

Product configuration: QL87

QL87: Ø887mm - Tunable White - Microprismatic - DALI



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Round luminaire for ceiling-mounted installation with option of recessed or pendant installation via an accessory to be ordered separately. Direct emission designed to use Tunable White2700K-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
White (01) | Black (04)

Weight (Kg)
14.1

mounting
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).

TPb rated

Complies with EN60598-1 and pertinent regulations



Im system:	4896	CRI (minimum):	90
W system:	59.9	Colour temperature [K]:	Tunable white 2700 - 6500
Im source:	9600	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
W source:	55	Lamp code:	LED
Luminous efficiency (Im/W, real value):	81.7	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]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	51	Control:	DALI-2

Imax=2213 cd **C0-180**

90° 180° 90°

2000

0°

CIE
nL 0.51
58-87-97-100-51
UGR 17.3-16.8

DIN
A.51

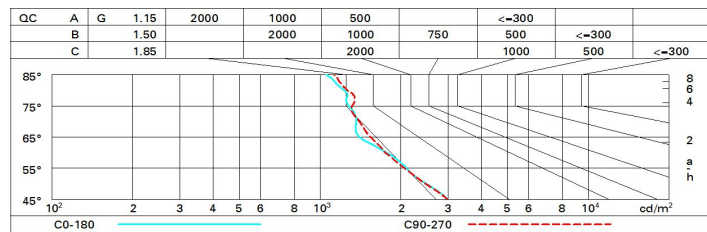
UTE
0.51 D+0.00 T
F"1=582
F"1+F"2=870
F"1+F"2+F"3=973

CIBSE
LG3 L<3000 cd/m² at 65°
UGR<19 | L<3000 cd/mq @

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	36	31	28	25	31	27	27	24	47
1.0	39	35	32	29	34	31	31	28	55
1.5	44	41	38	36	40	37	37	34	67
2.0	47	44	42	40	43	41	41	38	75
2.5	49	46	44	43	45	44	43	41	79
3.0	50	48	46	45	47	45	45	42	83
4.0	51	49	48	47	48	47	46	44	87
5.0	52	51	49	48	49	48	48	46	89

Luminance curve limit



UGR diagram

Corrected UGR values (at 9000 lm bare lamp luminous flux)											
Riflect.: ceil/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	14.8	15.8	15.1	16.1	16.3	14.7	15.8	15.1	16.0	16.3
	3H	15.6	16.5	15.9	16.8	17.1	15.0	16.0	15.4	16.3	16.6
	4H	15.9	16.8	16.3	17.1	17.4	15.1	16.0	15.5	16.3	16.6
	6H	16.3	17.1	16.6	17.4	17.7	15.1	15.9	15.5	16.3	16.6
	8H	16.4	17.1	16.8	17.5	17.8	15.1	15.9	15.5	16.2	16.6
	12H	16.4	17.2	16.8	17.5	17.9	15.1	15.8	15.5	16.2	16.5
4H	2H	15.1	16.0	15.5	16.3	16.6	15.9	16.8	16.3	17.1	17.4
	3H	16.2	16.9	16.6	17.3	17.6	16.4	17.2	16.8	17.5	17.9
	4H	16.6	17.3	17.0	17.7	18.1	16.6	17.3	17.0	17.6	18.0
	6H	17.1	17.7	17.5	18.1	18.5	16.8	17.3	17.2	17.7	18.2
	8H	17.3	17.8	17.7	18.2	18.7	16.8	17.3	17.2	17.7	18.2
	12H	17.4	17.8	17.8	18.3	18.7	16.8	17.3	17.3	17.7	18.2
8H	4H	16.8	17.4	17.3	17.8	18.2	17.3	17.8	17.7	18.2	18.7
	6H	17.4	17.9	17.9	18.3	18.8	17.5	18.0	18.0	18.4	18.9
	8H	17.7	18.1	18.2	18.5	19.0	17.6	18.0	18.1	18.5	19.0
	12H	17.9	18.2	18.4	18.7	19.2	17.7	18.1	18.2	18.5	19.1
12H	4H	16.8	17.3	17.3	17.7	18.2	17.4	17.9	17.8	18.3	18.8
	6H	17.5	17.8	18.0	18.3	18.8	17.7	18.1	18.2	18.5	19.0
	8H	17.8	18.1	18.3	18.6	19.1	17.8	18.2	18.3	18.7	19.2
Variations with the observer position at spacing:											
S =	1.0H	0.3 / -0.3					0.3 / -0.3				
	1.5H	0.5 / -0.8					0.5 / -0.8				
	2.0H	1.1 / -1.2					1.1 / -1.1				