Tecnica Evo

Last information update: December 2024

Product configuration: RN72
RN72: Adjustable recessed spotlight - body Ø117 - Flood optic Food: Fish counter

Product code
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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 fish and seafood 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.

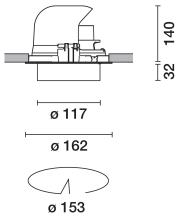| Colour	Weight (Kg)
White (01) | Black (04)	1

Mounting
ceiling recessed

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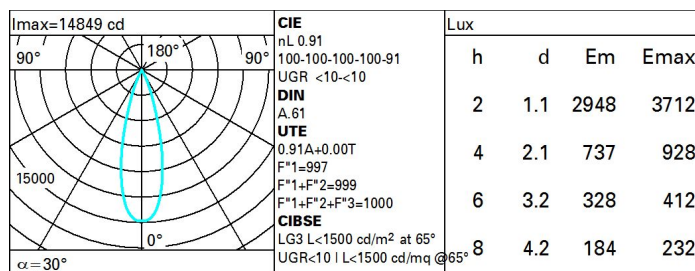Direct power line connection via the terminals on the power supply unit included.

Complies with EN60598-1 and pertinent regulations

IP20   CE   UKCA

Technical data

lm system:	3868	Colour temperature [K]:	6500
W system:	40	MacAdam Step:	3
lm source:	4250	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	34	Lamp code:	LED
Luminous efficiency (lm/W, real value):	96.7	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

Imax=14849 cd

CIE
nL 0.91
100-100-100-100-91
UGR <10-<10
DIN
A.61
UTE
0.91A+0.00T
F"1=997
F"1+F"2=999
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<10 I L<1500 cd/mq @65°

α=30°

Lux			
h	d	Em	Emax
2	1.1	2948	3712
4	2.1	737	928
6	3.2	328	412
8	4.2	184	232

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

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 - - - - - - - - - - -
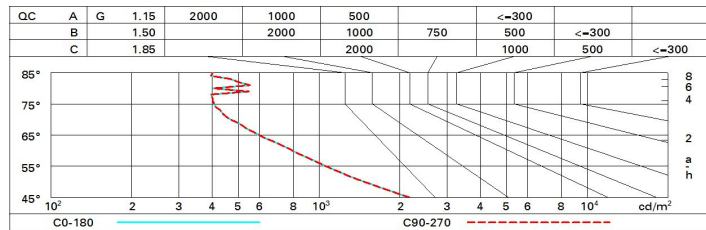
UGR diagram

Corrected UGR values (at 4250 lm bare lamp luminous flux)

Riflect.: ceil/cav	walls	work pl.	0.70 / 0.50 / 0.20	0.70 / 0.30 / 0.20	0.50 / 0.50 / 0.20	0.50 / 0.30 / 0.20	0.30 / 0.30 / 0.20	0.70 / 0.50 / 0.20	0.70 / 0.30 / 0.20	0.50 / 0.50 / 0.20	0.50 / 0.30 / 0.20	0.30 / 0.30 / 0.20

Room dim x	y	viewed crosswise					viewed endwise				
2H	2H	-1.5	0.7	-1.1	1.0	1.3	-1.5	0.7	-1.1	1.0	1.3
	3H	-1.5	0.2	-1.1	0.6	0.9	-1.6	0.2	-1.2	0.5	0.9
	4H	-1.5	-0.0	-1.1	0.3	0.7	-1.6	-0.1	-1.2	0.2	0.5
	6H	-1.4	-0.3	-1.0	0.0	0.4	-1.6	-0.5	-1.2	-0.2	0.2
	8H	-1.4	-0.3	-1.0	0.0	0.4	-1.6	-0.6	-1.2	-0.2	0.1
	12H	-1.4	-0.4	-1.0	-0.0	0.4	-1.7	-0.7	-1.3	-0.3	0.1
4H	2H	-1.6	-0.1	-1.2	0.2	0.5	-1.5	-0.0	-1.1	0.3	0.7
	3H	-1.4	-0.4	-1.0	-0.1	0.3	-1.4	-0.4	-1.0	-0.0	0.4
	4H	-1.4	-0.5	-1.0	-0.1	0.3	-1.4	-0.5	-1.0	-0.1	0.3
	6H	-1.6	0.1	-1.2	0.5	1.0	-1.7	-0.0	-1.3	0.4	0.9
	8H	-1.7	0.3	-1.2	0.7	1.2	-1.9	0.1	-1.4	0.5	1.0
	12H	-1.7	0.3	-1.2	0.8	1.3	-2.0	0.1	-1.4	0.5	1.1
8H	4H	-1.9	0.1	-1.4	0.5	1.0	-1.7	0.3	-1.2	0.7	1.2
	6H	-1.8	0.1	-1.2	0.6	1.1	-1.7	0.2	-1.2	0.7	1.2
	8H	-1.6	0.0	-1.1	0.5	1.1	-1.6	0.0	-1.1	0.5	1.1
	12H	-1.4	-0.3	-0.9	0.2	0.8	-1.4	-0.3	-0.9	0.2	0.7
12H	4H	-2.0	0.1	-1.4	0.5	1.1	-1.7	0.3	-1.2	0.8	1.3
	6H	-1.7	-0.1	-1.2	0.4	1.0	-1.6	0.1	-1.1	0.6	1.1
	8H	-1.4	-0.3	-0.9	0.2	0.7	-1.4	-0.3	-0.9	0.2	0.8

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