

Product configuration: QM04
QM04: Ø1157mm - Neutral 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 Neutral White 4000K 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 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)
23.7

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



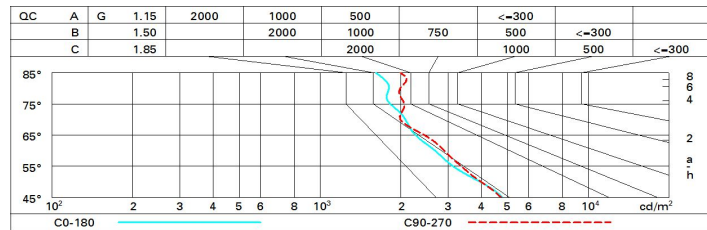
Im system:	13075	Colour temperature [K]:	4000
W system:	114.1	MacAdam Step:	3
Im source:	18950	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W source:	104	Lamp code:	LED
Luminous efficiency (lm/W, real value):	114.6	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	69	Control:	DALI-2
CRI (minimum):	90		

	<p>Imax=5625 cd</p> <p>C0-180</p>	<p>CIE nL 0.69 57-87-97-100-69 UGR 18.9-18.4</p>	<p>DIN A.51</p> <p>UTE 0.69D+0.00T F"1=574 F"1+F"2=869 F"1+F"2+F"3=972</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	48	42	37	34	41	37	36	32	47
1.0	53	47	43	39	46	42	42	37	54
1.5	60	55	51	48	54	50	50	46	66
2.0	63	60	56	54	58	56	55	51	74
2.5	66	63	60	58	61	59	58	55	79
3.0	67	65	62	60	63	61	60	57	83
4.0	69	67	65	63	65	64	63	60	87
5.0	70	68	67	65	67	65	64	61	89

Luminance curve limit



UGR diagram

Corrected UGR values (at 18950 lm bare lamp luminous flux)											
Reflect.: ceiling 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	16.4	17.5	16.7	17.7	18.0	16.4	17.4	16.7	17.7	17.9
	3H	17.2	18.2	17.6	18.5	18.8	16.6	17.6	17.0	17.9	18.2
	4H	17.6	18.4	17.9	18.8	19.1	16.7	17.6	17.1	17.9	18.2
	6H	17.8	18.7	18.2	19.0	19.3	16.7	17.5	17.1	17.9	18.2
	8H	18.0	18.7	18.3	19.1	19.4	16.7	17.5	17.1	17.8	18.2
	12H	18.0	18.8	18.4	19.1	19.5	16.7	17.4	17.1	17.8	18.2
4H	2H	16.8	17.7	17.1	18.0	18.3	17.5	18.4	17.9	18.7	19.1
	3H	17.8	18.5	18.2	18.9	19.2	18.0	18.8	18.4	19.1	19.5
	4H	18.3	18.9	18.7	19.3	19.7	18.2	18.9	18.6	19.2	19.6
	6H	18.7	19.3	19.1	19.7	20.1	18.3	18.9	18.8	19.3	19.8
	8H	18.9	19.4	19.3	19.8	20.3	18.4	18.9	18.8	19.3	19.8
	12H	19.0	19.5	19.4	19.9	20.4	18.4	18.9	18.9	19.3	19.8
8H	4H	18.4	19.0	18.9	19.4	19.8	18.9	19.4	19.3	19.9	20.3
	6H	19.0	19.5	19.5	19.9	20.4	19.2	19.6	19.6	20.0	20.5
	8H	19.3	19.7	19.8	20.2	20.7	19.3	19.6	19.8	20.1	20.6
	12H	19.5	19.8	20.0	20.3	20.9	19.3	19.7	19.9	20.2	20.7
12H	4H	18.4	18.9	18.9	19.4	19.8	19.0	19.5	19.5	20.0	20.4
	6H	19.1	19.5	19.6	19.9	20.4	19.3	19.7	19.8	20.2	20.7
	8H	19.4	19.7	19.9	20.2	20.8	19.5	19.8	20.0	20.3	20.8
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	1.0 / -1.2					1.0 / -1.1				