

Product configuration: QL99

QL99: Ø1157mm - Tunable White - Microprismatic - DALI



Product code

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Technical description

Round luminaire for ceiling-mounted installation with option of recessed or pendant installation via an accessory to be ordered separately. Up/down emission designed to use Tunable White 2700K-6500K LED lamps. The optical assembly consists of an extruded painted aluminium frame, a satin finish methacrylate diffuser screen for UGR<19 3000cd/m2 light emission and a sheet metal rear closing base. The DALI DT8 driver is housed in the upper part of the product.

Installation

Ceiling-mounted. Recessed or pendant-mounted using an accessory to be ordered separately.

Colour

White (01) | Black (04)

Weight (Kg)

23.7

Mounting

mounting
wall surface ceiling surface

Wiring

Product complete with electronic components. The electrical cables used are made of a "halogen free" material. (This means that the cables do not contain any halogen materials that in the event of a fire do not emit toxic or corrosive gases and only a small quantity of opaque fumes).

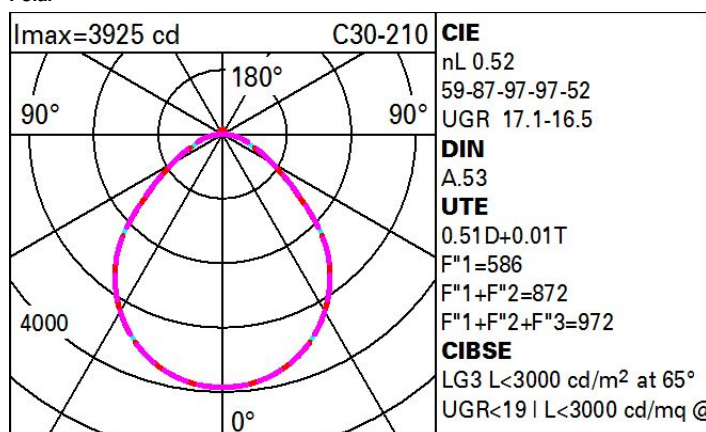
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	8840	CRI (minimum):	90
W system:	107.2	Colour temperature [K]:	Tunable white 2700 - 6500
Im source:	17000	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
W source:	96	Lamp code:	LED
Luminous efficiency (Im/W, real value):	82.5	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	223	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	52	Control:	DALI-2

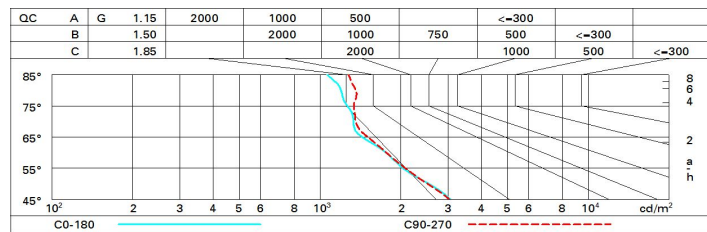
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	36	32	28	26	31	28	27	24	48
1.0	40	35	32	30	34	32	31	28	55
1.5	45	41	38	36	40	38	37	34	67
2.0	48	45	42	40	44	42	41	38	75
2.5	49	47	45	43	46	44	43	40	80
3.0	50	48	47	45	47	46	45	42	83
4.0	52	50	49	47	49	48	47	44	87
5.0	52	51	50	49	50	49	48	45	89

Luminance curve limit



UGR diagram

Corrected UGR values (at 17000 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		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
2H	2H	14.6	15.6	15.0	15.9	16.2	14.6	15.6	14.9	15.9	16.2
	3H	15.4	16.3	15.8	16.6	17.0	14.8	15.7	15.2	16.1	16.4
	4H	15.8	16.6	16.1	16.9	17.3	14.9	15.7	15.3	16.1	16.5
	6H	16.0	16.8	16.5	17.2	17.6	14.9	15.7	15.3	16.1	16.4
	8H	16.2	16.9	16.6	17.3	17.7	14.9	15.6	15.3	16.0	16.4
	12H	16.2	17.0	16.7	17.4	17.8	14.9	15.6	15.3	16.0	16.4
4H	2H	15.0	15.8	15.4	16.2	16.5	15.7	16.6	16.1	16.9	17.3
	3H	15.9	16.7	16.4	17.1	17.5	16.2	16.9	16.6	17.3	17.7
	4H	16.4	17.1	16.9	17.5	17.9	16.4	17.0	16.8	17.4	17.9
	6H	16.9	17.4	17.4	17.9	18.4	16.5	17.1	17.0	17.5	18.0
	8H	17.1	17.6	17.5	18.0	18.5	16.5	17.0	17.0	17.5	18.0
	12H	17.2	17.6	17.7	18.1	18.6	16.5	17.0	17.0	17.5	18.0
8H	4H	16.6	17.1	17.1	17.6	18.1	17.0	17.6	17.5	18.0	18.5
	6H	17.2	17.7	17.7	18.1	18.7	17.3	17.7	17.8	18.2	18.8
	8H	17.5	17.9	18.0	18.4	18.9	17.4	17.8	18.0	18.3	18.9
	12H	17.7	18.0	18.3	18.6	19.1	17.5	17.8	18.1	18.4	18.9
12H	4H	16.6	17.1	17.1	17.6	18.1	17.2	17.7	17.7	18.1	18.7
	6H	17.3	17.6	17.8	18.1	18.7	17.5	17.9	18.0	18.4	18.9
	8H	17.6	17.9	18.1	18.4	19.0	17.7	18.0	18.2	18.5	19.1
Variations with the observer position at spacing:											
S =	1.0H	0.3 / -0.3					0.3 / -0.3				
	1.5H	0.4 / -0.8					0.5 / -0.8				
	2.0H	1.1 / -1.2					1.1 / -1.1				