

Last information update: November 2024

### Product configuration: Q430+Q445.12

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

Q445.12: Plate - Down Office / Working UGR < 19 - Neutral LED - L 896 - 12.5W 1440lm - 4000K - 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/m<sup>2</sup> (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

Q445.12: Plate - Down Office / Working UGR < 19 - Neutral LED - L 896 - 12.5W 1440lm - 4000K - 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. Neutral 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.

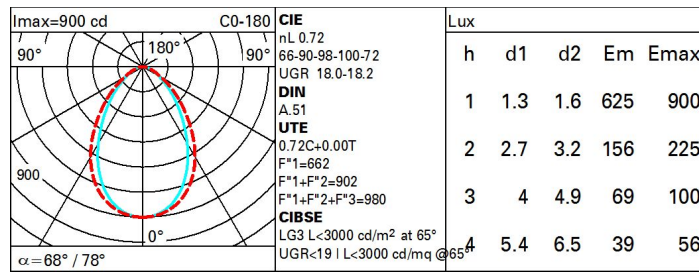
Complies with EN60598-1 and pertinent regulations



#### Technical data

lm system:	1440	Colour temperature [K]:	4000
W system:	12.5	MacAdam Step:	3
lm source:	2000	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	10	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	115.2	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		

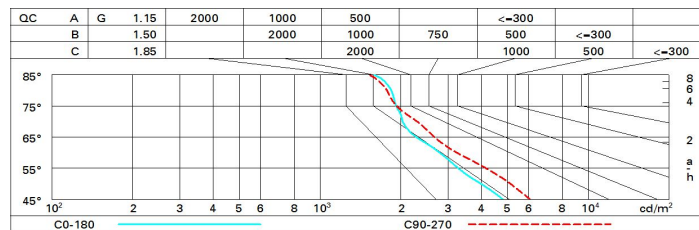
# Polar



# 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 2000 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	15.7	16.7	16.0	16.9	17.2	16.8	17.8	17.1	18.0	18.3	
	3H	16.4	17.3	16.7	17.6	17.9	17.0	17.9	17.3	18.1	18.4	
	4H	16.7	17.6	17.1	17.9	18.2	17.0	17.8	17.4	18.1	18.5	
	6H	17.0	17.8	17.4	18.1	18.5	17.0	17.8	17.4	18.1	18.4	
	8H	17.1	17.9	17.5	18.2	18.6	17.0	17.7	17.4	18.0	18.4	
	12H	17.2	17.9	17.6	18.2	18.6	16.9	17.6	17.3	18.0	18.4	
4H	2H	16.1	16.9	16.4	17.2	17.5	17.6	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	18.1	18.8	18.6	19.1	19.5	
	6H	17.8	18.4	18.2	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	18.2	18.7	18.7	19.2	19.6	
	12H	18.1	18.5	18.5	18.9	19.4	18.2	18.7	18.7	19.1	19.6	
8H	4H	17.6	18.1	18.0	18.5	18.9	18.5	19.0	19.0	19.5	19.9	
	6H	18.1	18.5	18.6	19.0	19.4	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	18.4	18.9	18.6	19.1	19.1	19.5	20.0	
	6H	18.1	18.5	18.6	19.0	19.5	18.8	19.2	19.3	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							