

Reflex

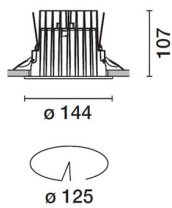
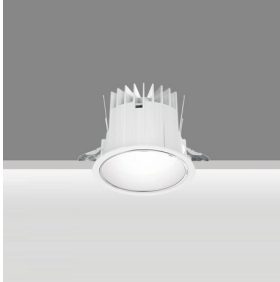
Design iGuzzini

iGuzzini

Last information update: April 2025

Product configuration: Q965

Q965: Fixed circular recessed luminaire - Ø 125 mm - warm white - white optic - DALI



Product code

Q965: Fixed circular recessed luminaire - Ø 125 mm - warm white - white optic - DALI

Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Reflector painted white with a layer of anti-scratch protection. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in warm white colour tone CRI90 (2700K). General lighting beam.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thicknesses ranging from 1 mm to 20 mm.

Weight (Kg)

1.02

Mounting

ceiling recessed

Wiring

product complete with DALI components

Notes

TPb rated

Complies with EN60598-1 and pertinent regulations



IP20

IP54



Technical data

lm system:	2437	CRI (minimum):	90
W system:	32	Colour temperature [K]:	2700
lm source:	3250	MacAdam Step:	2
W source:	29	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	76.1	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.) [%]:	75	Number of optical assemblies:	1
Beam angle [°]:	78°	Control:	DALI

Polar

lmax=1527 cd		CIE nL 0.75 73-90-98-100-75 UGR 27.1-26.7 DIN A.51 UTE 0.75B+0.00T F*1=728 F*1+F*2=904 F*1+F*2+F*3=981	Lux			
90°	180°		h	d	Em	Emax
			1	1.6	1058	1527
			2	3.2	265	382
			3	4.9	118	170
			4	6.5	66	95
α=78°						

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	52	48	45	52	48	47	44	58
1.0	62	57	53	50	56	52	52	48	64
1.5	68	64	61	58	63	60	59	55	74
2.0	72	68	66	63	67	65	64	60	81
2.5	74	71	69	67	70	68	67	64	85
3.0	75	73	71	69	71	70	69	66	88
4.0	77	75	74	72	73	72	71	68	91
5.0	78	76	75	74	75	74	72	70	93

UGR diagram

Corrected UGR values (at 3250 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling/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										
2H	2H	24.4	25.3	24.7	25.5	25.8	24.4	25.3	24.7	25.5	25.8
	3H	25.4	26.2	25.7	26.5	26.8	24.6	25.5	25.0	25.8	26.0
	4H	25.8	26.6	26.1	26.9	27.2	24.7	25.5	25.1	25.8	26.1
	6H	26.1	26.8	26.5	27.1	27.5	24.8	25.5	25.1	25.8	26.1
	8H	26.2	26.9	26.6	27.2	27.6	24.7	25.5	25.1	25.8	26.1
	12H	26.2	26.9	26.6	27.3	27.6	24.7	25.4	25.1	25.7	26.1
4H	2H	24.7	25.5	25.1	25.8	26.1	25.8	26.6	26.1	26.9	27.2
	3H	25.9	26.6	26.3	27.0	27.3	26.3	26.9	26.7	27.3	27.6
	4H	26.5	27.1	26.9	27.5	27.9	26.5	27.1	26.9	27.5	27.9
	6H	26.9	27.5	27.4	27.9	28.3	26.7	27.2	27.1	27.6	28.0
	8H	27.1	27.5	27.5	28.0	28.4	26.7	27.2	27.1	27.6	28.0
	12H	27.1	27.6	27.6	28.0	28.5	26.7	27.1	27.2	27.6	28.0
8H	4H	26.7	27.2	27.1	27.6	28.0	27.1	27.5	27.5	28.0	28.4
	6H	27.3	27.6	27.7	28.1	28.6	27.3	27.7	27.8	28.2	28.7
	8H	27.4	27.8	27.9	28.3	28.8	27.4	27.8	27.9	28.3	28.8
	12H	27.6	27.9	28.1	28.4	28.9	27.5	27.8	28.0	28.3	28.8
12H	4H	26.7	27.1	27.2	27.6	28.0	27.1	27.6	27.6	28.0	28.5
	6H	27.3	27.6	27.8	28.1	28.6	27.4	27.8	27.9	28.3	28.8
	8H	27.5	27.8	28.0	28.3	28.8	27.6	27.9	28.1	28.4	28.9
Variations with the observer position at spacing:											
S =		1.0H	0.7 / -0.5		0.7 / -0.5						
		1.5H	1.3 / -0.8		1.3 / -0.8						
		2.0H	2.3 / -1.0		2.3 / -1.0						