

## View Opti Beam Lens round

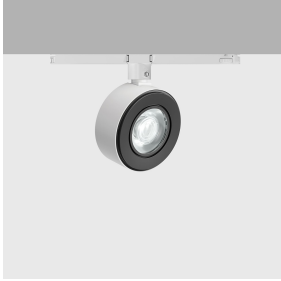
Design iGuzzini /  
Arup

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Last information update: March 2025

### Product configuration: 444B

444B: round small body spotlight - wide flood



### Product code

444B: round small 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)

1.02

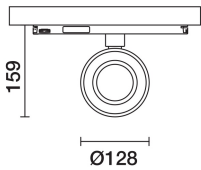
### Mounting

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

lm system:	1675	MacAdam Step:	2
W system:	20.5	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
lm source:	2020	Lamp code:	LED
W source:	18	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	81.7	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.) [%]:	83	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

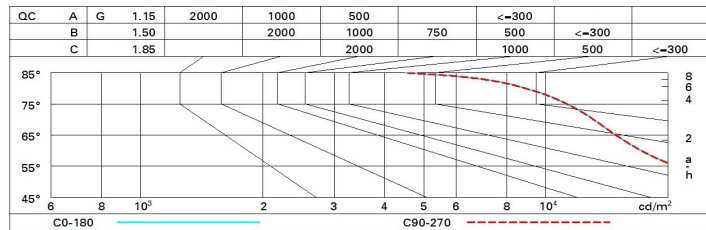
### Polar

	Imax=2524 cd	<b>CIE</b> nL 0.83 91-98-100-100-83 UGR 20.9-20.8 <b>DIN</b> A.61 <b>UTE</b> 0.83A+0.00T F*1=907 F*1+F*2=977 F*1+F*2+F*3=996	<b>Lux</b>			
			h	d	Em	E <sub>max</sub>
			2	1.7	488	631
			4	3.4	122	158
			6	5.1	54	70
	8	6.8	30	39		

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	67	63	61	66	63	62	59	72
1.0	75	71	68	65	70	67	67	64	77
1.5	80	77	74	72	76	73	73	70	84
2.0	83	80	78	77	79	77	77	74	89
2.5	85	83	81	80	82	80	79	77	92
3.0	86	84	83	82	83	82	81	79	95
4.0	87	86	85	84	85	84	83	80	97
5.0	88	87	86	86	85	85	83	81	98

Luminance curve limit



UGR diagram

Corrected UGR values (at 2020 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											
x	y										
2H	2H	20.1	20.8	20.4	21.0	21.3	20.1	20.8	20.4	21.0	21.3
	3H	20.4	21.0	20.7	21.3	21.6	20.2	20.8	20.5	21.0	21.3
	4H	20.5	21.1	20.9	21.4	21.7	20.2	20.7	20.5	21.0	21.3
	6H	20.6	21.1	20.9	21.4	21.7	20.1	20.6	20.5	21.0	21.3
	8H	20.6	21.1	20.9	21.4	21.7	20.1	20.6	20.5	20.9	21.3
	12H	20.6	21.0	20.9	21.4	21.7	20.1	20.5	20.4	20.9	21.2
4H	2H	20.2	20.7	20.5	21.0	21.3	20.5	21.1	20.9	21.4	21.7
	3H	20.6	21.0	21.0	21.4	21.7	20.7	21.2	21.1	21.5	21.9
	4H	20.7	21.2	21.1	21.5	21.9	20.7	21.2	21.1	21.5	21.9
	6H	20.9	21.2	21.3	21.6	22.1	20.8	21.1	21.2	21.5	22.0
	8H	20.9	21.2	21.3	21.6	22.1	20.8	21.1	21.2	21.5	21.9
	12H	20.9	21.2	21.3	21.6	22.1	20.7	21.0	21.2	21.5	21.9
8H	4H	20.8	21.1	21.2	21.5	21.9	20.9	21.2	21.3	21.6	22.1
	6H	20.9	21.2	21.4	21.7	22.1	21.0	21.2	21.4	21.7	22.2
	8H	21.0	21.2	21.5	21.7	22.2	21.0	21.2	21.5	21.7	22.2
	12H	21.0	21.2	21.5	21.7	22.2	21.0	21.2	21.5	21.7	22.2
12H	4H	20.7	21.0	21.2	21.5	21.9	20.9	21.2	21.3	21.6	22.1
	6H	20.9	21.1	21.4	21.6	22.1	20.9	21.2	21.4	21.7	22.2
	8H	21.0	21.2	21.5	21.7	22.2	21.0	21.2	21.5	21.7	22.2
Variations with the observer position at spacing:											
S =	1.0H	2.3 / -1.9					2.3 / -1.9				
	1.5H	4.4 / -2.6					4.4 / -2.6				
	2.0H	6.2 / -3.0					6.2 / -3.0				