

Last information update: November 2024

Product configuration: Q430+Q451.12

Q430: Minimal Continuous Line Module Down Office / Working UGR < 19L 898

Q451.12: Plate - Down Office / Working UGR < 19 - Warm LED - L 896 - 12.5W 1368lm - 3000K - Aluminium

**Product code**

Q430: Minimal Continuous Line Module Down Office / Working UGR < 19L 898

Technical description

Minimal (frameless) version extruded aluminium intermediate profile for flush with ceiling mounting; this allows continuous lines to be created with other intermediate profiles and an initial profile (required). Microprismatic screen for controlled luminance emission UGR < 19 - 3000 cd/m2 (working lighting); screen set up for connecting several lengths by overlapping.

Installation

Installation can be recessed, surface, ceiling and pendant-mounted using suitable accessories to be ordered separately; mechanical systems for connecting modules included in the package.

Colour

White (01) | Aluminium (12)*

Weight (Kg)

2

* Colours on request

Mounting

ceiling recessed|wall surface|ceiling surface|ceiling pendant

Wiring

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

Notes

Take care with the system configuration. 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**

Q451.12: Plate - Down Office / Working UGR < 19 - Warm LED - L 896 - 12.5W 1368lm - 3000K - Aluminium **Attention! Code no longer in production**

Technical description

LED module set up for housing in initial or intermediate system profiles with screen for controlled luminance - down emission. Electronic control gear integrated in the luminaire. Extruded aluminium heat sink; high emission yield flux enhancer. Warm LED.

Installation

Module insertion on profiles facilitated by a quick coupling system.

Colour

Indeterminate (00) | White (01)

Weight (Kg)

1.2

Wiring

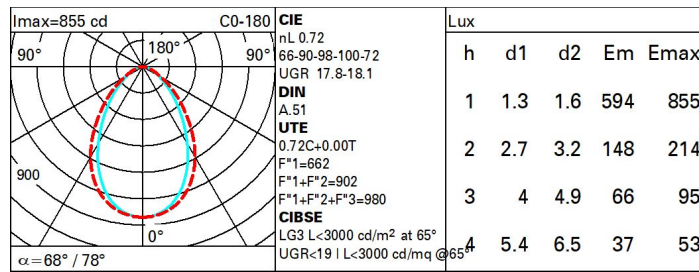
Quick coupling terminal block connection to simplify connections between the luminaires. LED module complete with integrated control gear.

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	1368	Colour temperature [K]:	3000
W system:	12.5	MacAdam Step:	3
lm source:	1900	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	10	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	109.4	Lamp code:	LED
lm 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		

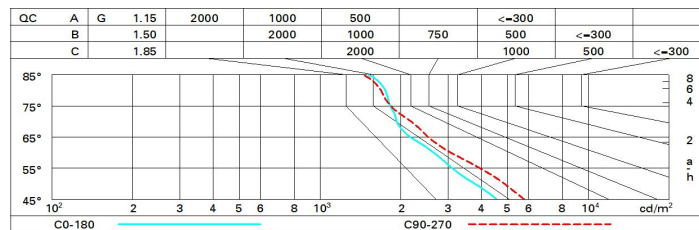
Polar



Utilisation factors

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

Luminance curve limit



UGR diagram

Corrected UGR values (at 1900 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	15.5	16.5	15.8	16.7	17.0	16.6	17.6	16.9	17.8	18.1
	3H	16.2	17.1	16.6	17.4	17.7	16.8	17.7	17.1	18.0	18.3
	4H	16.6	17.4	16.9	17.7	18.0	16.8	17.7	17.2	18.0	18.3
	6H	16.9	17.6	17.2	17.9	18.3	16.8	17.6	17.2	17.9	18.2
	8H	17.0	17.7	17.3	18.0	18.4	16.8	17.5	17.2	17.9	18.2
	12H	17.0	17.7	17.4	18.1	18.4	16.8	17.5	17.2	17.8	18.2
4H	2H	15.9	16.7	16.3	17.0	17.4	17.5	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	18.0	18.6	18.4	19.0	19.4
	6H	17.6	18.2	18.1	18.6	19.0	18.1	18.6	18.5	19.0	19.4
	8H	17.8	18.3	18.2	18.7	19.1	18.1	18.6	18.5	19.0	19.4
	12H	17.9	18.3	18.3	18.8	19.2	18.1	18.5	18.5	18.9	19.4
8H	4H	17.4	17.9	17.8	18.3	18.7	18.4	18.9	18.8	19.3	19.7
	6H	17.9	18.3	18.4	18.8	19.3	18.6	19.0	19.0	19.4	19.9
	8H	18.2	18.5	18.6	19.0	19.5	18.7	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	18.3	18.7	18.4	18.9	18.9	19.3	19.8
	6H	18.0	18.3	18.5	18.8	19.3	18.7	19.0	19.2	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						