

## Reflex

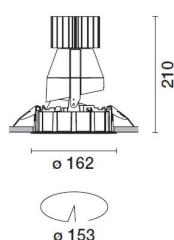
Design iGuzzini

iGuzzini

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**Product configuration: N100.Y.39**

N100.Y.39: adjustable luminaire - Ø 153 mm - warm white - flood optic - frame - 36.7W 1900lm - 3000K - CRI 90 - White / Aluminium



## Product code

N100.Y.39: adjustable luminaire - Ø 153 mm - warm white - flood optic - frame - 36.7W 1900lm - 3000K - CRI 90 - White / Aluminium

### Technical description

Round adjustable luminaire designed to use an LED lamp with C.O.B. technology in a warm white colour tone 3000K (CRI 90). Version with rim for surface-mounting. Painted, die-cast aluminium body. Lower reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Anodised aluminium upper reflector. Black, zinc-plated sheet steel bracket. The luminaire can be rotated 30° relative to the horizontal plane and 358° about the vertical axis. The luminaire is fitted with mechanical locks for light beam aiming. Painted extruded aluminium dissipater.

## Installation

Recessed using torsion springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 25 mm.

**Colour**

White / Aluminium (39)

## Weight (Kg)

1.43

## Mounting

ceiling recessed

## Wiring

Product complete with DALI components

## Notes

Tpa rated

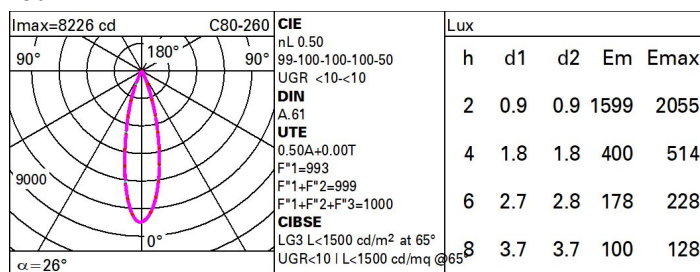
Complies with EN60598-1 and pertinent regulations



## Technical data

lm system:	1900	Rf (Colour Fidelity Index):	92
W system:	36.7	Rg (Gamut Index):	99
lm source:	3800	Colour temperature [K]:	3000
W source:	33	MacAdam Step:	2
Luminous efficiency (lm/W, real value):	51.8	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
lm in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	50	ZVEI Code:	LED
Beam angle [°]:	26°	Number of optical assemblies:	1
CRI (minimum):	90	Control:	DALI-2

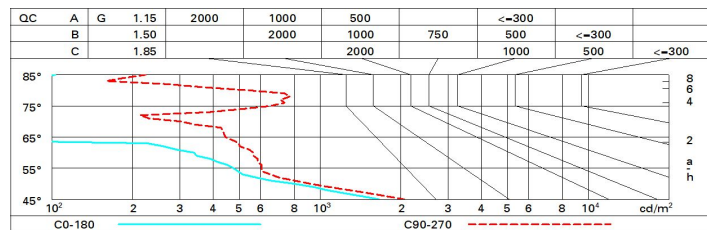
## Polar



# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	45	43	41	40	42	41	41	39	78
1.0	47	45	43	42	44	43	43	41	83
1.5	49	48	47	46	47	46	46	44	88
2.0	51	50	49	48	49	48	48	46	93
2.5	52	51	50	50	50	50	49	48	96
3.0	52	52	51	51	51	51	50	49	98
4.0	53	53	52	52	52	52	51	50	99
5.0	53	53	53	53	52	52	51	50	100

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 3800 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x      y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	2.9	5.0	3.2	5.3	5.6	1.9	4.0	2.2	4.3	4.6
	3H	2.7	4.4	3.1	4.7	5.0	1.7	3.4	2.1	3.7	4.0
	4H	2.7	4.0	3.0	4.4	4.7	1.7	3.0	2.0	3.4	3.7
	6H	2.6	3.7	3.0	4.0	4.4	1.6	2.7	2.0	3.0	3.4
	8H	2.6	3.6	3.0	4.0	4.3	1.6	2.6	2.0	3.0	3.3
	12H	2.5	3.5	2.9	3.9	4.3	1.5	2.5	1.9	2.9	3.3
4H	2H	2.7	4.1	3.1	4.4	4.7	1.7	3.0	2.0	3.4	3.7
	3H	2.6	3.6	3.0	3.9	4.3	1.5	2.5	1.9	2.9	3.3
	4H	2.4	3.4	2.9	3.8	4.2	1.4	2.4	1.8	2.8	3.2
	6H	2.1	3.7	2.6	4.2	4.6	1.1	2.7	1.5	3.2	3.6
	8H	1.9	3.8	2.4	4.3	4.8	0.9	2.8	1.4	3.3	3.8
	12H	1.8	3.8	2.3	4.3	4.8	0.8	2.8	1.3	3.2	3.8
8H	4H	1.9	3.8	2.4	4.3	4.8	0.9	2.8	1.4	3.3	3.8
	6H	1.8	3.6	2.3	4.1	4.6	0.8	2.6	1.3	3.1	3.6
	8H	1.8	3.4	2.3	3.9	4.4	0.8	2.4	1.3	2.9	3.4
	12H	1.9	3.0	2.5	3.5	4.1	0.9	2.0	1.4	2.5	3.0
12H	4H	1.8	3.8	2.3	4.3	4.8	0.8	2.8	1.3	3.2	3.8
	6H	1.8	3.4	2.3	3.9	4.4	0.8	2.4	1.3	2.9	3.4
	8H	1.9	3.0	2.4	3.5	4.0	0.9	2.0	1.4	2.5	3.0
Variations with the observer position at spacing:											
S =	1.0H	5.1 / -9.9					4.9 / -14.1				
	1.5H	7.8 / -15.6					7.7 / -27.4				
	2.0H	9.8 / -20.4					9.7 / -27.1				