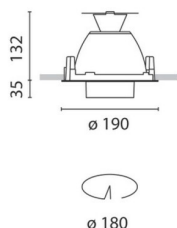# Tecnica Pro

Last information update: May 2018

Recessed DALI extractable-control gear

Product code
MK92

Technical description
Die-cast aluminium and thermoplastic material, recessed luminaire complete with C.O.B technology LED lamp in a 4000K neutral white colour tone. Luminaire with spot optic complete with high level light output and uniform distribution OPTIBEAM reflector. The product permits an internal rotation around the 335° vertical axis and the 65° horizontal plane with continuous friction (only on this rotation). Product complete with a DALI driver separate from the luminaire.

Installation
Recessed in false ceilings, with thicknesses starting from between 1 mm and 20 mm, using special steel torsion springs and hinged brackets.

Dimension (mm)
Ø190x132

Colour
White (01)

Weight (Kg)
1.46

Mounting
ceiling recessed

Wiring
product complete with DALI components

Notes
For compliance with the NFC 20-455 standard use an optional filter code MW57 for each optical assembly

Complies with EN60598-1 and pertinent regulations

Product configuration: MK92

Product characteristics

Total lighting output [Lm]: 2250	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 25.1	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 89.6	Voltage [V]: -
Life Time: > 50,000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 75	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 3.1
Nominal power [W]: 22	Colour temperature [K]: 4000
Nominal luminous [Lm]: 3000	CRI: 80
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 16°	MacAdam Step: 2

Polar

Imax=9077 cd				Lux				
90°	180°	90°		h	d	Em	Emax
9000				2	0.6	1759	2269
				4	1.1	440	567
	0°			6	1.7	195	252
α=16°				8	2.2	110	142
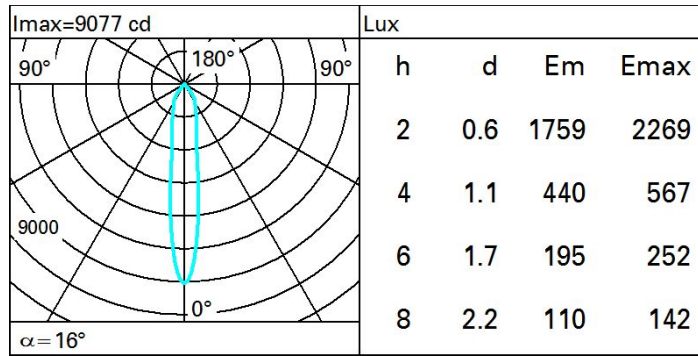
Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	63	60	58	62	60	59	57	76
1.0	70	66	64	62	65	63	63	60	80
1.5	73	71	69	67	70	68	68	65	87
2.0	76	74	72	71	73	72	71	69	91
2.5	77	76	75	74	75	74	73	71	94
3.0	78	77	76	76	76	75	74	72	97
4.0	79	78	78	77	77	77	76	74	98
5.0	80	79	79	78	78	78	76	74	99

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