

Design iGuzzini iGuzzini

Product configuration: QY45.83

Product code

Technical description

Installation

Colour
Black Transparent (83)

Weight (Kg)
0.61

Mounting

wall recessed|ceiling recessed

Wiring

Power units included. Various management solutions are available with a separate code. For technical data, properties and connection modes see the instruction sheet.

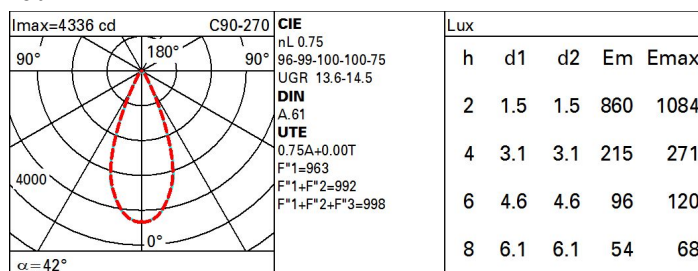
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	2175	MacAdam Step:	3
W system:	23.7	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Im source:	2900	Lamp code:	LED
W source:	19	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	91.8	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	75	Inrush current:	29 A / 153 µs
Beam angle [°]:	42°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 32 luminaires B16A: 51 luminaires C10A: 53 luminaires C16A: 86 luminaires
CRI (minimum):	80	Minimum dimming %:	1
CRI (typical):	82	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	Tunable white 2700 - 6500	Control:	DALI-2

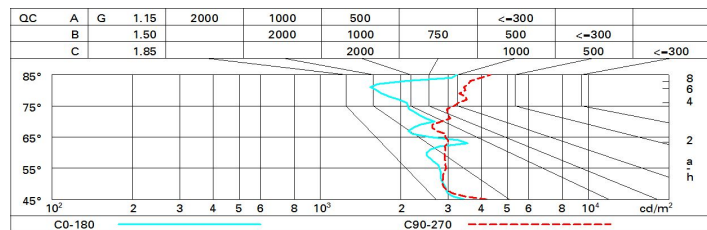
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	67	63	60	58	62	60	59	57	76
1.0	70	66	64	62	65	63	63	60	81
1.5	73	71	69	67	70	68	68	65	87
2.0	76	74	72	71	73	72	71	69	91
2.5	77	76	75	74	75	74	73	71	94
3.0	78	77	76	76	76	75	74	72	97
4.0	79	79	78	77	77	77	76	74	98
5.0	80	79	79	78	78	78	76	74	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 2900 lm bare lamp luminous flux)											
Riflect.: ceil/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	13.6	14.1	13.8	14.3	14.6	14.4	14.9	14.7	15.2	15.4
	3H	13.6	14.1	13.9	14.3	14.6	14.3	14.8	14.6	15.1	15.4
	4H	13.6	14.0	13.9	14.3	14.6	14.3	14.7	14.6	15.0	15.3
	6H	13.6	14.0	13.9	14.3	14.6	14.2	14.6	14.6	15.0	15.3
	8H	13.5	13.9	13.9	14.3	14.6	14.2	14.6	14.6	14.9	15.3
	12H	13.6	13.9	13.9	14.3	14.6	14.2	14.5	14.5	14.9	15.2
4H	2H	13.5	13.9	13.8	14.2	14.5	14.5	14.9	14.8	15.2	15.5
	3H	13.6	13.9	13.9	14.3	14.6	14.5	14.9	14.9	15.3	15.6
	4H	13.6	13.9	14.0	14.3	14.7	14.5	14.9	14.9	15.3	15.6
	6H	13.6	13.9	14.0	14.3	14.7	14.5	14.8	15.0	15.2	15.6
	8H	13.6	13.9	14.0	14.3	14.7	14.5	14.8	14.9	15.2	15.6
	12H	13.6	13.9	14.1	14.3	14.8	14.5	14.7	14.9	15.1	15.6
8H	4H	13.6	13.9	14.0	14.3	14.7	14.7	15.0	15.2	15.4	15.9
	6H	13.6	13.8	14.1	14.3	14.8	14.8	15.0	15.3	15.5	15.9
	8H	13.6	13.8	14.1	14.3	14.8	14.8	15.0	15.3	15.5	16.0
	12H	13.7	13.8	14.2	14.3	14.9	14.8	14.9	15.3	15.4	16.0
12H	4H	13.5	13.8	14.0	14.2	14.7	14.8	15.1	15.3	15.5	15.9
	6H	13.6	13.8	14.1	14.3	14.8	14.9	15.1	15.4	15.6	16.1
	8H	13.6	13.8	14.1	14.3	14.8	14.9	15.1	15.4	15.6	16.1
Variations with the observer position at spacing:											
S =	1.0H	3.3 / -4.4					2.5 / -3.5				
	1.5H	5.5 / -4.6					4.7 / -3.7				
	2.0H	7.4 / -5.4					6.6 / -4.1				