

## View Opti Beam Lens round

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### Product configuration: 450B

450B: round large body spotlight - wide flood



### Product code

450B: round large body spotlight - wide flood

### Technical description

Indoor adjustable spotlight with adapter for installation on a three-phase/DALI track. Device made of die-cast aluminium and a front part made of a thermoplastic material. Spotlight double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Optical assembly consisting of Neutral White tone 4000K LEDs with OPTIBEAM LENS technology and a wide flood light beam. Dimmable DALI driver built-in to box with a semi-hidden system on track. Option of installing a range of flat accessories including an OPTIBEAM REFRACTOR for varying light distribution, an elliptical distribution refractor, a louvre, a soft lens and an outdoor accessory like an asymmetric visor for eliminating stray light dispersion on the ceiling.

### Installation

On a three-phase/DALI electrified track

### Colour

Black (04) | Black / White (47)

### Weight (Kg)

1.57

### Mounting

dali track|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

Im system:	2386	MacAdam Step:	2
W system:	28.3	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Im source:	2910	Lamp code:	LED
W source:	24	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	84.3	ZVEI Code:	LED
Im 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.) [%]:	82	Inrush current:	5 A / 50 µs
Beam angle [°]:	46°	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):	97	Overvoltage protection:	4kV Common mode & 2kV Differential mode
Colour temperature [K]:	4000	Control:	DALI-2

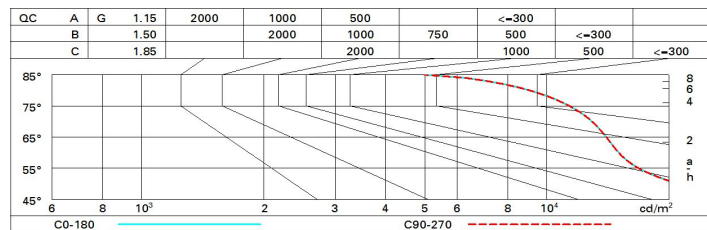
### Polar

	CIE							
	nL 0.82							
	89-97-99-100-82							
	UGR 20.9-20.7							
	DIN A.61							
UTE								
0.82A+0.00T								
F*1=892								
F*1+F*2=968								
F*1+F*2+F*3=995								
α=46°								
Lux								
h	d	Em	Emax					
2	1.7	674	884					
4	3.4	168	221					
6	5.1	75	98					
8	6.8	42	55					

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	65	62	59	64	61	61	58	70
1.0	74	69	66	64	68	66	65	62	76
1.5	79	75	73	70	74	72	71	68	83
2.0	82	79	77	75	78	76	75	72	88
2.5	83	81	80	78	80	79	78	75	92
3.0	85	83	82	81	82	81	80	77	94
4.0	86	85	84	83	83	83	81	79	96
5.0	87	86	85	84	84	84	82	80	98

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 2910 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		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
		viewed crosswise					viewed endwise				
2H	2H	19.3	20.0	19.6	20.3	20.5	19.3	20.0	19.6	20.3	20.5
	3H	19.9	20.5	20.2	20.8	21.1	19.5	20.1	19.8	20.4	20.6
	4H	20.1	20.7	20.5	21.0	21.3	19.5	20.1	19.8	20.4	20.7
	6H	20.3	20.8	20.6	21.1	21.5	19.5	20.0	19.8	20.3	20.7
	8H	20.3	20.8	20.7	21.2	21.5	19.5	20.0	19.8	20.3	20.7
	12H	20.3	20.8	20.7	21.1	21.5	19.4	19.9	19.8	20.3	20.6
4H	2H	19.5	20.1	19.8	20.4	20.7	20.1	20.7	20.5	21.0	21.3
	3H	20.2	20.7	20.6	21.1	21.4	20.4	20.9	20.8	21.3	21.6
	4H	20.6	21.0	21.0	21.4	21.8	20.6	21.0	21.0	21.4	21.8
	6H	20.8	21.2	21.2	21.6	22.0	20.7	21.0	21.1	21.4	21.9
	8H	20.9	21.2	21.3	21.6	22.1	20.7	21.0	21.1	21.4	21.9
	12H	20.9	21.2	21.3	21.6	22.1	20.6	21.0	21.1	21.4	21.8
8H	4H	20.7	21.0	21.1	21.4	21.9	20.9	21.2	21.3	21.6	22.1
	6H	21.0	21.3	21.4	21.7	22.2	21.0	21.3	21.5	21.7	22.2
	8H	21.1	21.3	21.5	21.8	22.3	21.1	21.3	21.5	21.8	22.3
	12H	21.1	21.3	21.6	21.8	22.3	21.1	21.3	21.6	21.8	22.3
12H	4H	20.6	21.0	21.1	21.4	21.8	20.9	21.2	21.3	21.6	22.1
	6H	21.0	21.2	21.5	21.7	22.2	21.0	21.3	21.5	21.7	22.2
	8H	21.1	21.3	21.6	21.8	22.3	21.1	21.3	21.6	21.8	22.3
Variations with the observer position at spacing:											
S =		1.0H	1.7	/ -1.2				1.7	/ -1.2		
		1.5H		3.5 / -1.6					3.5 / -1.6		
		2.0H		5.1 / -1.9					5.1 / -1.9		