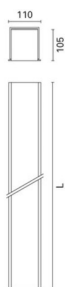


Last information update: November 2024

Product configuration: Q423+QH96.12

Q423: Frame initial moduleDown Office / Working UGR < 19L 3594

QH96.12: Plate - Down - Office / Working UGR < 19 - DALI - Warm LED - L 3588 - 45.5W 5470lm - 3000K - Aluminium

**Product code**

Q423: Frame initial moduleDown Office / Working UGR < 19L 3594

Technical description

Initial profile in extruded aluminium - Frame version with contact frame; micro-prismatic screen for controlled luminance emission UGR < 19 - 3000 cd/m² (working lighting); screen set up for connecting several lengths by overlapping.

Installation

Recessed using the brackets on the profile. The initial modules can be used individually if completed with accessory caps and the required LED module.

Colour

White (01)* | Aluminium (12)*

Weight (Kg)

8.6

* Colours on request

Mounting

ceiling recessed

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.

TPb rated. TPa version available on request, contact iGuzzini for more info

Complies with EN60598-1 and pertinent regulations

**Product code**

QH96.12: Plate - Down - Office / Working UGR < 19 - DALI - Warm LED - L 3588 - 45.5W 5470lm - 3000K - Aluminium

Technical description

LED module set up for housing in initial or intermediate system profiles, ideal for particularly long light lines. High efficiency down emission for Working profiles (with a controlled luminance micro-prismatic screen). DALI dimmable electronic 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)

4.1

Wiring

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

Notes

Important: the triple length intermediate luminous module can be used for both initial profiles - L 3594 - for stand-alone applications, and intermediate profiles - L 3594 - for continuous line applications.

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	5436	Colour temperature [K]:	3000
W system:	45.3	MacAdam Step:	3
Im source:	7550	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	41	Voltage [Vin]:	230
Luminous efficiency (Im/W, 120 real value):		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]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	72	Number of optical assemblies:	1
CRI (minimum):	80		

	I_{max} =3396 cd C0-180 CIE nL 0.72 66-90-98-100-72 UGR 17.8-18.0 DIN A.51 UTE 0.72C+0.00T F*1=662 F*1+F*2=902 F*1+F*2+F*3=980 CIBSE LG3 Lc<3000 cd/m ² at 65° UGR<19 Lc3000 cd/mq @65°	Lux <table border="1"> <thead> <tr> <th>h</th> <th>d1</th> <th>d2</th> <th>Em</th> <th>Emax</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>2.7</td> <td>3.2</td> <td>590</td> <td>849</td> </tr> <tr> <td>4</td> <td>5.4</td> <td>6.5</td> <td>148</td> <td>212</td> </tr> <tr> <td>6</td> <td>8.1</td> <td>9.7</td> <td>66</td> <td>94</td> </tr> <tr> <td>8</td> <td>10.8</td> <td>13</td> <td>37</td> <td>53</td> </tr> </tbody> </table>	h	d1	d2	Em	Emax	2	2.7	3.2	590	849	4	5.4	6.5	148	212	6	8.1	9.7	66	94	8	10.8	13	37	53
	h	d1	d2	Em	Emax																						
	2	2.7	3.2	590	849																						
	4	5.4	6.5	148	212																						
	6	8.1	9.7	66	94																						
8	10.8	13	37	53																							
α =68° / 78°																											

R	77	75	73	71	55	53	33	00	DRR
K0.8	54	47	43	40	47	43	42	38	53
1.0	58	52	48	45	51	48	47	43	60
1.5	64	60	56	53	59	56	55	51	71
2.0	68	64	61	59	63	61	60	56	78
2.5	70	67	65	63	66	64	63	60	83
3.0	71	69	67	65	68	66	65	62	86
4.0	73	71	70	68	70	68	67	64	89
5.0	74	72	71	70	71	70	69	66	91

QC

A	G	1.15	2000	1000	500	<-300		
B	1.50		2000	1000	750	500	<-300	
C	1.85			2000		1000	500	<-300

85°
75°
65°
55°
45°

8
6
4
2
α
h

10² 2 3 4 5 6 8 10⁵

C0-180 C90-270

cd/m²

UGR diagram

Corrected UGR values (at 7550 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	15.5	16.5	15.8	16.7	17.0	16.6	17.5	16.9	17.8	18.1	
	3H	16.2	17.1	16.5	17.4	17.7	16.8	17.6	17.1	17.9	18.2	
	4H	16.5	17.4	16.9	17.7	18.0	16.8	17.6	17.2	17.9	18.3	
	6H	16.8	17.6	17.2	17.9	18.2	16.8	17.5	17.2	17.9	18.2	
	8H	16.9	17.7	17.3	18.0	18.3	16.8	17.5	17.1	17.8	18.2	
	12H	17.0	17.7	17.4	18.0	18.4	16.7	17.4	17.1	17.8	18.1	
4H	2H	15.9	16.7	16.2	17.0	17.3	17.4	18.3	17.8	18.6	18.9	
	3H	16.8	17.5	17.2	17.8	18.2	17.8	18.5	18.2	18.9	19.2	
	4H	17.2	17.8	17.6	18.2	18.6	17.9	18.6	18.3	18.9	19.3	
	6H	17.6	18.1	18.0	18.5	19.0	18.0	18.6	18.5	19.0	19.4	
	8H	17.8	18.3	18.2	18.7	19.1	18.0	18.5	18.5	19.0	19.4	
	12H	17.9	18.3	18.3	18.7	19.2	18.0	18.5	18.5	18.9	19.4	
8H	4H	17.4	17.9	17.8	18.3	18.7	18.3	18.8	18.8	19.2	19.7	
	6H	17.9	18.3	18.4	18.8	19.2	18.5	18.9	19.0	19.4	19.9	
	8H	18.1	18.5	18.6	18.9	19.4	18.6	19.0	19.1	19.5	20.0	
	12H	18.3	18.6	18.8	19.1	19.6	18.7	19.0	19.2	19.5	20.0	
12H	4H	17.4	17.8	17.8	18.2	18.7	18.4	18.8	18.9	19.3	19.7	
	6H	17.9	18.3	18.4	18.8	19.3	18.6	19.0	19.1	19.5	20.0	
	8H	18.2	18.5	18.7	19.0	19.5	18.8	19.1	19.3	19.6	20.1	
Variations with the observer position at spacing:												
S =		1.0H	0.4 / -0.5		0.3 / -0.4							
		1.5H	0.5 / -1.0		0.7 / -1.2							
		2.0H	1.1 / -1.4		1.6 / -1.6							