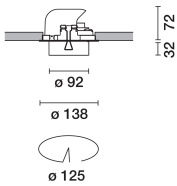


Last information update: January 2025

**Product configuration: RN03.01**

RN03.01: Adjustable recessed spotlight - body Ø92 - High Output - Medium optic - 27.6W 2925lm - 4000K - CRI 90 - White



**Product code**

RN03.01: Adjustable recessed spotlight - body Ø92 - High Output - Medium optic - 27.6W 2925lm - 4000K - CRI 90 - White

**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 high color rendering index and optimum flux yield performance. The anti-scratch reflector made of P.V.D (Physical Vapour Deposition) aluminium provides optimum performance levels in terms of yield. 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)

**Weight (Kg)**

0.69

**Mounting**

ceiling recessed

**Wiring**

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

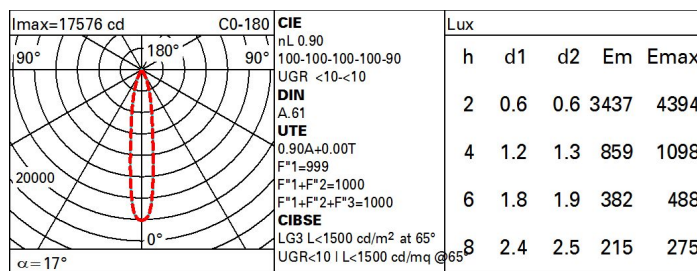
Complies with EN60598-1 and pertinent regulations



**Technical data**

lm system:	2925	CRI (minimum):	90
W system:	27.6	Colour temperature [K]:	4000
lm source:	3250	MacAdam Step:	2
W source:	24	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	106	Lamp code:	LED
lm 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.) [%]:	90	Number of optical assemblies:	1
Beam angle [°]:	17°	Control:	DALI-2

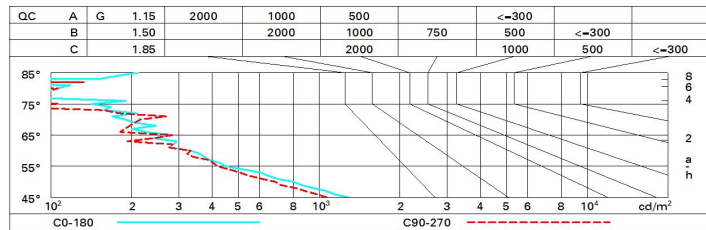
**Polar**



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	81	77	74	72	76	74	73	71	78
1.0	85	81	78	76	80	78	77	75	83
1.5	89	86	84	82	85	83	82	80	89
2.0	92	90	88	87	88	87	86	84	93
2.5	93	92	91	90	91	90	89	86	96
3.0	95	94	93	92	92	91	90	88	98
4.0	96	95	94	94	93	93	92	89	99
5.0	96	96	95	95	94	94	92	90	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 3250 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	5.0	7.1	5.4	7.4	7.8	4.8	6.9	5.1	7.2	7.5
	3H	4.8	6.4	5.2	6.8	7.1	4.6	6.2	5.0	6.5	6.9
	4H	4.8	6.1	5.2	6.4	6.8	4.5	5.9	4.9	6.2	6.6
	6H	4.7	5.8	5.1	6.1	6.5	4.5	5.5	4.9	5.9	6.2
	8H	4.7	5.7	5.1	6.1	6.4	4.4	5.5	4.8	5.8	6.2
12H	4.6	5.7	5.0	6.0	6.4	4.4	5.4	4.8	5.8	6.2	
4H	2H	4.8	6.1	5.2	6.4	6.8	4.5	5.9	4.9	6.2	6.6
	3H	4.6	5.7	5.0	6.0	6.4	4.4	5.5	4.8	5.8	6.2
	4H	4.5	5.6	4.9	6.0	6.4	4.3	5.3	4.7	5.7	6.1
	6H	4.1	5.9	4.6	6.3	6.8	3.9	5.6	4.4	6.1	6.5
	8H	4.0	5.9	4.5	6.4	6.9	3.8	5.7	4.3	6.2	6.7
12H	3.9	5.9	4.4	6.4	6.9	3.7	5.7	4.2	6.1	6.7	
8H	4H	4.0	5.9	4.5	6.4	6.9	3.8	5.7	4.3	6.2	6.7
	6H	3.9	5.7	4.4	6.2	6.7	3.7	5.5	4.2	6.0	6.5
	8H	3.9	5.5	4.4	6.0	6.5	3.7	5.2	4.2	5.7	6.3
	12H	4.1	5.0	4.6	5.5	6.0	3.8	4.8	4.4	5.3	5.8
12H	4H	3.9	5.9	4.4	6.4	6.9	3.7	5.7	4.2	6.1	6.7
	6H	3.9	5.5	4.4	6.0	6.5	3.7	5.2	4.2	5.7	6.3
	8H	4.1	5.0	4.6	5.5	6.0	3.8	4.8	4.4	5.3	5.8
Variations with the observer position at spacing:											
S =	1.0H	7.1 / -17.3					7.1 / -17.1				
	1.5H	10.0 / -18.8					10.0 / -19.0				
	2.0H	11.9 / -19.8					12.0 / -19.6				