

Last information update: June 2018

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

6796

**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. Includes an emergency lighting option - 3 hours autonomy.

**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. Includes an emergency lighting option, complete with inverter and rechargeable battery unit. Permanent emergency light: 3 hours autonomy with a 24 hour recharge cycle.

Complies with EN60598-1 and pertinent regulations



IP67

**Product configuration: 6796****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

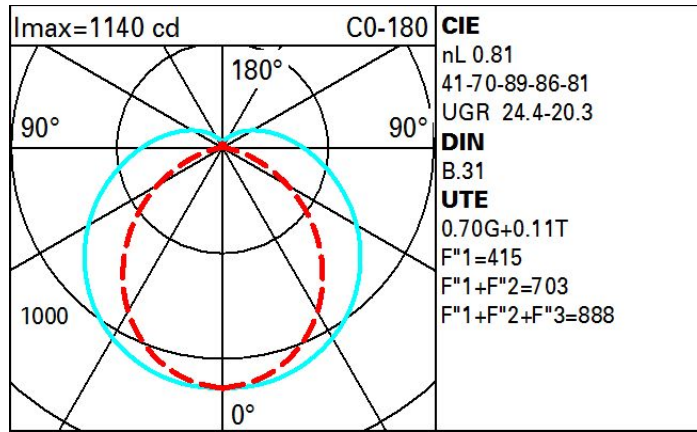
Total luminous flux at or above an angle of 90° [Lm]: 590  
 Emergency luminous flux [Lm]: 430  
 Voltage [V]: -  
 Ambient temperature range: from -20°C to +35°C.

**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

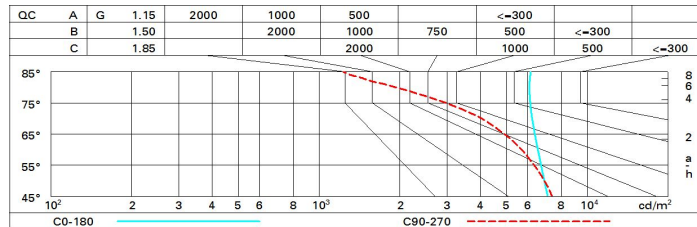
**Polar**



**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				