iSign

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Last information update: April 2024

Product configuration: 6791+9400.15+9401.15
6791: Diffused light luminaire - Neutral LED - DALI dimmable electronic control gear
9400.15: Pair of plastic brackets for ceiling/wall application - plastic material for ceiling/wall application - Grey
9401.15: 5-pole power supply strip - Grey

Product code
6791: Diffused light luminaire - Neutral LED - DALI dimmable electronic control gear

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.

Colour	Weight (Kg)
Clear transparent (24)	2.95

Mounting
wall surface|ceiling surface|ceiling pendant

Wiring
DALI dimmable electronic control gear integrated in the luminaire. Mains connection made with quick coupling terminal blocks.

Complies with EN60598-1 and pertinent regulations

IK08 IP67

Accessory code
9400.15: Pair of plastic brackets for ceiling/wall application - plastic material for ceiling/wall application - Grey

Colour	Weight (Kg)
Grey (15)	0.07

Complies with EN60598-1 and pertinent regulations

Accessory code
9401.15: 5-pole power supply strip - Grey

Colour	Weight (Kg)
Grey (15)	1.07

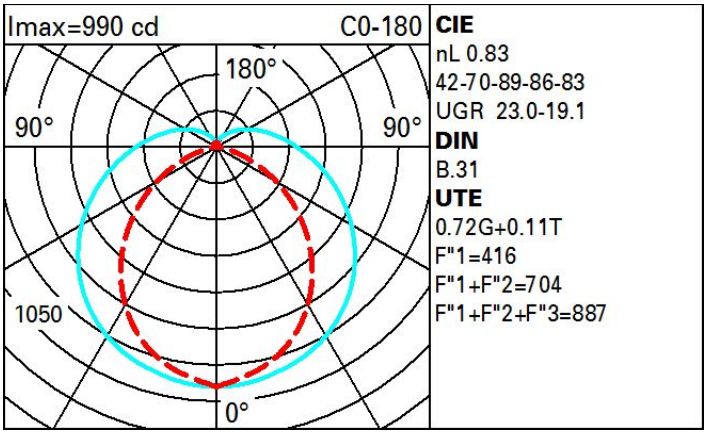
Complies with EN60598-1 and pertinent regulations

Technical data

lm system:	3610
W system:	29
lm source:	4350
W source:	26
Luminous efficiency (lm/W, real value):	124.5
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	498
Light Output Ratio (L.O.R.) [%]:	83
CRI (minimum):	80
Colour temperature [K]:	4000
MacAdam Step:	3
Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)

Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
Intervallo temperatura ambiente:	from -20°C to 35°C.
Power factor:	See installation instructions
Inrush current:	53 A / 200 µs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 8 luminaires B16A: 13 luminaires C10A: 13 luminaires C16A: 22 luminaires
Minimum dimming %:	1
Overvoltage protection:	2kV Common mode & 1kV Differential mode
Control:	DALI-2

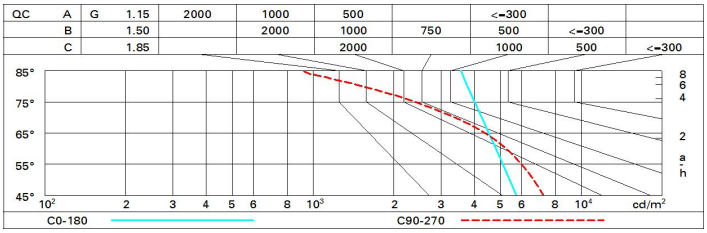
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	50	41	34	30	38	33	31	25	35
1.0	55	46	40	35	44	38	37	30	41
1.5	63	56	50	45	53	48	45	38	53
2.0	68	62	57	52	58	54	51	44	62
2.5	71	66	61	57	62	58	55	48	67
3.0	73	69	64	61	65	61	58	51	72
4.0	76	72	69	66	68	65	62	55	77
5.0	78	74	71	69	70	68	64	58	80

Luminance curve limit



UGR diagram

Corrected UGR values (at 4350 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	17.7	18.7	18.2	19.3	19.8	16.2	17.3	16.7	17.8	18.4
	3H	19.6	20.6	20.2	21.1	21.7	16.7	17.7	17.3	18.2	18.8
	4H	20.5	21.4	21.1	22.0	22.6	17.0	17.9	17.5	18.4	19.1
	6H	21.4	22.3	22.0	22.9	23.5	17.1	18.0	17.7	18.6	19.2
	8H	21.9	22.7	22.5	23.3	23.9	17.2	18.0	17.8	18.6	19.2
	12H	22.3	23.1	22.9	23.7	24.3	17.2	18.0	17.8	18.6	19.2
4H	2H	18.1	19.0	18.7	19.6	20.2	17.3	18.2	17.9	18.8	19.4
	3H	20.3	21.1	20.9	21.7	22.3	18.1	18.9	18.7	19.5	20.1
	4H	21.4	22.1	22.0	22.7	23.4	18.5	19.2	19.1	19.8	20.5
	6H	22.5	23.1	23.1	23.7	24.5	18.9	19.6	19.6	20.2	20.9
	8H	23.0	23.6	23.6	24.2	25.0	19.1	19.7	19.8	20.4	21.1
	12H	23.5	24.0	24.2	24.7	25.4	19.3	19.8	19.9	20.5	21.2
8H	4H	21.6	22.2	22.2	22.8	23.6	18.7	19.3	19.4	20.0	20.7
	6H	22.9	23.4	23.6	24.0	24.8	19.4	19.9	20.0	20.5	21.3
	8H	23.5	24.0	24.2	24.7	25.5	19.7	20.2	20.4	20.9	21.7
	12H	24.2	24.6	24.9	25.3	26.1	20.1	20.5	20.8	21.2	22.0
12H	4H	21.6	22.1	22.2	22.8	23.5	18.7	19.2	19.4	19.9	20.7
	6H	22.9	23.4	23.6	24.0	24.8	19.4	19.8	20.1	20.5	21.3
	8H	23.7	24.0	24.4	24.7	25.6	19.8	20.2	20.5	20.9	21.7

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 / -0.3	0.5 / -0.7