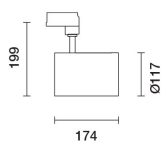


Last information update: June 2025

Product configuration: 7983.01

7983.01: body Ø 117 mm - very wide flood optic - DALI - 38.1W 4674lm - 4000K - CRI 90 - White



Product code

7983.01: body Ø 117 mm - very wide flood optic - DALI - 38.1W 4674lm - 4000K - CRI 90 - White

Technical description

Adjustable spotlight with adapter for installation on a mains voltage track. Luminaire made of die-cast aluminium. Spotlight double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Built-in dimmable DALI ballast. Luminaire complete with C.O.B. technology LED unit in neutral white colour 4000K. Anti-scratch reflector made of P.V.D (physical vapour deposition) aluminium that can provide optimum performance in terms of light efficiency. very wide flood optic. Possibility of installing a flat accessory, like a glass cover or an elliptical distribution refractor.

Installation

On an electrified track or special base

Colour
White (01)

Weight (Kg)
1.17

Mounting

three circuit track

Wiring

Product complete with DALI components

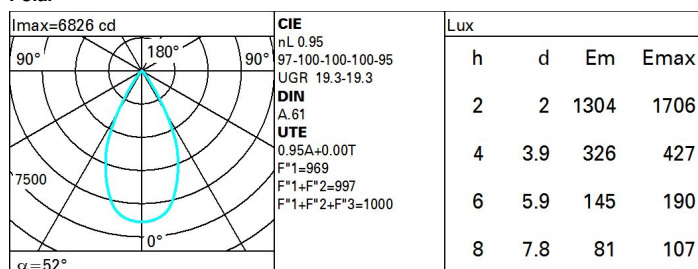
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	4674	Rf (Colour Fidelity Index):	90
W system:	38.1	Rg (Gamut Index):	98
Im source:	4920	Colour temperature [K]:	4000
W source:	34	MacAdam Step:	2
Luminous efficiency (Im/W, real value):	122.7	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Im in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	95	ZVEI Code:	LED
Beam angle [°]:	52°	Number of optical assemblies:	1
CRI (minimum):	90	Control:	DALI-2

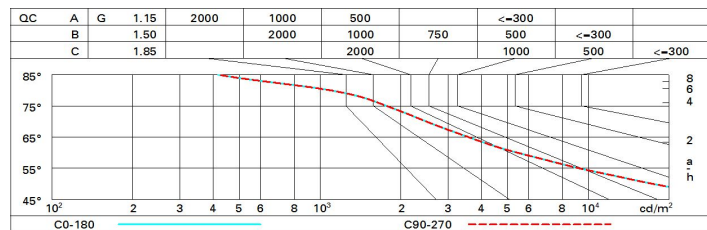
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	85	80	76	74	79	76	76	72	76
1.0	88	84	81	79	83	81	80	77	81
1.5	93	90	88	86	89	87	86	83	87
2.0	96	94	92	91	93	91	90	87	92
2.5	98	96	95	94	95	94	93	90	95
3.0	99	98	97	96	97	96	94	92	97
4.0	101	100	99	98	98	97	96	94	99
5.0	101	101	100	100	99	98	97	95	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 4920 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	19.8	20.4	20.1	20.7	20.9	19.8	20.4	20.1	20.7	20.9
	3H	19.7	20.2	20.0	20.5	20.8	19.7	20.2	20.0	20.5	20.8
	4H	19.6	20.1	20.0	20.4	20.7	19.6	20.1	20.0	20.4	20.7
	6H	19.6	20.0	19.9	20.3	20.7	19.6	20.0	19.9	20.3	20.7
	8H	19.5	20.0	19.9	20.3	20.6	19.5	20.0	19.9	20.3	20.6
	12H	19.5	19.9	19.9	20.2	20.6	19.5	19.9	19.9	20.2	20.6
4H	2H	19.6	20.1	20.0	20.4	20.7	19.6	20.1	20.0	20.4	20.7
	3H	19.5	19.9	19.9	20.3	20.6	19.5	19.9	19.9	20.3	20.6
	4H	19.4	19.8	19.8	20.2	20.5	19.4	19.8	19.8	20.2	20.5
	6H	19.3	19.7	19.8	20.1	20.5	19.3	19.7	19.7	20.1	20.5
	8H	19.3	19.6	19.7	20.0	20.4	19.3	19.6	19.7	20.0	20.4
	12H	19.2	19.5	19.7	19.9	20.4	19.2	19.5	19.7	19.9	20.4
8H	4H	19.3	19.6	19.7	20.0	20.4	19.3	19.6	19.7	20.0	20.4
	6H	19.2	19.4	19.7	19.9	20.4	19.2	19.4	19.7	19.9	20.4
	8H	19.1	19.3	19.6	19.8	20.3	19.1	19.3	19.6	19.8	20.3
	12H	19.1	19.3	19.6	19.8	20.3	19.1	19.3	19.6	19.8	20.3
12H	4H	19.2	19.5	19.7	19.9	20.4	19.2	19.5	19.7	19.9	20.4
	6H	19.1	19.3	19.6	19.8	20.3	19.1	19.3	19.6	19.8	20.3
	8H	19.1	19.3	19.6	19.8	20.3	19.1	19.3	19.6	19.8	20.3
Variations with the observer position at spacing:											
S =		1.0H					5.5 / -10.6				
		1.5H					8.3 / -13.6				
		2.0H					10.3 / -15.0				