iGuzzini

Last information update: March 2025

Product configuration: 446B

446B: round small body spotlight - medium



Product code

446B: round small body spotlight - medium

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 Warm White tone 3000K CRI97 LEDs with OPTIBEAM LENS technology and a medium 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

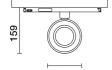
On a three-phase/DALI electrified track

Colour

Black (04) | Black / White (47)

Weight (Kg)

1.06



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

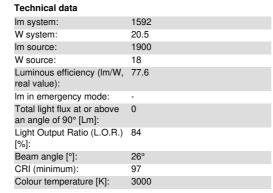












MacAdam Step: Life Time LED 1: > 50,000h - L90 - B10 (Ta 25°C) Lamp code: LFD

Number of lamps for optical assembly:

ZVEI Code: LED

Number of optical

assemblies:

Power factor: See installation instructions

Inrush current: 5 A / 50 μs

Maximum number of luminaires of this type per

B10A: 31 luminaires miniature circuit breaker: B16A: 50 luminaires

C10A: 52 luminaires C16A: 85 luminaires 4kV Common mode & 2kV Overvoltage protection:

Differential mode

DALI-2 Control:

Polar

Imax=6278 cd	Lux					
90° 180° 90°	h	d	Em	Emax		
	2	1	1263	1570		
	4	1.9	316	392		
6000	6	2.9	140	174		
α=27°	8	3.8	79	98		

UGR diagram

Rifle	rt ·										
ce il/c		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. Room dim x y		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed					6.30000		viewed		
		crosswise					endwise				
	2H	13.7	15.7	14.1	16.0	16.3	13.7	15.7	14.1	16.0	16.3
	ЗН	14.4	16.0	14.8	16.3	16.6	13.9	15.5	14.3	15.8	16.1
	4H	14.7	16.0	15.1	16.3	16.7	14.0	15.3	14.4	15.6	16.0
	бН	14.9	15.9	15.3	16.3	16.6	14.0	15.1	14.4	15.4	15.8
	HS	14.9	15.9	15.3	16.3	16.6	14.0	15.0	14.4	15.4	15.7
	12H	14.9	15.9	15.3	16.3	16.6	14.0	15.0	14.4	15.3	15.7
4H	2H	14.0	15.3	14.4	15.6	16.0	14.7	16.0	15.1	16.3	16.7
	ЗН	15.0	15.9	15.4	16.3	16.7	15.1	16.1	15.5	16.5	16.9
	4H	15.3	16.2	15.7	16.6	17.0	15.3	16.2	15.7	16.6	17.0
	6H	15.3	16.8	15.7	17.3	17.7	15.1	16.7	15.6	17.1	17.6
	HS	15.2	17.0	15.7	17.5	17.9	15.0	16.8	15.5	17.3	17.8
	12H	15.1	17.0	15.6	17.5	0.81	14.9	16.8	15.4	17.3	17.8
8Н	4H	15.0	16.8	15.5	17.3	17.8	15.2	17.0	15.7	17.5	17.9
	6H	15.3	17.0	15.8	17.5	18.0	15.3	17.0	15.8	17.5	18.1
	HS	15.4	16.9	15.9	17.4	18.0	15.4	16.9	15.9	17.4	18.0
	12H	15.6	16.6	16.1	17.1	17.7	15.6	16.6	16.1	17.1	17.7
12H	4H	14.9	16.8	15.4	17.3	17.8	15.1	17.0	15.6	17.5	18.0
	бН	15.3	16.8	15.8	17.3	17.9	15.4	16.9	15.9	17.4	17.9
	HS	15.6	16.6	16.1	17.1	17.7	15.6	16.6	16.1	17.1	17.7
Varia	tions wi	th the ot	serverp	osition	at spacin	ıg:	400				
S =	1.0H		1	.1 / -0.	.7			1	.1 / -0.	.7	
	1.5H		2	.4 / -1.	2			2	.4 / -1.	2	
	2.0H		3	.7 / -1.	6			3	3.7 / -1.	.6	