

Last information update: June 2018

**Diffused light luminaire - Warm LED - Electronic Control Gear****Product code**

6790

Technical description

Diffused light luminaire, designed to use LED lamps. Anti UV-treated, polycarbonate, external body and end caps with a ribbed finish to contain any dazzle from direct light. The double cable gland provided allows max 15.5 mm Ø electric cables to be used. The end caps can be released using the stainless steel clips, so scheduled maintenance is tool-free. Complete with pass-through wiring for continuous line installations.

Installation

Horizontal or vertical, single or double pendant / surface (wall and ceiling) installation. For these various types of installation use the optional kits supplied.

Dimension (mm)

Ø80x1910

Colour

Clear transparent (24)

Weight (Kg)

3.65

Mounting

wall surface|ceiling surface|ceiling pendant

Wiring

Electronic control gear integrated in the luminaire. Mains connection made with quick coupling terminal blocks.

Complies with EN60598-1 and pertinent regulations



IP67

**Product configuration: 6790****Product characteristics**

Total lighting output [Lm]: 4253
 Total power [W]: 42
 Luminous efficacy [Lm/W]: 101.3
 Life Time: 50,000h - L80 - B10 (Ta 25°C)
 Number of optical assemblies: 1

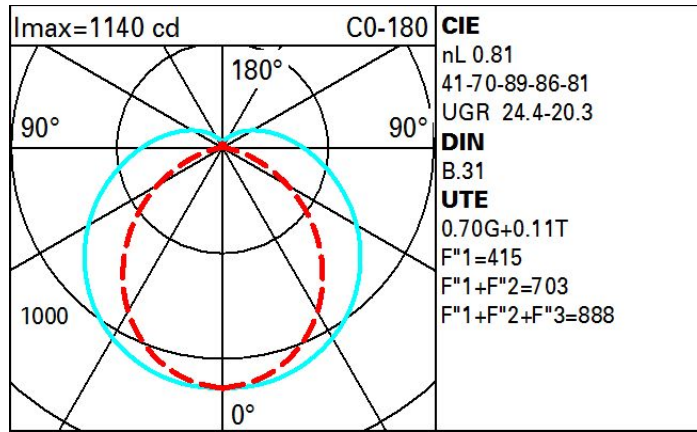
Total luminous flux at or above an angle of 90° [Lm]: 590
 Emergency luminous flux [Lm]: /
 Voltage [V]: -
 Ambient temperature range: from -20°C to +35°C.

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 81
 Lamp code: LED
 ZVEI Code: LED
 Nominal power [W]: 36
 Nominal luminous [Lm]: 5250
 Lamp maximum intensity [cd]: /
 Beam angle [°]: /

Number of lamps for optical assembly: 1
 Socket: /
 Ballast losses [W]: 6
 Colour temperature [K]: 3000
 CRI: 80
 Wavelength [Nm]: /
 MacAdam Step: 3

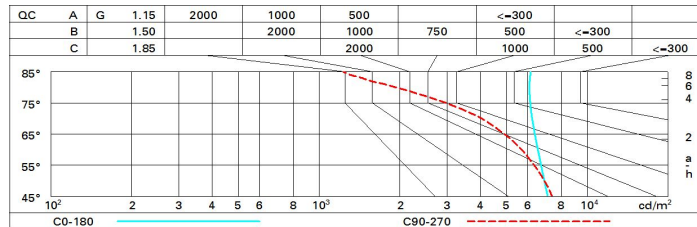
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	49	40	34	29	37	32	31	24	35
1.0	54	45	39	34	43	37	36	29	41
1.5	62	54	49	44	51	46	44	37	53
2.0	66	60	55	51	57	53	50	43	62
2.5	69	64	60	56	60	57	54	47	67
3.0	71	67	63	59	63	60	57	50	71
4.0	74	70	67	64	66	64	60	54	77
5.0	76	73	70	67	69	66	63	56	80

Luminance curve limit



UGR diagram

Corrected UGR values (at 5250 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
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		viewed crosswise					viewed endwise				
x	y										
2H	2H	18.6	19.7	19.1	20.2	20.8	16.9	18.0	17.5	18.5	19.1
	3H	20.7	21.6	21.2	22.2	22.8	17.6	18.5	18.1	19.1	19.7
	4H	21.7	22.6	22.3	23.2	23.8	17.8	18.8	18.4	19.3	19.9
	6H	22.7	23.5	23.3	24.1	24.8	18.0	18.9	18.6	19.5	20.1
	8H	23.2	24.0	23.8	24.6	25.3	18.1	18.9	18.7	19.5	20.2
	12H	23.7	24.5	24.3	25.1	25.7	18.1	18.9	18.7	19.5	20.2
4H	2H	19.1	20.0	19.7	20.6	21.2	18.2	19.1	18.8	19.7	20.3
	3H	21.4	22.2	22.0	22.8	23.5	19.1	19.9	19.7	20.5	21.1
	4H	22.6	23.3	23.2	23.9	24.6	19.6	20.3	20.2	20.9	21.6
	6H	23.8	24.4	24.4	25.0	25.8	20.1	20.7	20.7	21.3	22.1
	8H	24.4	24.9	25.0	25.6	26.3	20.3	20.9	20.9	21.5	22.3
	12H	24.9	25.5	25.6	26.1	26.9	20.5	21.0	21.1	21.7	22.4
8H	4H	22.8	23.4	23.5	24.1	24.8	19.8	20.4	20.5	21.1	21.8
	6H	24.2	24.7	24.9	25.4	26.2	20.6	21.1	21.3	21.8	22.5
	8H	25.0	25.4	25.7	26.1	26.9	21.0	21.5	21.7	22.2	22.9
	12H	25.7	26.1	26.4	26.8	27.6	21.5	21.9	22.2	22.6	23.4
12H	4H	22.8	23.4	23.5	24.0	24.8	19.8	20.4	20.5	21.0	21.8
	6H	24.3	24.7	25.0	25.4	26.2	20.6	21.1	21.3	21.7	22.5
	8H	25.1	25.5	25.8	26.2	27.0	21.1	21.5	21.8	22.2	23.0
Variations with the observer position at spacing:											
S =	1.0H	0.1 / -0.1					0.1 / -0.1				
	1.5H	0.2 / -0.2					0.2 / -0.4				
	2.0H	0.2 / -0.2					0.3 / -0.6				