

Last information update: November 2024

**Product configuration: Q434+QH98.12**

Q434: Minimal initial moduleUp/Down Office / Working UGR < 19L 3594

QH98.12: Plate - Up / Down - Office / Working UGR < 19 - DALI - Neutral LED - L 3588 - 68.5W 8115lm - 4000K - Aluminium

**Product code**

Q434: Minimal initial moduleUp/Down Office / Working UGR < 19L 3594

**Technical description**

Initial profile in extruded aluminium - Minimal (frameless) version for flush with ceiling mounting and up + down emission; micro-prismatic 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. The initial modules can be used individually for various applications if completed with accessory caps and the required LED module.

**Colour**

White (01)\* | Aluminium (12)\*

**Weight (Kg)**

8.5

\* 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 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.

Complies with EN60598-1 and pertinent regulations



IP20

**Product code**

QH98.12: Plate - Up / Down - Office / Working UGR < 19 - DALI - Neutral LED - L 3588 - 68.5W 8115lm - 4000K - Aluminium

**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). DALI dimmable 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)

**Weight (Kg)**

4.9

**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

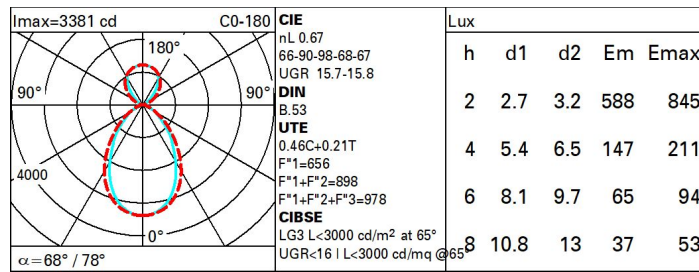


IP20

**Technical data**

Im system:	8040	Colour temperature [K]:	4000
W system:	68.3	MacAdam Step:	3
Im source:	12000	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	61	Voltage [Vin]:	230
Luminous efficiency (Im/W, real value):	117.7	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]:	2550	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	67	Number of optical assemblies:	1
CRI (minimum):	80		

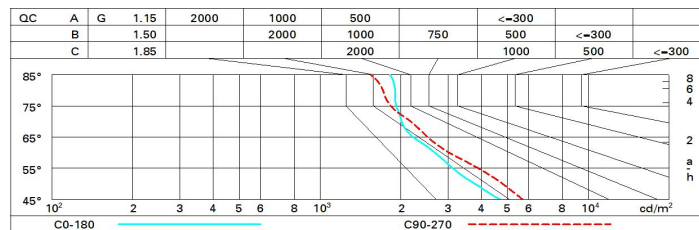
# Polar



# 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 12000 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	13.5	14.2	14.2	14.9	15.8	14.5	15.2	15.2	15.9	16.8	16.8
	3H	14.2	14.8	14.9	15.5	16.4	14.7	15.3	15.4	16.0	16.9	16.9
	4H	14.5	15.1	15.3	15.8	16.8	14.7	15.3	15.4	16.0	16.9	16.9
	6H	14.8	15.3	15.6	16.1	17.0	14.6	15.2	15.4	15.9	16.9	16.9
	8H	14.9	15.4	15.7	16.2	17.2	14.6	15.1	15.4	15.9	16.8	16.8
	12H	15.0	15.5	15.8	16.3	17.2	14.5	15.0	15.3	15.8	16.8	16.8
4H	2H	13.8	14.4	14.6	15.1	16.1	15.3	15.9	16.1	16.7	17.6	17.6
	3H	14.6	15.1	15.4	15.9	16.9	15.6	16.1	16.4	16.9	17.9	17.9
	4H	15.1	15.5	15.9	16.3	17.3	15.7	16.2	16.5	17.0	18.0	18.0
	6H	15.5	15.9	16.3	16.7	17.7	15.8	16.2	16.6	17.0	18.0	18.0
	8H	15.7	16.0	16.5	16.8	17.9	15.8	16.1	16.6	17.0	18.0	18.0
	12H	15.8	16.1	16.6	16.9	18.0	15.8	16.1	16.6	16.9	18.0	18.0
8H	4H	15.2	15.5	16.0	16.4	17.4	16.1	16.4	16.9	17.3	18.3	18.3
	6H	15.8	16.0	16.6	16.9	18.0	16.3	16.6	17.2	17.4	18.5	18.5
	8H	16.0	16.2	16.9	17.1	18.2	16.4	16.6	17.2	17.5	18.6	18.6
	12H	16.2	16.4	17.1	17.3	18.4	16.4	16.6	17.3	17.5	18.6	18.6
12H	4H	15.2	15.5	16.0	16.3	17.4	16.1	16.5	17.0	17.3	18.4	18.4
	6H	15.8	16.0	16.7	16.9	18.0	16.4	16.6	17.3	17.5	18.6	18.6
	8H	16.1	16.3	17.0	17.2	18.3	16.5	16.7	17.4	17.6	18.7	18.7
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							