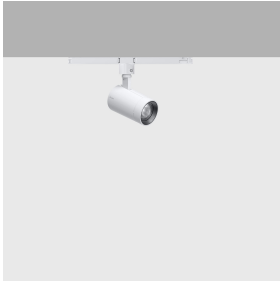


Last information update: June 2025

**Product configuration: 429B.01**

429B.01: body Ø62 mm - Neutral White - dimmable DALI ballast - wide flood optic - 16.3W 1619.5lm - 4000K - White

**Product code**

429B.01: body Ø62 mm - Neutral White - dimmable DALI ballast - wide flood optic - 16.3W 1619.5lm - 4000K - 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. Mechanical aiming locks both for rotation about the vertical axis and tilting relative to the horizontal plane. Optical assembly made up of Neutral White 4000K high colour rendering C.o.B LEDs, with OPTI BEAM REFLECTOR technology and a well-defined medium 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)**Weight (Kg)**  
0.55**Mounting**

three circuit track

**Wiring**

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

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	1620	MacAdam Step:	2
W system:	16.3	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
lm source:	2050	Lamp code:	LED
W source:	14	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	99.4	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.) [%]:	79	Inrush current:	5 A / 50 µs
Beam angle [°]:	42°	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):	80	Overvoltage protection:	4kV Common mode & 2kV Differential mode
Colour temperature [K]:	4000	Control:	DALI-2

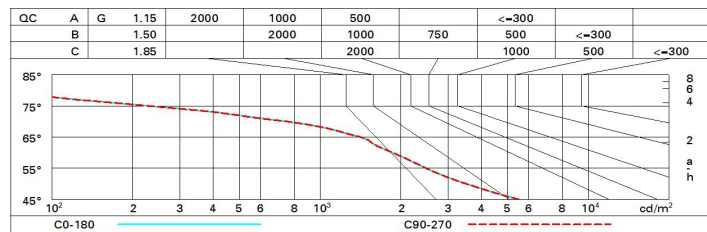
**Polar**

Imax=3602 cd		CIE		Lux			
	90°	nL 0.79	100-100-100-100-79	h	d	Em	Emax
	180°	UGR <10-10	DIN	2	1.6	726	901
	90°	A.61	UTE	4	3.1	182	225
	0°	0.79A+0.00T	F*1=996	6	4.7	81	100
	α=42°	F*1+F*2=999	F*1+F*2+F*3=1000	8	6.2	45	56
		CIBSE	LG3 L<1500 cd/m² at 65°				
			UGR<10   L<1500 cd/mq @65°				

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	68	65	63	67	65	64	62	78
1.0	74	71	69	67	70	68	68	65	83
1.5	78	76	74	72	75	73	72	70	89
2.0	80	79	77	76	78	76	75	73	93
2.5	82	81	80	79	80	79	78	76	96
3.0	83	82	81	81	81	80	79	77	98
4.0	84	83	83	82	82	82	80	78	99
5.0	84	84	84	83	83	82	81	79	100

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 2050 lm bare lamp luminous flux)											
Reflect.: ceiling/cav 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	7.6	8.2	7.9	8.4	8.7	7.6	8.2	7.9	8.4	8.7
	3H	7.5	8.0	7.8	8.3	8.6	7.5	8.0	7.8	8.3	8.6
	4H	7.5	7.9	7.8	8.2	8.5	7.5	7.9	7.8	8.2	8.5
	6H	7.4	7.8	7.7	8.1	8.4	7.4	7.8	7.7	8.1	8.5
	8H	7.3	7.8	7.7	8.1	8.4	7.3	7.8	7.7	8.1	8.4
	12H	7.3	7.7	7.7	8.0	8.4	7.3	7.7	7.7	8.0	8.4
4H	2H	7.5	7.9	7.8	8.2	8.5	7.5	7.9	7.8	8.2	8.5
	3H	7.4	7.7	7.7	8.1	8.4	7.3	7.7	7.7	8.1	8.4
	4H	7.3	7.6	7.7	8.0	8.4	7.3	7.6	7.7	8.0	8.4
	6H	7.2	7.5	7.6	7.9	8.3	7.2	7.5	7.6	7.9	8.3
	8H	7.1	7.4	7.6	7.8	8.3	7.1	7.4	7.6	7.8	8.3
	12H	7.1	7.3	7.5	7.8	8.2	7.1	7.3	7.5	7.8	8.2
8H	4H	7.1	7.4	7.6	7.8	8.3	7.1	7.4	7.6	7.8	8.3
	6H	7.0	7.3	7.5	7.7	8.2	7.0	7.3	7.5	7.7	8.2
	8H	7.0	7.2	7.5	7.6	8.1	7.0	7.2	7.5	7.6	8.1
	12H	6.9	7.1	7.4	7.6	8.1	6.9	7.1	7.4	7.6	8.1
12H	4H	7.1	7.3	7.5	7.8	8.2	7.1	7.3	7.5	7.8	8.2
	6H	7.0	7.2	7.5	7.6	8.1	7.0	7.2	7.5	7.6	8.1
	8H	6.9	7.1	7.4	7.6	8.1	6.9	7.1	7.4	7.6	8.1
Variations with the observer position at spacing:											
S =	1.0H	6.2 / -8.5					6.2 / -8.5				
	1.5H	8.9 / -10.4					8.9 / -10.4				
	2.0H	10.9 / -12.2					10.9 / -12.2				