

Last information update: March 2025

Product configuration: 439B

439B: body Ø86 mm - Warm White - dimmable DALI ballast - wide flood optic

**Product code**

439B: body Ø86 mm - Warm White - dimmable DALI ballast - wide flood optic

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. Mechanical aiming locks both for rotation about the vertical axis and tilting relative to the horizontal plane. Optical assembly made up of Warm White 3000K high colour rendering C.o.B LEDs, with OPTI BEAM REFLECTOR technology and a well-defined wide flood light beam. Dimmable DALI driver built-in to box with a semi-hidden system on track.

Installation

On a three-phase/DALI electrified track

Colour

White (01) | Black (04)

Weight (Kg)

0.9

Mounting

three circuit track pendant

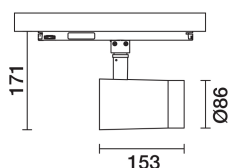
Wiring

Product complete with DALI dimmable components, housed in a semi-hidden box on the track.

Complies with EN60598-1 and pertinent regulations



IP20

**Technical data**

lm system:	2505	MacAdam Step:	2
W system:	30.5	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
lm source:	3340	Lamp code:	LED
W source:	26	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	82.1	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.) [%]:	75	Inrush current:	5 A / 50 µs
Beam angle [°]:	56°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
CRI (minimum):	90	Overvoltage protection:	4kV Common mode & 2kV Differential mode
Colour temperature [K]:	3000	Control:	DALI-2

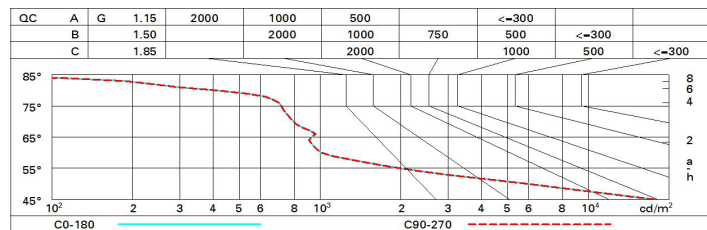
Polar

	Imax=3347 cd		CIE nL 0.75 99-100-100-100-75 UGR 17.7-17.7 DIN A.61 UTE 0.75A+0.00T F*1=986 F*1+F*2=999 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m² at 65° UGR<19 L<1500 cd/mq @65°		Lux			
	h	d	Em	Emax				
	2	2.1	665	837				
	4	4.2	166	209				
	6	6.3	74	93				
α=55°		8	8.4	42	52			

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	67	64	61	59	63	61	60	58	77
1.0	70	67	65	63	66	64	64	62	82
1.5	74	72	70	68	71	69	68	66	88
2.0	76	75	73	72	73	72	71	69	92
2.5	78	76	75	74	75	74	74	72	95
3.0	79	78	77	76	77	76	75	73	97
4.0	80	79	78	78	78	77	76	74	99
5.0	80	80	79	79	78	78	77	75	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 3340 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	18.3	18.9	18.5	19.1	19.3	18.3	18.9	18.5	19.1	19.3
	3H	18.1	18.7	18.4	18.9	19.2	18.1	18.7	18.4	18.9	19.2
	4H	18.1	18.6	18.4	18.8	19.1	18.1	18.6	18.4	18.8	19.1
	6H	18.0	18.4	18.3	18.8	19.1	18.0	18.4	18.3	18.7	19.1
	8H	18.0	18.4	18.3	18.7	19.0	17.9	18.4	18.3	18.7	19.0
	12H	17.9	18.3	18.3	18.7	19.0	17.9	18.3	18.3	18.7	19.0
4H	2H	18.1	18.6	18.4	18.8	19.1	18.1	18.6	18.4	18.8	19.1
	3H	17.9	18.3	18.3	18.7	19.0	17.9	18.3	18.3	18.7	19.0
	4H	17.8	18.2	18.2	18.6	18.9	17.8	18.2	18.2	18.6	18.9
	6H	17.7	18.1	18.2	18.5	18.9	17.7	18.1	18.2	18.5	18.9
	8H	17.7	18.0	18.1	18.4	18.8	17.7	18.0	18.1	18.4	18.8
	12H	17.6	17.9	18.1	18.3	18.8	17.6	17.9	18.1	18.3	18.8
8H	4H	17.7	18.0	18.1	18.4	18.8	17.7	18.0	18.1	18.4	18.8
	6H	17.6	17.8	18.1	18.3	18.8	17.6	17.8	18.1	18.3	18.8
	8H	17.5	17.7	18.0	18.2	18.7	17.5	17.7	18.0	18.2	18.7
	12H	17.5	17.7	18.0	18.2	18.7	17.5	17.7	18.0	18.2	18.7
12H	4H	17.6	17.9	18.1	18.3	18.8	17.6	17.9	18.1	18.3	18.8
	6H	17.5	17.7	18.0	18.2	18.7	17.5	17.7	18.0	18.2	18.7
	8H	17.5	17.7	18.0	18.2	18.7	17.5	17.7	18.0	18.2	18.7
Variations with the observer position at spacing:											
S =	1.0H	5.7 / -18.4					5.7 / -18.4				
	1.5H	8.6 / -20.6					8.6 / -20.6				
	2.0H	10.6 / -20.8					10.6 / -20.8				