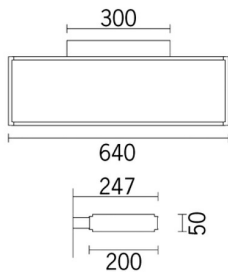


Last information update: April 2024

Product configuration: 5193

5193: indoor wall-mounted luminaire - 640x200 mm H 50 mm - warm white LED - DALI

**Product code**

5193: indoor wall-mounted luminaire - 640x200 mm H 50 mm - warm white LED - DALI

Technical description

Indoor wall-mounted luminaire with direct/indirect light emission designed to use a warm white LED lamp (3000K). The light flow is split into 44% down light, 56% uplight. The product optical assembly is made with extruded aluminium lateral profiles, injection-moulded polycarbonate end caps and sheet steel inner covers. The product undergoes a liquid paint treatment. The optic system consists of an MPO methacrylate screen that allows the direction of the light emitted by the LED lamp to be controlled accurately. Luminance is maintained in compliance with EN12464-1 standards. UGR<19 levels are ideal for offices and work environments with videoscreens.

Installation

Wall-mounting. Wall-mounting is allowed by an aluminium base, with a galvanised sheet steel inner supporting plate.

Colour

Grey (15)

Weight (Kg)

2.65

Mounting

wall surface

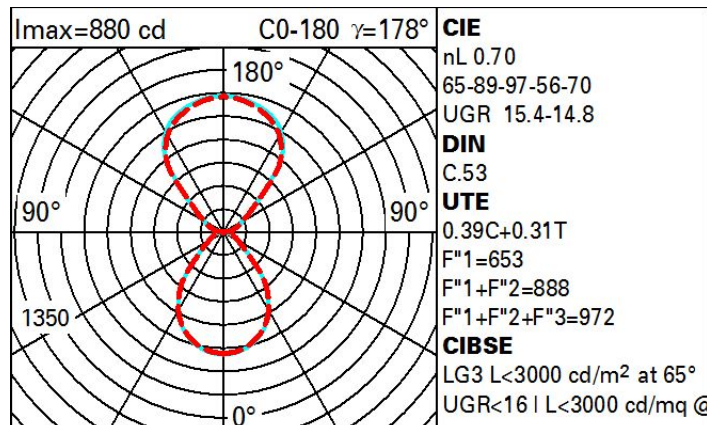
Wiring

Luminaire equipped with DALI digital dimmable electronic ballast, set up for switch-dim, with the possibility of also adjusting using a normal electric switch. The product is complete with quick-coupling terminal blocks for electrical connections. Occupies 1 DALI address.

Complies with EN60598-1 and pertinent regulations

**Technical data**

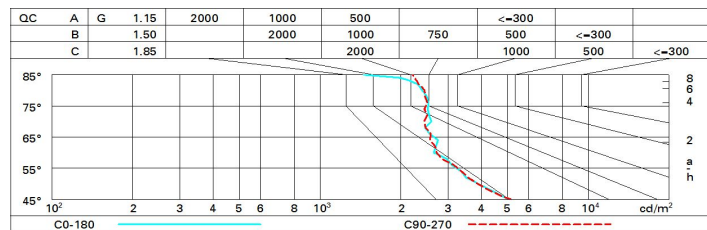
lm system:	3150	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W system:	29.7	Lamp code:	LED
lm source:	4500	Number of lamps for optical assembly:	1
W source:	27	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	106	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	1755	Inrush current:	26 A / 140 µs
Light Output Ratio (L.O.R.) [%]:	70	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 15 luminaires B16A: 24 luminaires C10A: 24 luminaires C16A: 40 luminaires
CRI (minimum):	80	Minimum dimming %:	1
Colour temperature [K]:	3000	Overvoltage protection:	2kV Common mode & 1kV Differential mode
MacAdam Step:	3.5	Control:	DALI-2

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	42	37	32	29	33	29	26	20	53
1.0	46	41	37	34	36	33	30	23	59
1.5	52	48	44	41	42	40	35	27	70
2.0	55	52	49	46	46	43	38	30	77
2.5	57	54	52	50	48	46	41	32	82
3.0	59	56	54	52	50	48	42	33	85
4.0	60	58	56	55	51	50	44	35	89
5.0	61	60	58	57	53	51	45	35	91

Luminance curve limit



UGR diagram

Corrected UGR values (at 4500 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	12.9	13.5	13.8	14.3	15.4	12.9	13.5	13.8	14.4	15.4
	3H	13.7	14.2	14.6	15.1	16.2	13.0	13.6	13.9	14.4	15.5
	4H	14.1	14.6	15.0	15.5	16.6	13.1	13.5	13.9	14.4	15.5
	6H	14.5	14.9	15.4	15.8	17.0	13.0	13.5	13.9	14.4	15.5
	8H	14.6	15.1	15.6	16.0	17.1	13.0	13.4	13.9	14.3	15.5
	12H	14.7	15.1	15.6	16.0	17.2	13.0	13.4	13.9	14.3	15.4
4H	2H	13.0	13.5	13.9	14.4	15.5	14.1	14.6	15.0	15.5	16.6
	3H	14.0	14.5	15.0	15.4	16.5	14.4	14.8	15.3	15.7	16.9
	4H	14.6	15.0	15.5	15.9	17.1	14.6	14.9	15.5	15.9	17.0
	6H	15.2	15.5	16.1	16.4	17.6	14.7	15.0	15.7	16.0	17.2
	8H	15.4	15.7	16.3	16.6	17.8	14.8	15.1	15.7	16.0	17.2
	12H	15.5	15.7	16.4	16.7	17.9	14.8	15.0	15.7	16.0	17.2
8H	4H	14.8	15.1	15.8	16.0	17.2	15.3	15.6	16.3	16.6	17.8
	6H	15.5	15.8	16.5	16.7	18.0	15.7	15.9	16.7	16.9	18.1
	8H	15.8	16.0	16.8	17.0	18.3	15.8	16.0	16.8	17.0	18.3
	12H	16.0	16.2	17.0	17.2	18.5	16.0	16.1	17.0	17.1	18.4
12H	4H	14.8	15.0	15.8	16.0	17.2	15.5	15.8	16.5	16.7	18.0
	6H	15.6	15.8	16.6	16.8	18.0	15.9	16.1	16.9	17.1	18.3
	8H	16.0	16.2	17.0	17.1	18.4	16.1	16.3	17.1	17.3	18.5
Variations with the observer position at spacing:											
S =	1.0H	0.3 / -0.4					0.3 / -0.3				
	1.5H	0.9 / -0.7					0.9 / -0.7				
	2.0H	1.7 / -0.9					1.7 / -0.9				