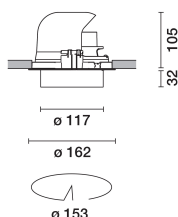


Last information update: August 2025

Product configuration: RN37

RN37: Adjustable recessed spotlight - body Ø117 - Wide Flood optic



Product code

RN37: Adjustable recessed spotlight - body Ø117 - Wide Flood optic

Technical description

Adjustable spotlight for recessed installation. Load-bearing structure with contact frame and die-cast aluminium, adjustable lighting body. Steel wire fixing springs. Coupling and rotation element in high resistance plastic, designed as a stylish internal cover and a practical recessed mounting. Available rotation: 359° - Adjustability: +60° (external) -20° (internal). Optical assembly featuring an LED lamp with a high color rendering index. The anti-scratch reflector made of P.V.D (Physical Vapour Deposition) aluminium provides optimum performance levels in terms of yield and efficiency. Supplied with a dimmable DALI power supply unit connected to the luminaire. Possibility of installing a flat frontal accessory - glass cover or an elliptical distribution refractor. Interchangeable spotlights in all openings available as accessories.

Installation

Recessed in false ceiling - fixed via steel wire springs for thicknesses from 1 to 25 mm.

Colour
White (01) | Black (04)

Weight (Kg)
1

Mounting
ceiling recessed

Wiring
Direct power line connection via the terminals on the power supply unit included.

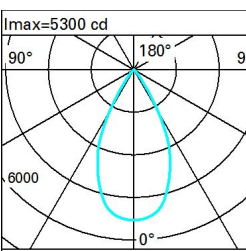
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	3629	CRI (minimum):	90
W system:	28.3	Colour temperature [K]:	4000
Im source:	3820	MacAdam Step:	2
W source:	25	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	128.2	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	95	Number of optical assemblies:	1
Beam angle [°]:	52°	Control:	DALI-2

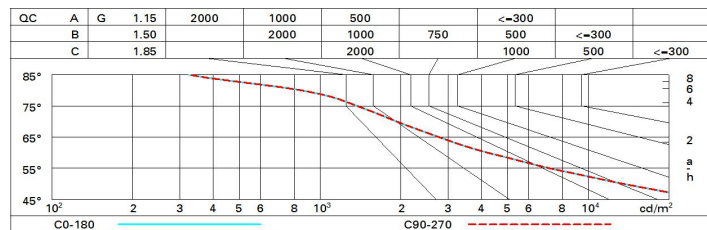
Polar

Imax=5300 cd		CIE		Lux			
 <p>90° 180° 90°</p> <p>6000</p> <p>0°</p> <p>α=52°</p>		nL 0.95		h	d	Em	Emax
		97-100-100-100-95					
		UGR 18.4-18.4					
		DIN		2	2	1012	1325
		A.61					
		UTE		4	3.9	253	331
0.95A+0.00T							
F*1=969		6	5.9	112	147		
F*1+F*2=997							
F*1+F*2+F*3=1000		8	7.8	63	83		
CIBSE							
LG3 L<3000 cd/m² at 65°							
UGR<19 L<3000 cd/mq @65°							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	85	80	76	74	79	76	76	72	76
1.0	88	84	81	79	83	81	80	77	81
1.5	93	90	88	86	89	87	86	83	87
2.0	96	94	92	91	93	91	90	87	92
2.5	98	96	95	94	95	94	93	90	95
3.0	99	98	97	96	97	96	94	92	97
4.0	101	100	99	98	98	97	96	94	99
5.0	101	101	100	100	99	98	97	95	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 3820 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	18.9	19.5	19.2	19.8	20.0	18.9	19.5	19.2	19.8	20.0
	3H	18.8	19.4	19.1	19.6	19.9	18.8	19.4	19.1	19.6	19.9
	4H	18.8	19.3	19.1	19.5	19.8	18.8	19.3	19.1	19.5	19.8
	6H	18.7	19.1	19.0	19.5	19.8	18.7	19.1	19.0	19.5	19.8
	8H	18.6	19.1	19.0	19.4	19.8	18.6	19.1	19.0	19.4	19.7
	12H	18.6	19.0	19.0	19.4	19.7	18.6	19.0	19.0	19.4	19.7
4H	2H	18.8	19.3	19.1	19.5	19.8	18.8	19.3	19.1	19.5	19.8
	3H	18.6	19.0	19.0	19.4	19.7	18.6	19.0	19.0	19.4	19.7
	4H	18.5	18.9	18.9	19.3	19.7	18.5	18.9	18.9	19.3	19.7
	6H	18.4	18.8	18.9	19.2	19.6	18.4	18.8	18.9	19.2	19.6
	8H	18.4	18.7	18.8	19.1	19.6	18.4	18.7	18.8	19.1	19.6
	12H	18.4	18.6	18.8	19.1	19.5	18.3	18.6	18.8	19.1	19.5
8H	4H	18.4	18.7	18.8	19.1	19.6	18.4	18.7	18.8	19.1	19.6
	6H	18.3	18.6	18.8	19.0	19.5	18.3	18.6	18.8	19.0	19.5
	8H	18.3	18.5	18.7	18.9	19.4	18.3	18.5	18.7	18.9	19.4
	12H	18.2	18.4	18.7	18.9	19.4	18.2	18.4	18.7	18.9	19.4
12H	4H	18.3	18.6	18.8	19.1	19.5	18.4	18.6	18.8	19.1	19.5
	6H	18.3	18.5	18.7	18.9	19.4	18.3	18.5	18.7	18.9	19.4
	8H	18.2	18.4	18.7	18.9	19.4	18.2	18.4	18.7	18.9	19.4
Variations with the observer position at spacing:											
S =	1.0H	5.5 / -10.6					5.5 / -10.6				
	1.5H	8.3 / -13.6					8.3 / -13.6				
	2.0H	10.3 / -15.0					10.3 / -15.0				