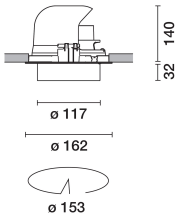


Last information update: December 2024

**Product configuration: RN71**

RN71: Adjustable recessed spotlight - body Ø117 - Flood optic Food: Bakery and pasta products



**Product code**

RN71: Adjustable recessed spotlight - body Ø117 - Flood optic Food: Bakery and pasta products

**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 - a specific, calibrated colour tone for highlighting bakery and pasta products. 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 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.

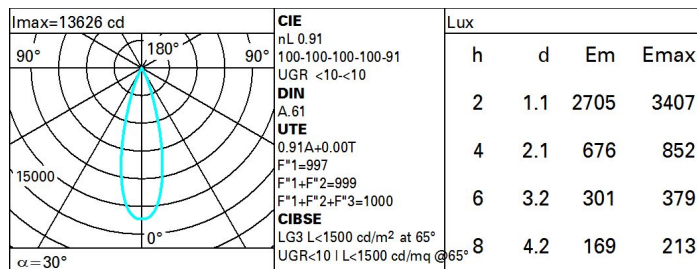
Complies with EN60598-1 and pertinent regulations



**Technical data**

lm system:	3549	Colour temperature [K]:	2700
W system:	40	MacAdam Step:	3
lm source:	3900	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	34	Lamp code:	LED
Luminous efficiency (lm/W, real value):	88.7	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	91	Power factor:	See installation instructions
Beam angle [°]:	30°	Control:	On/off
CRI (minimum):	90		

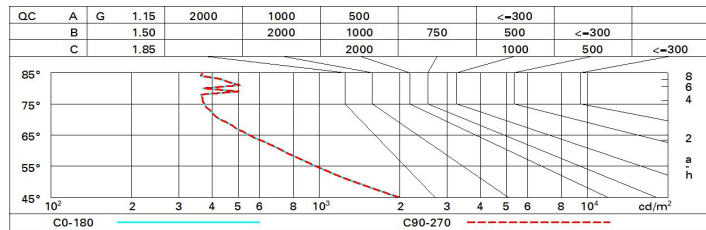
**Polar**



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	82	78	75	73	77	75	74	71	78
1.0	86	82	79	77	81	79	78	75	83
1.5	90	87	85	83	86	84	83	81	89
2.0	93	91	89	88	89	88	87	85	93
2.5	94	93	92	91	92	90	90	87	96
3.0	96	95	94	93	93	92	91	89	98
4.0	97	96	95	95	94	94	93	90	99
5.0	97	97	96	96	95	95	93	91	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 3900 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	-1.8	0.4	-1.4	0.7	1.0	-1.8	0.4	-1.4	0.7	1.0
	3H	-1.8	-0.1	-1.4	0.3	0.6	-1.9	-0.1	-1.5	0.2	0.6
	4H	-1.8	-0.3	-1.4	0.0	0.4	-1.9	-0.4	-1.5	-0.1	0.2
	6H	-1.7	-0.6	-1.3	-0.3	0.1	-1.9	-0.8	-1.5	-0.5	-0.1
	8H	-1.7	-0.6	-1.3	-0.3	0.1	-1.9	-0.9	-1.5	-0.5	-0.2
	12H	-1.7	-0.7	-1.3	-0.3	0.1	-2.0	-1.0	-1.6	-0.6	-0.2
4H	2H	-1.9	-0.4	-1.5	-0.1	0.2	-1.8	-0.3	-1.4	0.0	0.4
	3H	-1.7	-0.7	-1.3	-0.3	0.0	-1.7	-0.7	-1.3	-0.3	0.1
	4H	-1.7	-0.8	-1.3	-0.4	0.0	-1.7	-0.8	-1.3	-0.4	0.0
	6H	-1.9	-0.2	-1.5	0.2	0.7	-2.0	-0.3	-1.6	0.1	0.6
	8H	-2.0	-0.0	-1.5	0.4	0.9	-2.2	-0.2	-1.7	0.2	0.7
	12H	-2.0	-0.0	-1.5	0.5	1.0	-2.3	-0.2	-1.7	0.2	0.8
8H	4H	-2.2	-0.2	-1.7	0.2	0.7	-2.0	-0.0	-1.5	0.4	0.9
	6H	-2.1	-0.2	-1.5	0.3	0.8	-2.0	-0.1	-1.5	0.4	0.9
	8H	-1.9	-0.3	-1.4	0.2	0.8	-1.9	-0.3	-1.4	0.2	0.8
	12H	-1.7	-0.6	-1.2	-0.1	0.5	-1.7	-0.6	-1.2	-0.1	0.4
12H	4H	-2.3	-0.2	-1.7	0.2	0.8	-2.0	-0.0	-1.5	0.5	1.0
	6H	-2.0	-0.4	-1.5	0.1	0.7	-1.9	-0.2	-1.4	0.3	0.8
	8H	-1.7	-0.6	-1.2	-0.1	0.4	-1.7	-0.6	-1.2	-0.1	0.5
Variations with the observer position at spacing:											
S =	1.0H	3.7 / -2.7					3.7 / -2.7				
	1.5H	6.1 / -3.6					6.1 / -3.6				
	2.0H	8.0 / -4.2					8.0 / -4.2				