

Last information update: November 2024

Product configuration: Q435+QH99.12

Q435: Minimal continuous line moduleUp/Down Office / Working UGR < 19L 3594

QH99.12: Plate - Up / Down - Office / Working UGR < 19 - ON-OFF - Warm LED - L 3588 - 69.7W 7571lm - 3000K - Aluminium



Product code

Q435: Minimal continuous line moduleUp/Down Office / Working UGR < 19L 3594

Technical description

Extruded aluminium intermediate profile - Minimal (frameless) version for flush with ceiling mounting and up + down emission; this allows continuous lines to be created with other intermediate profiles and an initial profile (required). Microprismatic lower screen for controlled luminance emission UGR < 19 - 3000 cd/m2 (working lighting); screen set up for connecting several lengths by overlapping. Methacrylate diffusing screen for upper emission. Light flow split into approx. 70% down / 30% up.

Installation

Installation can be 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)

8.45

* Colours on request

Mounting

wall 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.

Complies with EN60598-1 and pertinent regulations



Product code

QH99.12: Plate - Up / Down - Office / Working UGR < 19 - ON-OFF - Warm LED - L 3588 - 69.7W 7571lm - 3000K - 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 up + down emission for Working profiles (with a controlled luminance micro-prismatic lower screen). 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) | White (01)

Weight (Kg)

4.9

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.

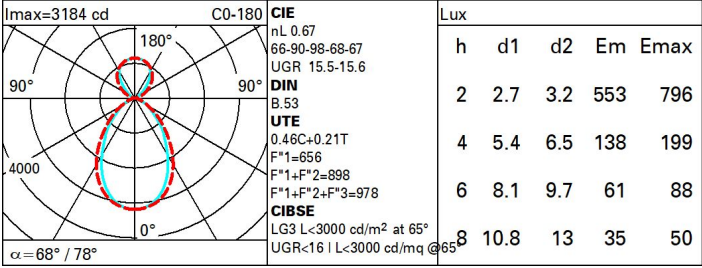
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	7571	Colour temperature [K]:	3000
W system:	69.7	MacAdam Step:	3
lm source:	11300	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	61	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	108.6	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]:	2402	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	67	Number of optical assemblies:	1
CRI (minimum):	80		

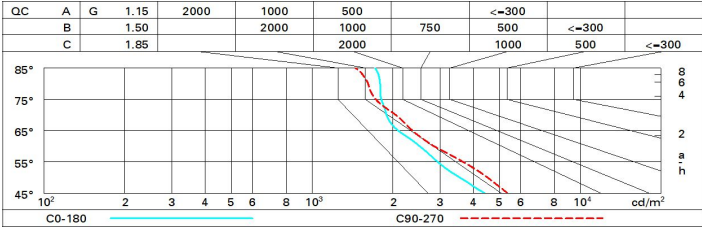
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	43	38	34	31	35	31	29	24	53
1.0	47	42	38	35	39	35	33	27	60
1.5	53	48	45	42	44	42	39	32	71
2.0	56	52	50	47	48	46	42	36	78
2.5	58	55	53	51	50	48	45	38	82
3.0	59	57	55	53	52	50	46	39	86
4.0	61	59	57	56	54	52	48	41	89
5.0	62	60	59	57	55	54	49	42	91

Luminance curve limit



UGR diagram

Corrected UGR values (at 11300 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	13.3	14.0	14.0	14.7	15.5	14.3	15.0	15.0	15.7	16.6
	3H	14.0	14.6	14.7	15.3	16.2	14.5	15.1	15.2	15.8	16.7
	4H	14.3	14.9	15.1	15.6	16.5	14.5	15.0	15.2	15.8	16.7
	6H	14.6	15.1	15.4	15.9	16.8	14.4	14.9	15.2	15.7	16.7
	8H	14.7	15.2	15.5	16.0	16.9	14.4	14.9	15.2	15.7	16.6
	12H	14.8	15.3	15.6	16.0	17.0	14.3	14.8	15.1	15.6	16.6
4H	2H	13.6	14.2	14.4	14.9	15.8	15.1	15.7	15.9	16.5	17.4
	3H	14.4	14.9	15.2	15.7	16.7	15.4	15.9	16.2	16.7	17.7
	4H	14.9	15.3	15.7	16.1	17.1	15.5	16.0	16.3	16.8	17.7
	6H	15.3	15.7	16.1	16.5	17.5	15.6	16.0	16.4	16.8	17.8
	8H	15.5	15.8	16.3	16.6	17.7	15.6	15.9	16.4	16.8	17.8
	12H	15.6	15.9	16.4	16.7	17.8	15.6	15.9	16.4	16.7	17.8
8H	4H	15.0	15.3	15.8	16.2	17.2	15.9	16.2	16.7	17.1	18.1
	6H	15.6	15.8	16.4	16.7	17.8	16.1	16.4	16.9	17.2	18.3
	8H	15.8	16.0	16.7	16.9	18.0	16.2	16.4	17.0	17.3	18.4
	12H	16.0	16.2	16.9	17.1	18.2	16.2	16.4	17.1	17.3	18.4
12H	4H	15.0	15.3	15.8	16.1	17.2	15.9	16.2	16.8	17.1	18.1
	6H	15.6	15.8	16.5	16.7	17.8	16.2	16.4	17.0	17.3	18.4
	8H	15.9	16.1	16.8	17.0	18.1	16.3	16.5	17.2	17.4	18.5
Variations with the observer position at spacing:											
S =		1.0H	0.3 / -0.5		0.3 / -0.4						
		1.5H	0.5 / -0.9		0.6 / -1.1						
		2.0H	1.2 / -1.3		1.5 / -1.5						