

Last information update: March 2025

Product configuration: R765.83

R765.83: Ø 225 mm - neutral white - DALI - 35.4W 4371lm - 4000K - CRI 90 - Black Transparent

**Product code**

R765.83: Ø 225 mm - neutral white - DALI - 35.4W 4371lm - 4000K - CRI 90 - Black Transparent

Technical description

Round fixed luminaire designed to use LED lamps with C.o.B. technology. Version with rim for surface-mounting. Prismatic thermoplastic reflector complete with flux enhancer. Dissipater made of painted grey die-cast aluminium. Product complete with LED lamp in neutral white colour tone (4000K). General lighting beam.

Installation

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

Colour

Black Transparent (83)

Weight (Kg)

1.15

Mounting

ceiling surface

Wiring

product complete with DALI components

Notes

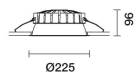
TPa version available on request, contact iGuzzini for more info

Complies with EN60598-1 and pertinent regulations

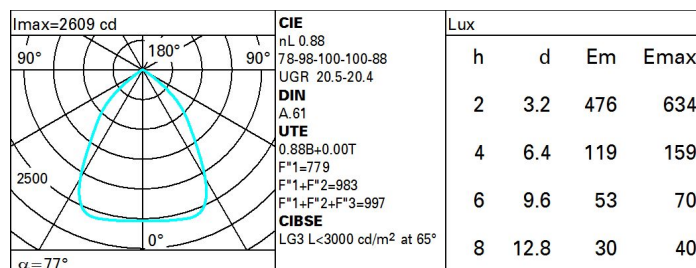


IP20

IP54

On the visible part of
the product once installed**Technical data**

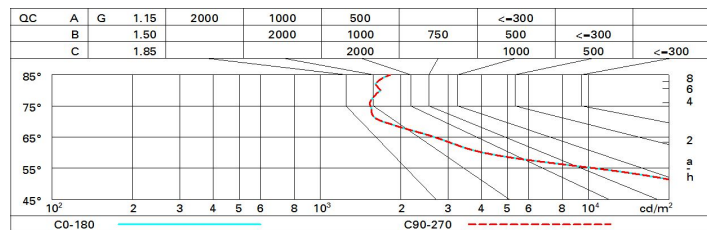
Im system:	4136	Colour temperature [K]:	4000
W system:	35.4	MacAdam Step:	2
Im source:	4700	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	32	Lamp code:	LED
Luminous efficiency (Im/W, real value):	116.8	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	88	Control:	DALI-2
CRI (minimum):	90		

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	64	60	56	63	59	59	54	62
1.0	75	70	66	63	69	65	65	60	69
1.5	82	78	75	72	77	74	73	69	79
2.0	86	83	80	78	81	79	78	75	85
2.5	88	86	83	82	84	82	81	78	89
3.0	90	88	86	84	86	84	83	80	91
4.0	91	89	88	87	88	87	85	82	94
5.0	92	90	89	88	89	88	86	83	95

Luminance curve limit



UGR diagram

Corrected UGR values (at 4700 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		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
		viewed crosswise					viewed endwise				
2H	2H	20.9	21.7	21.2	21.9	22.2	20.9	21.7	21.2	21.9	22.2
	3H	20.8	21.5	21.1	21.8	22.1	20.8	21.5	21.1	21.8	22.1
	4H	20.7	21.4	21.0	21.7	22.0	20.7	21.4	21.1	21.7	22.0
	6H	20.6	21.3	21.0	21.6	21.9	20.6	21.3	21.0	21.6	21.9
	8H	20.6	21.2	21.0	21.5	21.9	20.6	21.2	21.0	21.5	21.9
	12H	20.6	21.1	21.0	21.5	21.9	20.6	21.1	21.0	21.5	21.9
4H	2H	20.7	21.4	21.1	21.7	22.0	20.7	21.4	21.0	21.7	22.0
	3H	20.6	21.2	21.0	21.5	21.9	20.6	21.2	21.0	21.5	21.9
	4H	20.6	21.1	21.0	21.4	21.8	20.6	21.1	21.0	21.4	21.8
	6H	20.5	20.9	20.9	21.3	21.8	20.5	20.9	20.9	21.3	21.7
	8H	20.5	20.9	20.9	21.3	21.7	20.4	20.8	20.9	21.3	21.7
	12H	20.4	20.8	20.9	21.2	21.7	20.4	20.8	20.9	21.2	21.6
8H	4H	20.4	20.8	20.9	21.3	21.7	20.5	20.9	20.9	21.3	21.7
	6H	20.4	20.7	20.9	21.2	21.6	20.4	20.7	20.9	21.2	21.6
	8H	20.4	20.6	20.8	21.1	21.6	20.4	20.6	20.8	21.1	21.6
	12H	20.3	20.6	20.8	21.1	21.6	20.3	20.6	20.8	21.0	21.6
12H	4H	20.4	20.8	20.9	21.2	21.6	20.4	20.8	20.9	21.2	21.7
	6H	20.3	20.6	20.8	21.1	21.6	20.4	20.6	20.8	21.1	21.6
	8H	20.3	20.6	20.8	21.0	21.6	20.3	20.6	20.8	21.1	21.6
Variations with the observer position at spacing:											
S =		1.0H	1.4 / -4.3				1.4 / -4.3				
		1.5H	3.2 / -8.8				3.2 / -8.8				
		2.0H	5.1 / -9.9				5.1 / -9.9				