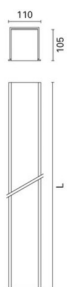


Last information update: November 2024

### Product configuration: Q423+QH93.12

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

QH93.12: Plate - Down - Office / Working UGR < 19 - ON-OFF - Neutral LED - L 3588 - 45.5W 5830lm - 4000K - 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/m<sup>2</sup> (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

QH93.12: Plate - Down - Office / Working UGR < 19 - ON-OFF - Neutral LED - L 3588 - 45.5W 5830lm - 4000K - Aluminium

**Attention! Code no longer in production**

#### 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). 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) | White (01)

#### Weight (Kg)

4.1

#### Wiring

Quick coupling terminal block connection to simplify connections between the subsequent modules. Complete with integrated ON-OFF - non-dimmable 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:	5796	Colour temperature [K]:	4000
W system:	45.2	MacAdam Step:	3
Im source:	8050	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	41	Voltage [Vin]:	230
Luminous efficiency (Im/W, real value):	128.2	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		

<p>Imax=3621 cd C0-180 90° 180° 90° 4000 0° α=68° / 78°</p>	<b>CIE</b> nL 0.72 66-90-98-100-72 UGR 18.0-18.3		<b>Lux</b>				
	<b>DIN</b> A.51		h	d1	d2	Em	Emax
	<b>UTE</b> 0.72C+0.00T F*1=662 F*1+F*2=902 F*1+F*2+F*3=980		2	2.7	3.2	629	905
	<b>CIBSE</b> LG3 L<3000 cd/m² at 65° UGR<19   L<3000 cd/mq @ 65°		4	5.4	6.5	157	226
			6	8.1	9.7	70	101
			8	10.8	13	39	57

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

# UGR diagram

Corrected UGR values (at 8050 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	15.7	16.7	16.0	16.9	17.2	16.8	17.8	17.1	18.0	18.3
	3H	16.4	17.3	16.8	17.6	17.9	17.0	17.9	17.3	18.2	18.5
	4H	16.8	17.6	17.1	17.9	18.2	17.0	17.9	17.4	18.2	18.5
	6H	17.0	17.8	17.4	18.1	18.5	17.0	17.8	17.4	18.1	18.4
	8H	17.2	17.9	17.5	18.2	18.6	17.0	17.7	17.4	18.1	18.4
	12H	17.2	17.9	17.6	18.3	18.6	17.0	17.7	17.3	18.0	18.4
4H	2H	16.1	16.9	16.5	17.2	17.5	17.7	18.5	18.0	18.8	19.1
	3H	17.0	17.7	17.4	18.0	18.4	18.0	18.7	18.4	19.1	19.4
	4H	17.4	18.0	17.8	18.4	18.8	18.2	18.8	18.6	19.2	19.5
	6H	17.8	18.4	18.3	18.8	19.2	18.2	18.8	18.7	19.2	19.6
	8H	18.0	18.5	18.4	18.9	19.3	18.3	18.8	18.7	19.2	19.6
	12H	18.1	18.5	18.5	19.0	19.4	18.3	18.7	18.7	19.1	19.6
8H	4H	17.6	18.1	18.0	18.5	18.9	18.6	19.1	19.0	19.5	19.9
	6H	18.1	18.5	18.6	19.0	19.5	18.8	19.2	19.2	19.6	20.1
	8H	18.3	18.7	18.8	19.2	19.7	18.8	19.2	19.3	19.7	20.2
	12H	18.5	18.8	19.0	19.3	19.8	18.9	19.2	19.4	19.7	20.2
12H	4H	17.6	18.0	18.0	18.5	18.9	18.6	19.1	19.1	19.5	20.0
	6H	18.2	18.5	18.6	19.0	19.5	18.9	19.2	19.4	19.7	20.2
	8H	18.4	18.7	18.9	19.2	19.7	19.0	19.3	19.5	19.8	20.3
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						