - UGR < 19 / Office / Working - Warm



Product code

QB87: Angular LED module - Minimal Down - DALI - UGR < 19 / Office / Working - Warm

Technical description

Angular element for Minimal (frameless) flush with ceiling version profiles; including a Warm 3000K LED module. Microprismatic screen for controlled luminance emission UGR < 19 - 3000 cd/m2 (working lighting); screen set up for overlapping connections. Integrated DALI control gear. Pass-through wiring for continuous lines:

Installation

Installation can be recessed, surface, ceiling and pendant-mounted using suitable accessories to be ordered separately.

Colour	Weight (Kg			
White (01) Black (04) Aluminium (12)	4.17			



642

60

Mounting

ceiling recessed|ceiling surface|ceiling pendant

Wiring

The angular profile is supplied with pass-through wiring for continuous lines. Quick coupling terminal blocks to simplify connections between the luminaires. LED module complete with integrated dimmable digital DALI control gear.

Important: the Minimal angular module is only available for Down emission. Take care when configuring the system; to complete a continuous line with an angular profile correctly, two initial modules are required, one for each end of the corner.

8



Technical data





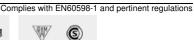












Im system:	1235
W system:	11
Im source:	870
W source:	4.5
Luminous efficiency (lm/W, real value):	112.3
Im in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.)	71

CRI (minimum): 80 Colour temperature [K]: 3000 MacAdam Step: 3

> 50,000h - L90 - B10 (Ta 25°C) Life Time LED 1: Lamp code: LED Number of lamps for optical 1 assembly:

ZVFI Code: LED Number of optical assemblies:

Power factor: See installation instructions 18 A / 250 μs Inrush current:

Maximum number of

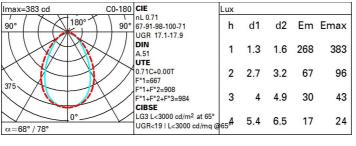
luminaires of this type per B10A: 21 luminaires miniature circuit breaker: B16A: 34 luminaires C10A: 35 luminaires

C16A: 57 luminaires Minimum dimming %:

Overvoltage protection: 2kV Common mode & 1kV Differential mode

DALI-2 Control:

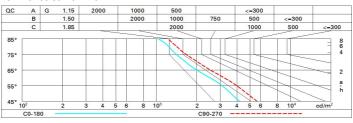
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	53	47	43	40	46	42	42	38	54
1.0	57	52	48	45	51	47	47	43	61
1.5	64	59	56	53	58	55	54	51	72
2.0	67	64	61	59	62	60	59	56	79
2.5	69	66	64	62	65	63	62	59	83
3.0	71	68	66	65	67	65	64	61	86
4.0	72	70	69	67	69	68	66	64	90
5.0	73	72	70	69	70	69	68	65	92

Luminance curve limit



Corre	ected UC	R values	s (at 870	Im bare	lamp lui	mino us f	lux)					
Rifled	ct.:											
ce il/c	av	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	
work pl. Room dim		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
		viewed					viewed					
X	У	crosswise					endwise					
2H	2H	15.3	16.3	15.7	16.6	16.8	16.7	17.6	17.0	17.9	18.	
	ЗН	16.0	16.8	16.3	17.1	17.4	16.8	17.7	17.2	18.0	18.	
	4H	16.2	17.0	16.5	17.3	17.6	16.9	17.7	17.2	18.0	18.	
	бН	16.3	17.1	16.7	17.4	17.7	16.8	17.6	17.2	17.9	18.	
	нв	16.4	17.1	16.7	17.4	17.8	16.8	17.5	17.2	17.9	18.	
	12H	16.4	17.1	16.8	17.4	17.8	16.8	17.5	17.2	17.8	18.	
4H	2H	15.7	16.6	16.1	16.9	17.2	17.4	18.3	17.8	18.6	18.	
	ЗН	16.5	17.2	16.9	17.5	17.9	17.8	18.5	18.2	18.8	19.	
	4H	16.8	17.4	17.2	17.8	18.2	17.9	18.5	18.3	18.9	19.	
	бН	17.0	17.6	17.5	18.0	18.4	17.9	18.4	18.3	18.8	19.	
	HS	17.1	17.6	17.6	18.0	18.5	17.9	18.4	18.4	18.8	19.	
	12H	17.1	17.6	17.6	18.0	18.5	17.9	18.3	18.3	18.8	19.	
нв	4H	16.9	17.4	17.3	17.8	18.2	18.1	18.6	18.6	19.1	19.	
	6H	17.2	17.6	17.7	18.1	18.6	18.3	18.7	18.7	19.1	19.	
	нв	17.4	17.7	17.9	18.2	18.7	18.3	18.7	18.8	19.1	19.	
	12H	17.5	17.8	18.0	18.2	18.8	18.3	18.6	18.8	19.1	19.	
12H	4H	16.9	17.3	17.3	17.8	18.2	18.2	18.6	18.6	19.1	19.	
	6H	17.2	17.6	17.7	18.1	18.6	18.3	18.7	18.8	19.2	19.	
	HS	17.4	17.7	17.9	18.2	18.7	18.4	18.7	18.9	19.2	19.	
Varia	tions wi	th the ob	oserverp	osition	at spacin	ıg:						
S =	1.0H		0	.5 / -0.	5	0.3 / -0.5						
	1.5H	0.6 / -1.3					0.8 / -1.2					