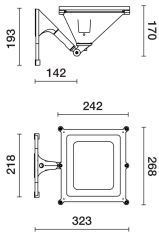


Last information update: March 2025

Product configuration: 866A

866A: Indoor, surface-mounted floodlight – Warm White – Integrated power supply - DALI-2

**Product code**

866A: Indoor, surface-mounted floodlight – Warm White – Integrated power supply - DALI-2

Technical description

Floodlight designed to use LED lamps and a GL optic. Consisting of an optical assembly, a swivel joint, a glass-holding frame and a fork made of aluminium alloy, subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation and sealing. The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. Transparent, 4mm thick, tempered sodium-calcium closing glass. The gasket is in black silicone. The product includes a Warm White monochrome circuit fitted with 1 reflector with an Opti Beam Reflector. The electronic DALI-2 power supply is integrated in the product and compatible with remote management systems. The frame includes steel retaining cables. The swivel joint allows the luminaire to be adjusted vertically by 180°. All external screws used are made of A2 stainless steel.

Colour

White (01) | Black (04) | Grey (15) | Grey / Yellow (73) | Rust Brown (F5)

Weight (Kg)

3.25

Mounting

wall surface

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	2399	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	20.3	Life Time LED 2:	> 50,000h - L80 - B10 (Ta 40°C)
lm source:	2790	Lamp code:	LED
W source:	18	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	118.2	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	86	Minimum dimming %:	1
CRI (minimum):	65	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	2200	Control:	DALI-2
MacAdam Step:	3		

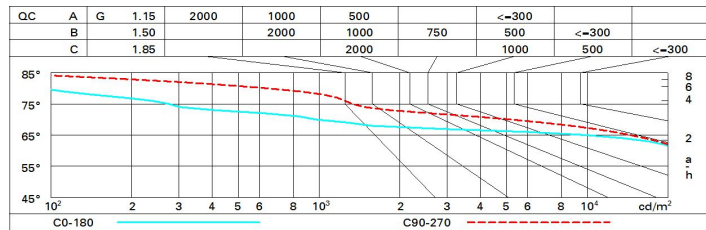
Polar

	CIE nL 0.86 58-93-100-100-86 UGR 24.2-24.6 DIN A.51 UTE 0.86C+0.00T F*1=581 F*1+F*2=932 F*1+F*2+F*3=999	Lux			
		h	d1	d2	Em Emax
		1	2.6	2.7	609 984
		2	5.2	5.3	152 246
		3	7.9	8	68 109
4	10.5	10.6	38 62		

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	61	53	47	43	51	46	46	41	47
1.0	67	60	54	50	58	53	53	48	56
1.5	76	70	66	62	69	65	64	59	69
2.0	80	76	72	69	75	71	70	66	77
2.5	83	80	77	74	78	75	74	70	82
3.0	85	82	79	77	80	78	77	73	85
4.0	87	84	83	81	83	81	80	76	89
5.0	88	86	84	83	84	83	81	78	91

Luminance curve limit



UGR diagram

Corrected UGR values (at 2790 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling	cav	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		viewed crosswise					viewed endwise				
x	y										
2H	2H	24.2	25.2	24.5	25.5	25.7	24.5	25.5	24.8	25.7	26.0
	3H	24.2	25.1	24.5	25.4	25.7	24.7	25.6	25.0	25.9	26.2
	4H	24.1	25.0	24.5	25.3	25.6	24.7	25.5	25.0	25.8	26.1
	6H	24.0	24.8	24.4	25.1	25.5	24.6	25.3	24.9	25.7	26.0
	8H	24.0	24.7	24.4	25.1	25.4	24.5	25.3	24.9	25.6	26.0
	12H	24.0	24.7	24.4	25.0	25.4	24.5	25.2	24.9	25.6	25.9
4H	2H	24.4	25.3	24.8	25.6	25.9	24.5	25.3	24.9	25.6	26.0
	3H	24.4	25.1	24.8	25.5	25.9	24.7	25.4	25.1	25.8	26.1
	4H	24.4	25.0	24.8	25.3	25.7	24.7	25.3	25.1	25.7	26.1
	6H	24.3	24.8	24.7	25.2	25.6	24.6	25.2	25.1	25.6	26.0
	8H	24.2	24.7	24.7	25.1	25.6	24.6	25.1	25.0	25.5	25.9
	12H	24.2	24.6	24.7	25.1	25.5	24.5	25.0	25.0	25.4	25.9
8H	4H	24.2	24.7	24.7	25.2	25.6	24.6	25.1	25.0	25.5	25.9
	6H	24.2	24.6	24.6	25.0	25.5	24.5	24.9	25.0	25.4	25.8
	8H	24.1	24.5	24.6	24.9	25.4	24.5	24.8	24.9	25.3	25.8
	12H	24.1	24.4	24.6	24.9	25.4	24.4	24.7	24.9	25.2	25.7
12H	4H	24.2	24.6	24.7	25.1	25.5	24.5	25.0	25.0	25.4	25.9
	6H	24.1	24.5	24.6	24.9	25.4	24.5	24.8	24.9	25.3	25.8
	8H	24.1	24.4	24.6	24.9	25.4	24.4	24.7	24.9	25.2	25.7
Variations with the observer position at spacing:											
S =	1.0H	0.4 / -0.7					0.4 / -0.5				
	1.5H	1.1 / -2.5					1.3 / -2.5				
	2.0H	2.4 / -12.7					2.3 / -6.8				