Design RPBW Design

iGuzzini

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spotlight- warm white - 50° optic

#### Product code

P038

#### Technical description

Adjustable spotlight with adapter for installation on a mains voltage track. Die-cast aluminium optical assembly and brackets, the back of the product is slightly rounded and made of a thermoplastic material. 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. Equipped with electronic ballast. Luminaire complete with C.O.B. technology LED unit in warm white colour 3000K. Option of installing a flat accessory that can be either an eliptical distribution refractor, a soft lens filter or a louver.

#### Installation

on an electrified track or special base

#### Dimension (mm)

Ø92x185

White (01) | Black (04) | White/Chrome (E4)

#### Weight (Kg)

0.95

### Mounting

three circuit track

# Wiring

product complete with electronic components

Complies with EN60598-1 and pertinent regulations





for optical assembly











### Product configuration: P038

## **Product characteristics**

Total lighting output [Lm]: 1657.5 Total power [W]: 15.4

Luminous efficacy [Lm/W]: 107.7

Life Time: > 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0

Emergency luminous flux [Lm]: / Voltage [V]:

Number of optical assemblies: 1

# Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 79

Lamp code: LED ZVEI Code: LED Nominal power [W]: 13 Nominal luminous [Lm]: 2100 Lamp maximum intensity [cd]: / Beam angle [°]: 56°

Number of lamps for optical assembly: 1

Socket: /

Ballast losses [W]: 2.4 Colour temperature [K]: 3000

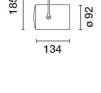
CRI: 80

Wavelength [Nm]: / MacAdam Step: 2

# Polar

lmax=2131 cd	CIE	Lux			
90° 180° 90°	nL 0.79 98-100-100-100-79	h	d	Em	Emax
	UGR 17.6-17.6 DIN A.61 UTE	2	2.1	422	528
	0.79A+0.00T F"1=975	4	4.3	106	132
2000	F"1+F"2=997 F"1+F"2+F"3=1000 CIBSE	6	6.4	47	59
α=56°	BZ1	8	8.5	26	33





### **Utilisation factors**

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	67	64	62	66	63	63	61	77
1.0	74	70	68	66	69	67	67	64	81
1.5	78	75	73	71	74	72	72	69	88
2.0	80	78	77	75	77	76	75	73	92
2.5	82	80	79	78	79	78	77	75	95
3.0	83	82	81	80	80	80	79	77	97
4.0	84	83	82	82	82	81	80	78	99
5.0	84	84	83	83	82	82	81	79	100

# Luminance curve limit

C0-18	0				_				C90-270						
45° 10²	2	3	4	5	6	8	10 <sup>3</sup>		2 3	4	5	6	8	10 <sup>4</sup>	cd/m²
55°						1				7	-	-	S		
35°									1					_	2
								/11					_	-	
75°									$\Box$						4
35°				Ť		T			T	TT	$\equiv$	_	T	I	= 8
С	1.8	5				_		2000	,		100	00		500	<=300
В	1.5	0			2	000		1000	750		50	0		<=300	
C A	G 1.1	5	2000		11	000		500			<-3	00			

			(65) 100 000	S ACCOUNT	o iomp io	eu oni mu	IIUX/				
Rifled	et.:										
ceil/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		viewed							viewed		
x	У		(	crosswis	e	endwise					
2H	2H	18.1	18.8	18.4	19.0	19.2	18.1	18.8	18.4	19.0	19.2
	ЗН	18.0	18.6	18.3	18.8	19.1	18.0	18.6	18.3	18.8	19.
	4H	18.0	18.5	18.3	18.8	19.1	17.9	18.5	18.3	18.7	19.
	бН	17.9	18.3	18.2	18.7	19.0	17.9	18.3	18.2	18.6	19.
	HS	17.8	18.3	18.2	18.6	19.0	17.8	18.3	18.2	18.6	18.
	12H	17.8	18.2	18.2	18.6	18.9	17.8	18.2	18.2	18.6	18.
4H	2H	17.9	18.5	18.3	18.7	19.0	18.0	18.5	18.3	18.8	19.
	3H	17.8	18.2	18.2	18.6	18.9	17.8	18.2	18.2	18.6	18.9
	4H	17.7	18.1	18.1	18.5	18.9	17.7	18.1	18.1	18.5	18.
	бН	17.6	18.0	18.1	18.4	18.8	17.6	18.0	18.1	18.4	18.
	HS	17.6	17.9	18.0	18.3	18.8	17.6	17.9	18.0	18.3	18.
	12H	17.6	17.8	18.0	18.3	18.7	17.6	17.8	18.0	18.3	18.
вн	4H	17.6	17.9	18.0	18.3	18.8	17.6	17.9	18.0	18.3	18.
	6H	17.5	17.8	18.0	18.2	18.7	17.5	17.8	18.0	18.2	18.
	HS	17.5	17.7	18.0	18.1	18.6	17.5	17.7	18.0	18.1	18.
	12H	17.4	17.6	17.9	18.1	18.6	17.4	17.6	17.9	18.1	18.
12H	4H	17.6	17.8	18.0	18.3	18.7	17.6	17.8	18.0	18.3	18.
	бН	17.5	17.7	17.9	18.1	18.6	17.5	17.7	18.0	18.1	18.
	HS	17.4	17.6	17.9	18.1	18.6	17.4	17.6	17.9	18.1	18.
Varia		th the ob	serverp	noitien	at spacin	ig:					
S =	1.0H			6 / -11		5.6 / -11.9					
	1.5H 2.0H		8.	4 / -13	.1	8.4 / -13.1					