

Last information update: July 2025

Product configuration: 6791.24

6791.24: Diffused light luminaire - Neutral LED - DALI dimmable electronic control gear - 29W 3610.1lm - 4000K - Clear transparent

**Product code**

6791.24: Diffused light luminaire - Neutral LED - DALI dimmable electronic control gear - 29W 3610.1lm - 4000K - Clear transparent

Technical description

Diffused light luminaire, designed to use LED lamps. Anti UV-treated, polycarbonate, external body and end caps with a ribbed finish to contain any dazzle from direct light. The double cable gland provided allows max 15.5 mm Ø electric cables to be used. The end caps can be released using the stainless steel clips, so scheduled maintenance is tool-free. Complete with pass-through wiring for continuous line installations.

Installation

Horizontal or vertical, single or double pendant / surface (wall and ceiling) installation. For these various types of installation use the optional kits supplied.

Colour

Clear transparent (24)

Weight (Kg)

2.95

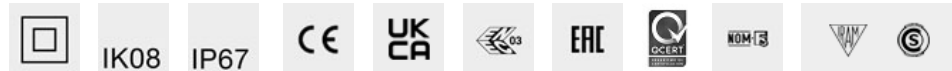
Mounting

wall surface|ceiling surface|ceiling pendant

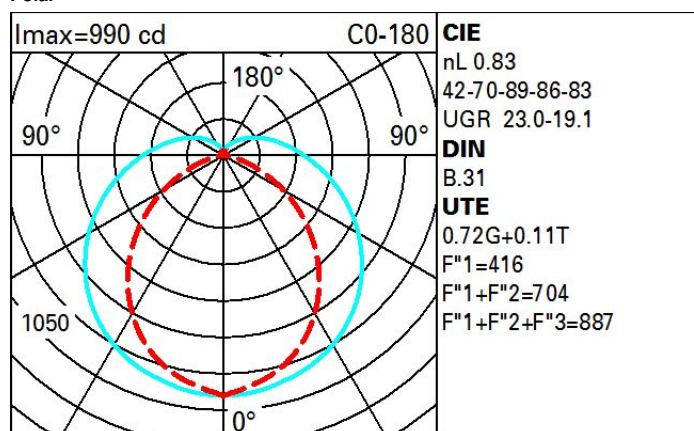
Wiring

DALI dimmable electronic control gear integrated in the luminaire. Mains connection made with quick coupling terminal blocks.

Complies with EN60598-1 and pertinent regulations

**Technical data**

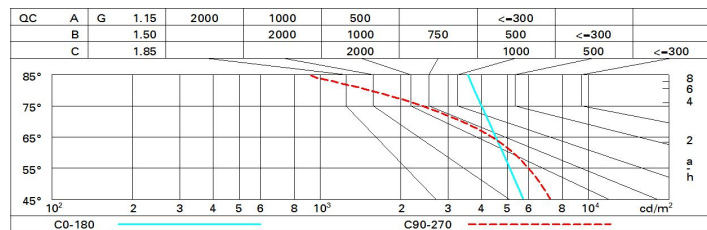
lm system:	3610	Rg (Gamut Index):	96
W system:	29	Colour temperature [K]:	4000
lm source:	4350	MacAdam Step:	3
W source:	26	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	124.5	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	498	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	83	Number of optical assemblies:	1
CRI (minimum):	80	Intervallum temperatura ambiente:	from -20°C to 35°C.
Rf (Colour Fidelity Index):	84	Control:	DALI-2

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	50	41	34	30	38	33	31	25	35
1.0	55	46	40	35	44	38	37	30	41
1.5	63	56	50	45	53	48	45	38	53
2.0	68	62	57	52	58	54	51	44	62
2.5	71	66	61	57	62	58	55	48	67
3.0	73	69	64	61	65	61	58	51	72
4.0	76	72	69	66	68	65	62	55	77
5.0	78	74	71	69	70	68	64	58	80

Luminance curve limit



UGR diagram

Corrected UGR values (at 4350 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	17.7	18.7	18.2	19.3	19.8	16.2	17.3	16.7	17.8	18.4
	3H	19.6	20.6	20.2	21.1	21.7	16.7	17.7	17.3	18.2	18.8
	4H	20.5	21.4	21.1	22.0	22.6	17.0	17.9	17.5	18.4	19.1
	6H	21.4	22.3	22.0	22.9	23.5	17.1	18.0	17.7	18.6	19.2
	8H	21.9	22.7	22.5	23.3	23.9	17.2	18.0	17.8	18.6	19.2
	12H	22.3	23.1	22.9	23.7	24.3	17.2	18.0	17.8	18.6	19.2
4H	2H	18.1	19.0	18.7	19.6	20.2	17.3	18.2	17.9	18.8	19.4
	3H	20.3	21.1	20.9	21.7	22.3	18.1	18.9	18.7	19.5	20.1
	4H	21.4	22.1	22.0	22.7	23.4	18.5	19.2	19.1	19.8	20.5
	6H	22.5	23.1	23.1	23.7	24.5	18.9	19.6	19.6	20.2	20.9
	8H	23.0	23.6	23.6	24.2	25.0	19.1	19.7	19.8	20.4	21.1
	12H	23.5	24.0	24.2	24.7	25.4	19.3	19.8	19.9	20.5	21.2
8H	4H	21.6	22.2	22.2	22.8	23.6	18.7	19.3	19.4	20.0	20.7
	6H	22.9	23.4	23.6	24.0	24.8	19.4	19.9	20.0	20.5	21.3
	8H	23.5	24.0	24.2	24.7	25.5	19.7	20.2	20.4	20.9	21.7
	12H	24.2	24.6	24.9	25.3	26.1	20.1	20.5	20.8	21.2	22.0
12H	4H	21.6	22.1	22.2	22.8	23.5	18.7	19.2	19.4	19.9	20.7
	6H	22.9	23.4	23.6	24.0	24.8	19.4	19.8	20.1	20.5	21.3
	8H	23.7	24.0	24.4	24.7	25.6	19.8	20.2	20.5	20.9	21.7
Variations with the observer position at spacing:											
S =	1.0H	0.1 / -0.1					0.1 / -0.1				
	1.5H	0.2 / -0.2					0.2 / -0.4				
	2.0H	0.2 / -0.3					0.5 / -0.7				