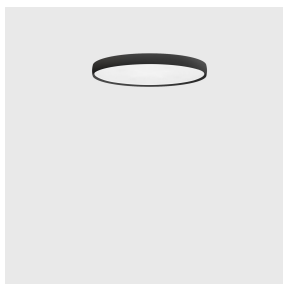


Product configuration: QL93
QL93: Ø597mm - Tunable White - Microprismatic - DALI



QL93: Ø597mm - Tunable White - Microprismatic - DALI

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.

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

Colour	Weight (Kg)
White (01) Black (04)	7.5

wall surface/ceiling surface

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



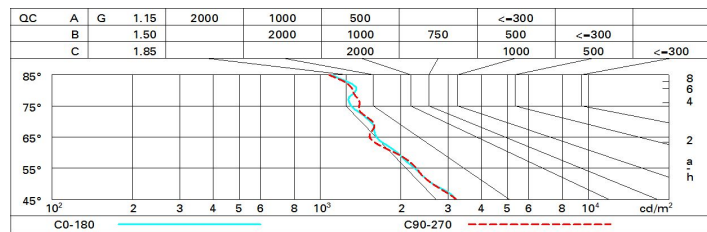
lm system:	2418	CRI (minimum):	90
W system:	29.9	Colour temperature [K]:	Tunable white 2700 - 6500
lm source:	4650	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
W source:	25	Lamp code:	LED
Luminous efficiency (lm/W, real value):	80.9	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	118	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	52	Control:	DALI-2

	<p>CIE nL 0.52 58-87-97-95-52 UGR 17.2-16.7</p> <p>DIN A.53</p> <p>UTE 0.49D+0.03T F"1=580 F"1+F"2=870 F"1+F"2+F"3=973</p> <p>CIBSE LG3 L<3000 cd/m² at 65° UGR<19 L<3000 cd/mq @</p>
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Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	36	31	28	25	30	27	27	23	47
1.0	39	35	32	29	34	31	30	27	55
1.5	44	41	38	36	39	37	36	33	67
2.0	47	44	42	40	43	41	40	37	74
2.5	49	46	44	43	45	43	42	39	79
3.0	50	48	46	45	46	45	44	41	83
4.0	51	50	48	47	48	47	46	43	87
5.0	52	51	49	48	49	48	47	44	89

Luminance curve limit



UGR diagram

Corrected UGR values (at 4050 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	14.7	15.7	15.1	10.1	10.4	14.7	15.7	15.1	10.0	10.4
	3H	15.0	16.5	16.0	10.8	17.2	15.0	15.9	15.4	10.2	10.6
	4H	15.9	16.8	16.4	17.1	17.6	15.1	15.9	15.5	10.3	10.7
	6H	16.3	17.0	16.7	17.4	17.9	15.1	15.8	15.5	10.2	10.7
	8H	16.4	17.1	16.8	17.5	18.0	15.0	15.8	15.5	10.2	10.7
	12H	16.5	17.2	16.9	17.6	18.1	15.0	15.7	15.5	10.1	10.6
4H	2H	15.1	15.9	15.5	10.3	10.7	15.9	16.7	16.3	17.1	17.5
	3H	16.1	16.8	16.6	17.2	17.7	16.4	17.1	16.8	17.5	18.0
	4H	16.6	17.2	17.1	17.7	18.2	16.5	17.2	17.0	17.6	18.1
	6H	17.0	17.6	17.5	18.1	18.6	16.7	17.2	17.2	17.7	18.2
	8H	17.2	17.7	17.7	18.2	18.8	16.7	17.2	17.2	17.7	18.3
	12H	17.3	17.8	17.9	18.3	18.9	16.7	17.2	17.3	17.7	18.3
8H	4H	16.7	17.2	17.3	17.7	18.3	17.1	17.6	17.7	18.1	18.7
	6H	17.3	17.7	17.9	18.3	18.9	17.4	17.8	18.0	18.4	19.0
	8H	17.6	17.9	18.1	18.5	19.1	17.5	17.9	18.1	18.4	19.0
	12H	17.8	18.1	18.3	18.6	19.3	17.6	17.9	18.2	18.5	19.1
12H	4H	16.7	17.2	17.3	17.7	18.3	17.2	17.7	17.8	18.2	18.8
	6H	17.4	17.7	17.9	18.3	18.9	17.6	17.9	18.1	18.5	19.1
	8H	17.7	18.0	18.2	18.5	19.1	17.7	18.0	18.3	18.6	19.2
Variations with the observer position at spacing:											
S =		1.0H					0.3 / -0.3				
		1.5H					0.4 / -0.8				
		2.0H					1.0 / -1.1				