iRoll

Design iGuzzini **iGuzzini**

Last information update: January 2024

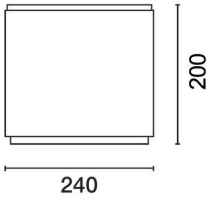
Product configuration: 5485+L076
5485: Ceiling-Mounted luminaires general light with electronic inverter control gear

Product code
5485: Ceiling-Mounted luminaires general light with electronic inverter control gear **Attention! Code no longer in production**

Technical description
Fitting for ceiling-mounting equipped with optic for general lighting, for use with 2x18W TC-D EL compact fluorescent lamps powered by DALI compatible electronic control gear. Version has inverter and battery pack for permanent emergency lighting that lasts 1 hour. Die-cast aluminium component plate, ultrapure aluminium reflector, lathe-machined aluminium cylindrical body, lower frame made of highly resistant polycarbonate. Liquid paint surface finish.

Installation
Fitting fastens to ceiling via screws and expansion plugs; easy installation operations via bayonet assembly systems. Can be installed as pendant or wall-mounted via separate accessory kit.

Colour
White (01) | Grey (15)



Mounting
ceiling surface

Wiring
Electronic ballast, inverter, and battery pack inside the fitting. Plugs into system via quick-connecting terminal box.

Notes
Accessory screens made of glass with transparent or nitric finish. For suspension, use kit number 9442 with 7-pole cable.

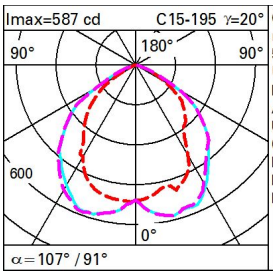
Complies with EN60598-1 and pertinent regulations

850°C IP23 CE pending

Technical data

lm system:	1257	Colour temperature [K]:	4000
W system:	40	Ballast losses [W]:	4
lm source:	1200	Voltage [Vin]:	230
W source:	18	Lamp code:	L076
Luminous efficiency (lm/W, real value):	31.4	Socket:	G24q-2
lm in emergency mode:	77	Number of lamps for optical assembly:	2
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	TC-DEL
Light Output Ratio (L.O.R.) [%]:	52	Number of optical assemblies:	1
CRI:	86		

Polar



CIE
nL 0.52
58-92-99-100-52
UGR 22.8-21.7
DIN
A.51
UTE
0.52C+0.00T
F"1=584
F"1+F"2=921
F"1+F"2+F"3=995

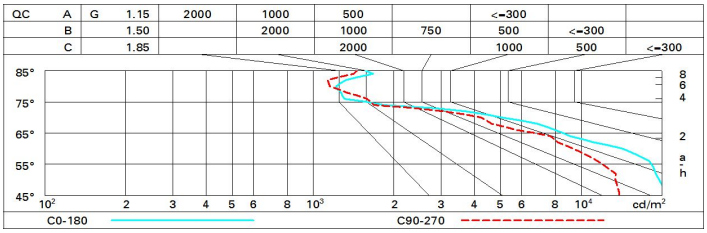
Lux

h	d1	d2	Em	Emax
1	2.7	2	342	547
2	5.4	4.1	85	137
3	8.1	6.1	38	61
4	10.8	8.1	21	34

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	37	32	29	26	31	28	28	25	47
1.0	41	36	33	31	35	33	32	29	56
1.5	46	43	40	38	42	39	39	36	69
2.0	49	46	44	42	45	43	43	40	77
2.5	51	48	47	45	47	46	45	43	82
3.0	52	50	48	47	49	47	47	44	85
4.0	53	51	50	49	50	49	48	46	88
5.0	54	52	51	50	51	50	49	47	90

Luminance curve limit



UGR diagram

Corrected UGR values (at 2400 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				viewed crosswise					viewed endwise		
x	y										
2H	2H	22.6	23.6	22.9	23.9	24.1	21.0	22.0	21.3	22.3	22.5
	3H	22.8	23.7	23.2	24.0	24.3	21.4	22.3	21.8	22.6	22.9
	4H	22.8	23.6	23.1	23.9	24.2	21.5	22.3	21.8	22.6	22.9
	6H	22.7	23.5	23.1	23.8	24.1	21.4	22.2	21.8	22.5	22.8
	8H	22.7	23.4	23.0	23.7	24.1	21.4	22.1	21.8	22.5	22.8
	12H	22.6	23.3	23.0	23.7	24.0	21.3	22.0	21.7	22.4	22.8
4H	2H	22.7	23.6	23.1	23.9	24.2	21.3	22.1	21.6	22.4	22.7
	3H	23.0	23.7	23.4	24.0	24.4	21.7	22.4	22.1	22.8	23.2
	4H	22.9	23.5	23.3	23.9	24.3	21.8	22.4	22.2	22.8	23.2
	6H	22.9	23.4	23.3	23.8	24.2	21.8	22.3	22.2	22.7	23.1
	8H	22.8	23.3	23.3	23.7	24.2	21.7	22.2	22.2	22.6	23.1
	12H	22.8	23.2	23.2	23.7	24.1	21.7	22.1	22.1	22.6	23.0
8H	4H	22.8	23.3	23.3	23.7	24.2	21.7	22.2	22.2	22.6	23.1
	6H	22.8	23.2	23.2	23.6	24.1	21.7	22.1	22.2	22.5	23.0
	8H	22.7	23.1	23.2	23.5	24.0	21.6	22.0	22.1	22.5	23.0
	12H	22.7	23.0	23.2	23.5	24.0	21.6	21.9	22.1	22.4	22.9
12H	4H	22.8	23.2	23.2	23.6	24.1	21.7	22.1	22.1	22.6	23.0
	6H	22.7	23.1	23.2	23.5	24.0	21.6	22.0	22.1	22.5	23.0
	8H	22.7	23.0	23.2	23.5	24.0	21.6	21.9	22.1	22.4	22.9

Variations with the observer position at spacing:

S =			
	1.0H	0.2 / -0.3	0.5 / -0.4
	1.5H	1.2 / -2.3	1.4 / -2.4
	2.0H	2.4 / -4.9	2.0 / -4.5