

Last information update: June 2018

**Up / Down LED plate - DALI - Working UGR < 19 - Neutral - L 3588****Product code**

QC07

Technical description

LED module set up for housing in 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 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)

4.8

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**Product configuration: QC07****Product characteristics**

Total lighting output [Lm]: 5260
Total power [W]: 45.4
Luminous efficacy [Lm/W]: 115.8
Life Time: > 50,000h - L90 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 1506
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 67
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 40
Nominal luminous [Lm]: 7850
Lamp maximum intensity [cd]: /
Beam angle [°]: /

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 5.4
Colour temperature [K]: 4000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 3

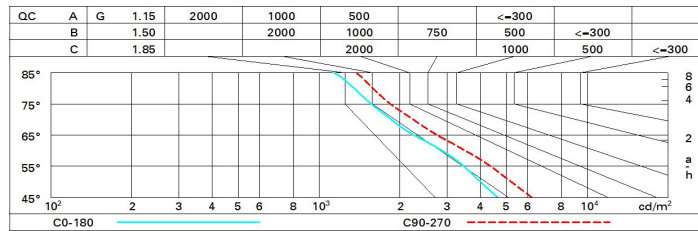
Polar

Imax=2338 cd C0-180 90° 3000 180° 90° 0° α=68° / 78°	CIE nL 0.67 67-91-98-71-67 UGR 15.4-16.1 DIN B.53 UTE 0.48C+0.19T F*1=667 F*1+F*2=907 F*1+F*2+F*3=984 CIBSE LG3 L<3000 cd/m² at 65° UGR<19 L<3000 cd/mq @65°	Lux				
		h	d1	d2	Em	Emax
		2	2.7	3.2	409	584
		4	5.4	6.5	102	146
		6	8.1	9.7	45	65
		8	10.8	13	26	37

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	44	38	35	32	36	33	31	26	54
1.0	48	43	39	36	40	37	34	29	61
1.5	54	49	46	44	46	43	40	34	72
2.0	57	53	51	48	49	47	44	38	79
2.5	59	56	54	52	52	50	46	40	83
3.0	60	58	56	54	53	52	48	41	86
4.0	62	60	58	57	55	54	50	43	90
5.0	62	61	60	58	56	55	51	44	92

Luminance curve limit



UGR diagram

Corrected UGR values (at 7850 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling	cav	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		viewed crosswise					viewed endwise				
x	y										
2H	2H	13.9	14.6	14.6	15.3	16.1	15.1	15.8	15.7	16.5	17.3
	3H	14.4	15.1	15.1	15.8	16.6	15.2	15.8	15.9	16.5	17.4
	4H	14.6	15.2	15.3	15.9	16.8	15.2	15.8	15.9	16.5	17.4
	6H	14.7	15.3	15.5	16.0	16.9	15.1	15.7	15.9	16.4	17.3
	8H	14.8	15.3	15.5	16.0	16.9	15.1	15.6	15.8	16.4	17.3
	12H	14.8	15.3	15.5	16.0	16.9	15.0	15.5	15.8	16.3	17.2
4H	2H	14.2	14.8	14.9	15.5	16.4	15.8	16.4	16.5	17.1	17.9
	3H	14.9	15.4	15.6	16.1	17.0	16.0	16.5	16.8	17.3	18.2
	4H	15.1	15.6	15.9	16.3	17.3	16.1	16.5	16.9	17.3	18.2
	6H	15.3	15.7	16.1	16.5	17.5	16.1	16.5	16.9	17.3	18.2
	8H	15.4	15.7	16.2	16.5	17.5	16.1	16.4	16.9	17.2	18.2
	12H	15.4	15.7	16.2	16.5	17.5	16.0	16.4	16.9	17.2	18.2
8H	4H	15.2	15.5	16.0	16.3	17.3	16.3	16.7	17.1	17.5	18.5
	6H	15.5	15.8	16.3	16.6	17.6	16.4	16.7	17.3	17.5	18.5
	8H	15.6	15.8	16.4	16.7	17.7	16.4	16.7	17.3	17.5	18.6
	12H	15.6	15.9	16.5	16.7	17.8	16.4	16.7	17.3	17.5	18.6
12H	4H	15.1	15.5	16.0	16.3	17.3	16.3	16.7	17.2	17.5	18.5
	6H	15.5	15.7	16.3	16.6	17.6	16.5	16.7	17.3	17.6	18.6
	8H	15.6	15.8	16.5	16.7	17.7	16.5	16.7	17.4	17.6	18.6
Variations with the observer position at spacing:											
S =	1.0H	0.5 / -0.5					0.3 / -0.5				
	1.5H	0.6 / -1.2					0.8 / -1.2				
	2.0H	1.2 / -1.9					1.8 / -1.8				