Pixel Pro

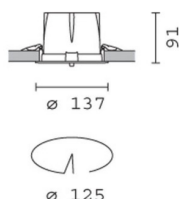**Design Iosa Ghini**   **iGuzzini**

Last information update: June 2018

recessed luminaire Ø 137 - warm white passive dissipation integrated electronic control gear - medium

Product code
MD94

Technical description
recessed adjustable removable luminaire for LED lamp with passive heat dissipation system. Structure with die-cast aluminium frame and main body; shaped surface with high level radiant effect for effectively reducing the temperature and keeping the long-term LED lamp performance unchanged. Steel rotation hinge, chrome-plated aluminium body closing ring. Reflector with high efficiency super-pure aluminium optic - medium beam angle. Body adjusted using manually operated device: internal 30° - external 75° - rotation about axis 355°. Supplied with electronic control gear connected to the luminaire. Warm white high efficiency LED

Installation
recessed using special steel springs in false ceilings with thicknesses starting at 1 mm; preparation hole Ø 125

Dimension (mm)
Ø137x91

Colour
White/Aluminium (39) | Grey/Aluminium (78)

Weight (Kg)
1.01

Mounting
ceiling recessed

Wiring
on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations

IP20

Product configuration: MD94

Product characteristics

Total lighting output [Lm]: 1580	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 15.9	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 99.4	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.) [%]: 79	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 2.9
Nominal power [W]: 13	Colour temperature [K]: 3000
Nominal luminous [Lm]: 2000	CRI: 80
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 22°	MacAdam Step: 2

Polar

Imax=5315 cd					Lux				

α=22°

h	d	Em	Emax
2	0.8	1050	1329
4	1.6	262	332
6	2.3	117	148
8	3.1	66	83
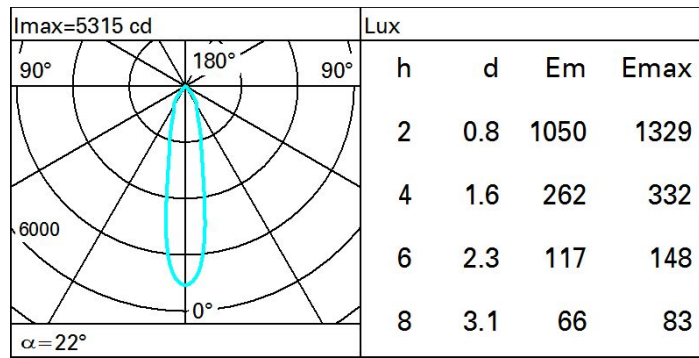
Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	66	63	61	65	62	62	59	75
1.0	73	70	67	65	69	66	66	63	80
1.5	77	75	72	71	74	72	71	68	87
2.0	80	78	76	75	77	75	74	72	91
2.5	81	80	79	78	79	78	77	75	94
3.0	82	81	80	80	80	79	78	76	96
4.0	84	83	82	81	81	81	80	78	98
5.0	84	83	83	83	82	82	80	78	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 —————— C90-270 - - - - - - - - -