Pixel Plus

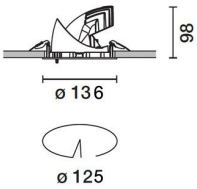
Design iGuzzini **iGuzzini**

Last information update: June 2018

extractable, adjustable, recessed LED luminaire - DALI control gear included

Product code
N379

Technical description
Extractable, adjustable, recessed luminaire for neutral white LED lamp. Passive heat dispersion system. Die-cast aluminium main body and frame; stainless steel rotation hinge. Rotation ring with safety cover in a high resistance thermoplastic material. Body adjusted with a manual manoeuvre device: internal 40° - external 65° - rotation on 355° axis. Reflector with high efficiency super-pure aluminium optic - flood beam angle. Die-cast aluminium lamp body closure ring. Tempered transparent glass screen. Dimmerable DALI control gear supplied and connected to the luminaire.



Installation
recessed using steel springs in false ceilings with thicknesses starting at 1 mm

Dimension (mm)
Ø136x98

Colour
White (01)

Weight (Kg)
0.85

Mounting
ceiling recessed

Wiring
on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations

IP20 IP23 On the visible part of the product once installed

Product configuration: N379

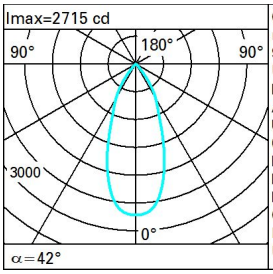
Product characteristics

Total lighting output [Lm]: 1578	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 15.3	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 103.2	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]: 3.3
Nominal power [W]: 12	Colour temperature [K]: 4000
Nominal luminous [Lm]: 2000	CRI: 80
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 42°	MacAdam Step: 2

Polar



CIE
nL 0.79
97-100-100-100-79
UGR 18.8-18.8
DIN
A.61
UTE
0.79A+0.00T
F"1=968
F"1+F"2=998
F"1+F"2+F"3=1000
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<19 I L<3000 cd/mq @65°

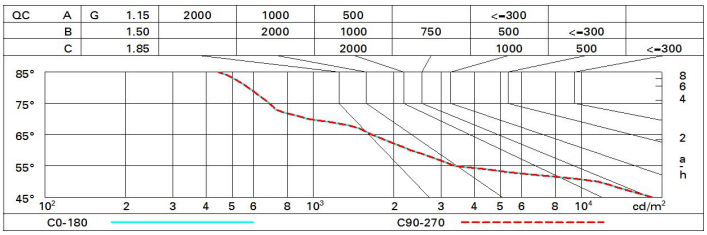
Lux

h	d	Em	Emax
2	1.5	526	679
4	3.1	132	170
6	4.6	58	75
8	6.1	33	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



UGR diagram

Corrected UGR values (at 2000 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 x	y			viewed crosswise					viewed endwise		
2H	2H	19.4	20.1	19.7	20.3	20.5	19.4	20.1	19.7	20.3	20.5
	3H	19.2	19.8	19.6	20.1	20.4	19.2	19.8	19.6	20.1	20.4
	4H	19.2	19.7	19.5	20.0	20.3	19.2	19.7	19.5	20.0	20.3
	6H	19.1	19.6	19.4	19.9	20.3	19.1	19.6	19.4	19.9	20.3
	8H	19.1	19.6	19.4	19.9	20.2	19.1	19.6	19.4	19.9	20.2
	12H	19.0	19.5	19.4	19.8	20.2	19.0	19.5	19.4	19.8	20.2
4H	2H	19.2	19.7	19.5	20.0	20.3	19.2	19.7	19.5	20.0	20.3
	3H	19.0	19.5	19.4	19.8	20.2	19.0	19.5	19.4	19.8	20.2
	4H	18.9	19.4	19.3	19.7	20.1	18.9	19.4	19.3	19.7	20.1
	6H	18.9	19.2	19.3	19.6	20.0	18.9	19.2	19.3	19.6	20.0
	8H	18.8	19.1	19.3	19.6	20.0	18.8	19.1	19.2	19.6	20.0
	12H	18.8	19.1	19.2	19.5	19.9	18.8	19.1	19.2	19.5	19.9
8H	4H	18.8	19.1	19.2	19.6	20.0	18.8	19.1	19.3	19.6	20.0
	6H	18.7	19.0	19.2	19.4	19.9	18.7	19.0	19.2	19.4	19.9
	8H	18.7	18.9	19.2	19.4	19.9	18.7	18.9	19.2	19.4	19.9
	12H	18.6	18.8	19.1	19.3	19.8	18.6	18.8	19.1	19.3	19.8
12H	4H	18.8	19.1	19.2	19.5	19.9	18.8	19.1	19.2	19.5	19.9
	6H	18.7	18.9	19.2	19.4	19.9	18.7	18.9	19.2	19.4	19.9
	8H	18.6	18.8	19.1	19.3	19.8	18.6	18.8	19.1	19.3	19.8

Variations with the observer position at spacing:

S =			
	1.0H	5.1 / -14.3	5.1 / -14.3
	1.5H	7.9 / -16.4	7.9 / -16.4
	2.0H	9.9 / -17.8	9.9 / -17.8