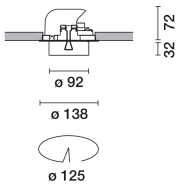## Tecnica Evo

Design iGuzzini **iGuzzini**

Last information update: January 2025

Product configuration: RN00.01
RN00.01: Adjustable recessed spotlight - body Ø92 - High Output - Medium optic - 27.6W 2745lm - 3000K - CRI 90 - White

Product code
RN00.01: Adjustable recessed spotlight - body Ø92 - High Output - Medium optic - 27.6W 2745lm - 3000K - 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	Weight (Kg)
White (01)	0.69

Mounting
ceiling recessed

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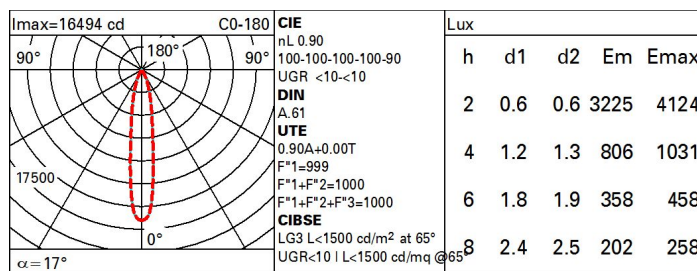Direct power line connection via the terminals on the power supply unit included.

Complies with EN60598-1 and pertinent regulations

ø 92
ø 138
ø 125
32 72

IP20 CE UKCA

Technical data

lm system:	2745	CRI (minimum):	90
W system:	27.6	Colour temperature [K]:	3000
lm source:	3050	MacAdam Step:	2
W source:	24	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	99.5	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

Imax=16494 cd   C0-180

Imax=16494 cd
90° 180° 90°
17500
0°
α=17°

CIE
nL 0.90
100-100-100-100-90
UGR <10-<10
DIN
A.61
UTE
0.90A+0.00T
F"1=999
F"1+F"2=1000
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<10 | L<1500 cd/mq @65°

Lux				
h	d1	d2	Em	Emax
2	0.6	0.6	3225	4124
4	1.2	1.3	806	1031
6	1.8	1.9	358	458
8	2.4	2.5	202	258

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

QC	A	G	1.15	2000	1000	500		<=300			
	B		1.50		2000	1000	750	500	<=300		
	C		1.85			2000		1000	500	<=300	

C0-180   C90-270
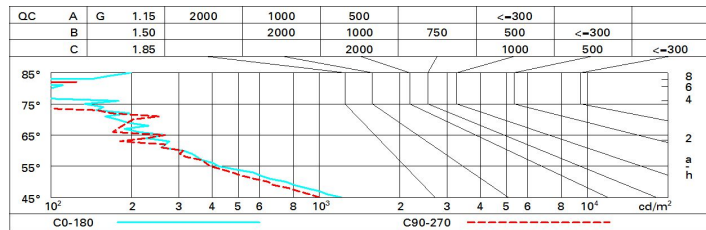
UGR diagram

Corrected UGR values (at 3050 lm bare lamp luminous flux)

Riflect.:											
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 crosswise					viewed endwise				
x	y										
2H	2H	4.8	6.9	5.1	7.2	7.5	4.5	6.7	4.9	7.0	7.3
	3H	4.6	6.2	5.0	6.6	6.9	4.4	6.0	4.8	6.3	6.7
	4H	4.6	5.9	4.9	6.2	6.6	4.3	5.7	4.7	6.0	6.3
	6H	4.5	5.6	4.9	5.9	6.2	4.3	5.3	4.7	5.7	6.0
	8H	4.5	5.5	4.9	5.9	6.2	4.2	5.3	4.6	5.6	6.0
	12H	4.4	5.5	4.8	5.8	6.2	4.2	5.2	4.6	5.6	6.0
4H	2H	4.6	5.9	4.9	6.2	6.6	4.3	5.7	4.7	6.0	6.3
	3H	4.4	5.5	4.8	5.8	6.2	4.2	5.2	4.6	5.6	6.0
	4H	4.3	5.3	4.7	5.7	6.2	4.0	5.1	4.5	5.5	5.9
	6H	3.9	5.6	4.4	6.1	6.6	3.7	5.4	4.2	5.9	6.3
	8H	3.8	5.7	4.3	6.2	6.7	3.6	5.5	4.1	5.9	6.4
	12H	3.7	5.7	4.2	6.1	6.7	3.5	5.4	4.0	5.9	6.4
8H	4H	3.8	5.7	4.3	6.2	6.7	3.6	5.5	4.1	5.9	6.4
	6H	3.7	5.5	4.2	6.0	6.5	3.4	5.2	4.0	5.7	6.3
	8H	3.7	5.2	4.2	5.7	6.3	3.4	5.0	4.0	5.5	6.0
	12H	3.8	4.8	4.4	5.3	5.8	3.6	4.6	4.1	5.1	5.6
12H	4H	3.7	5.7	4.2	6.1	6.7	3.5	5.4	4.0	5.9	6.4
	6H	3.7	5.2	4.2	5.7	6.3	3.4	5.0	4.0	5.5	6.0
	8H	3.8	4.8	4.4	5.3	5.8	3.6	4.6	4.1	5.1	5.6

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