

**Product configuration: Q453+R421.01**

R421.01: Minimal initial module - Down Office / Working UGR < 19 - L 612 - TP(a) - White



Q453: PlateDown Office / Working UGR < 19Warm LEDDALIL 598

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

Module insertion on profiles facilitated by a quick coupling system.

**Weight (Kg)**  
0.81

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

Complies with EN60598-1 and pertinent regulations



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**Technical description**  
Initial profile in extruded aluminium - Minimal (frameless) version for flush with ceiling mounting; micro-prismatic screen for controlled luminance emission UGR < 19 - 3000 cd/m<sup>2</sup> (working lighting) in compliance with the TP(a) standard; screen set up for connecting several lengths by overlapping.

Installation can be recessed, surface, ceiling and 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.

**Weight (Kg)**  
1.9

\* Colours on request

ceiling recessed|wall surface|ceiling surface|ceiling pendant

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

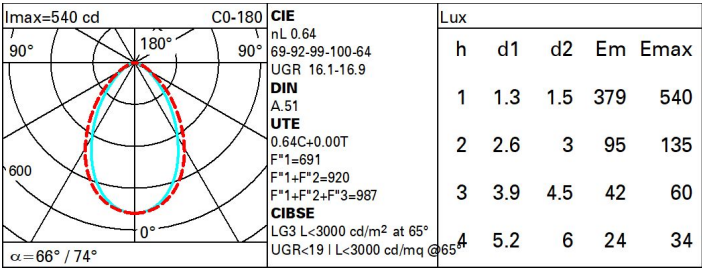
Take care with the system configuration. To make continuous lines of lighting, use the intermediate modules. To complete a continuous line correctly there must always be an initial module at the start or end of the composition.

Complies with EN60598-1 and pertinent regulations



Im system:	800	Colour temperature [K]:	3000
W system:	8.4	MacAdam Step:	3
Im source:	1250	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	6.8	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	95.2	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]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	64	Number of optical assemblies:	1
CRI (minimum):	80	Control:	DALI-2

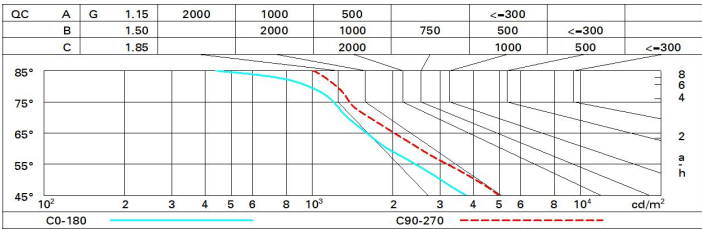
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	49	43	40	37	43	39	39	35	55
1.0	52	48	44	41	47	44	43	40	62
1.5	58	54	51	49	53	50	50	47	73
2.0	61	58	56	54	57	55	54	51	80
2.5	63	60	58	57	59	57	57	54	84
3.0	64	62	60	59	61	59	58	56	87
4.0	65	64	62	61	62	61	60	58	91
5.0	66	65	64	63	64	63	61	59	92

Luminance curve limit



# UGR diagram

Corrected UGR values (at 1250 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	14.5	15.5	14.8	15.7	16.0	15.8	16.7	16.1	17.0	17.2
	3H	15.1	15.9	15.4	16.2	16.5	15.9	16.8	16.3	17.0	17.3
	4H	15.3	16.1	15.6	16.4	16.7	15.9	16.7	16.3	17.0	17.3
	6H	15.4	16.1	15.8	16.5	16.8	15.9	16.6	16.3	16.9	17.3
	8H	15.4	16.1	15.8	16.5	16.8	15.9	16.6	16.2	16.9	17.2
	12H	15.4	16.1	15.8	16.4	16.8	15.8	16.5	16.2	16.8	17.2
4H	2H	14.9	15.6	15.2	15.9	16.3	16.5	17.3	16.8	17.6	17.9
	3H	15.6	16.2	15.9	16.6	16.9	16.8	17.4	17.1	17.8	18.1
	4H	15.8	16.4	16.2	16.8	17.2	16.8	17.4	17.2	17.8	18.2
	6H	16.0	16.5	16.5	17.0	17.4	16.9	17.4	17.3	17.8	18.2
	8H	16.1	16.5	16.5	17.0	17.4	16.9	17.3	17.3	17.8	18.2
	12H	16.1	16.5	16.5	16.9	17.4	16.8	17.3	17.3	17.7	18.2
8H	4H	15.9	16.4	16.4	16.8	17.3	17.1	17.6	17.6	18.0	18.5
	6H	16.2	16.6	16.7	17.0	17.5	17.3	17.6	17.7	18.1	18.6
	8H	16.3	16.6	16.8	17.1	17.6	17.3	17.6	17.8	18.1	18.6
	12H	16.3	16.6	16.8	17.1	17.6	17.3	17.6	17.8	18.1	18.6
12H	4H	15.9	16.3	16.4	16.8	17.2	17.2	17.6	17.6	18.0	18.5
	6H	16.2	16.6	16.7	17.0	17.5	17.3	17.7	17.8	18.1	18.6
	8H	16.3	16.6	16.8	17.1	17.6	17.4	17.7	17.9	18.2	18.7
Variations with the observer position at spacing:											
S =		1.0H	0.6 / -0.7		0.3 / -0.6						
		1.5H	0.9 / -1.5		1.1 / -1.5						
		2.0H	1.9 / -2.0		2.2 / -2.0						