## Pixel Pro

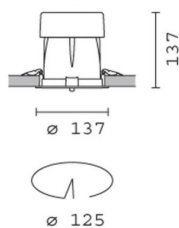**Design Iosa Ghini**                                       **iGuzzini**

Last information update: April 2024

**Product configuration: MD98+LED**
MD98: recessed luminaire Ø 137 - neutral white active dissipation integrated electronic control gear - flood

**Product code**
MD98: recessed luminaire Ø 137 - neutral white active dissipation integrated electronic control gear - flood **Attention! Code no longer in production**

**Technical description**
recessed adjustable removable luminaire for LED lamp with active heat dissipation system. Structure with die-cast aluminium frame and main body, steel rotation hinge, chrome-plated aluminium body closing ring. Forced heat dissipation using super-silent fan with magnetic anti-friction operation guaranteeing lasting efficiency and quietness, keeping LED lamp performance unchanged. The fan has an anti-dust protection system; safety thermal breaker and is set up for fast, easy replacement. Reflector with high efficiency super-pure aluminium optic -flood 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. Neutral white high efficiency LED

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

**Colour**
White / Aluminium (39) | Grey/Aluminium (78)
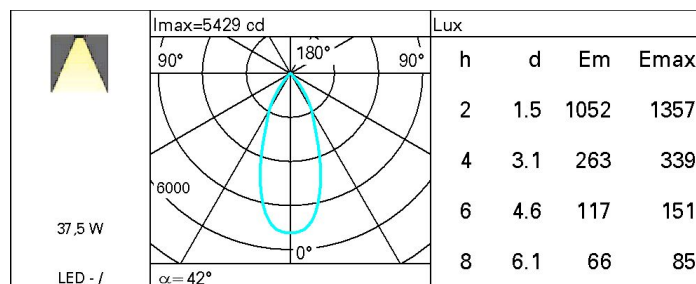
**Mounting**
ceiling recessed

**Wiring**
on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations

IP20   CE

### Technical data

| | | | |
|---|---|---|---|
| lm system: | 3156,4 | CRI: | 80 |
| W system: | 37,5 | Colour temperature [K]: | 4000 |
| lm source: | 4000 | MacAdam Step: | 3 |
| W source: | 32 | Life Time LED 1: | 50.000h - L80 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 84,2 | 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.) [%]: | 79 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 42° | | |

### Polar

| h | d | Em | Emax |
|---|---|---|---|
| 2 | 1.5 | 1052 | 1357 |
| 4 | 3.1 | 263 | 339 |
| 6 | 4.6 | 117 | 151 |
| 8 | 6.1 | 66 | 85 |

Imax=5429 cd

37,5 W

LED - /  α=42°

**Utilisation factors**

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|-----|----|----|----|----|----|----|----|----|-----|
| K0.8 | 70 | 66 | 64 | 61 | 66 | 63 | 63 | 60 | 76 |
| 1.0 | 73 | 70 | 67 | 66 | 69 | 67 | 67 | 64 | 81 |
| 1.5 | 77 | 75 | 73 | 71 | 74 | 72 | 71 | 69 | 87 |
| 2.0 | 80 | 78 | 77 | 75 | 77 | 76 | 75 | 72 | 92 |
| 2.5 | 82 | 80 | 79 | 78 | 79 | 78 | 77 | 75 | 95 |
| 3.0 | 83 | 82 | 81 | 80 | 80 | 79 | 78 | 76 | 97 |
| 4.0 | 84 | 83 | 82 | 82 | 81 | 81 | 80 | 78 | 99 |
| 5.0 | 84 | 84 | 83 | 83 | 82 | 82 | 80 | 79 | 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