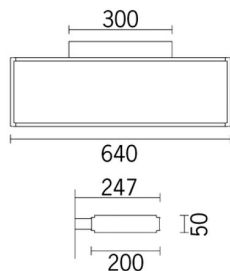


Last information update: June 2018

**indoor wall-mounted luminaire - 640x200 mm H 50 mm - warm white LED - DALI + INVERTER****Product code**

5195

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

Dimension (mm)

640x200x50

Colour

Grey (15)

Weight (Kg)

2.8

Mounting

wall surface

Wiring

Luminaire equipped with DALI ballast with emergency light. Complete with quick-coupling terminal blocks (set up for REST MODE), and complete with inverter and battery unit, with permanent emergency light having 1 hour autonomy.

Complies with EN60598-1 and pertinent regulations



IP20

**Product configuration: 5195****Product characteristics**

Total lighting output [Lm]: 3080
Total power [W]: 37.2
Luminous efficacy [Lm/W]: 82.8
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 1716
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 70
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 31
Nominal luminous [Lm]: 4400
Lamp maximum intensity [cd]: /
Beam angle [°]: /

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 6.2
Colour temperature [K]: 3000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 3.5

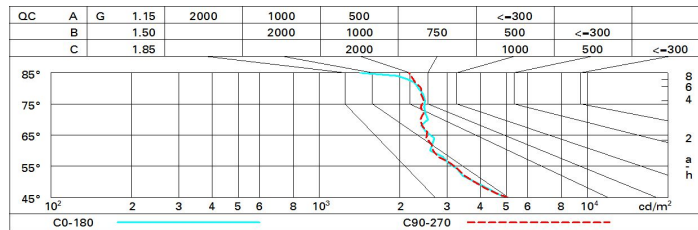
Polar

Imax=860 cd		C0-180 $\gamma=178^\circ$		CIE		Lux	
		nL 0.70		h	d1	d2	Em Emax
		65-89-97-56-70		1	-	-	202 859
		UGR 15.3-14.7		2	-	-	50 215
		DIN		3	-	-	22 95
	C.53						
	UTE						
	0.39C+0.31T						
	F*1=653						
	F*1+F*2=888						
	F*1+F*2+F*3=972						
	CIBSE						
	LG3 L<3000 cd/m ² at 65°			4	-	-	13 54
	UGR<16 L<3000 cd/mq @65°						

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 4400 lm bare lamp luminous flux)											
Reflect.:											
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											
x	y										
				viewed					viewed		
				crosswise					endwise		
2H	2H	12.8	13.4	13.7	14.3	15.3	12.8	13.4	13.7	14.3	15.3
	3H	13.6	14.1	14.5	15.0	16.1	13.0	13.5	13.8	14.4	15.4
	4H	14.0	14.5	14.9	15.4	16.5	13.0	13.5	13.9	14.3	15.5
	6H	14.4	14.9	15.3	15.8	16.9	12.9	13.4	13.9	14.3	15.4
	8H	14.6	15.0	15.5	15.9	17.0	12.9	13.4	13.8	14.3	15.4
	12H	14.6	15.0	15.5	15.9	17.1	12.9	13.3	13.8	14.2	15.3
4H	2H	13.0	13.5	13.9	14.3	15.4	14.0	14.5	14.9	15.4	16.5
	3H	14.0	14.4	14.9	15.3	16.4	14.3	14.8	15.3	15.7	16.8
	4H	14.5	14.9	15.5	15.8	17.0	14.5	14.9	15.4	15.8	17.0
	6H	15.1	15.4	16.0	16.3	17.5	14.7	15.0	15.6	15.9	17.1
	8H	15.3	15.6	16.3	16.5	17.7	14.7	15.0	15.7	15.9	17.2
	12H	15.4	15.6	16.4	16.6	17.8	14.7	15.0	15.7	15.9	17.1
8H	4H	14.7	15.0	15.7	15.9	17.2	15.3	15.6	16.2	16.5	17.7
	6H	15.4	15.7	16.4	16.7	17.9	15.6	15.8	16.6	16.8	18.0
	8H	15.8	16.0	16.8	16.9	18.2	15.8	16.0	16.7	16.9	18.2
	12H	15.9	16.1	16.9	17.1	18.4	15.9	16.1	16.9	17.1	18.3
12H	4H	14.7	15.0	15.7	15.9	17.2	15.4	15.7	16.4	16.6	17.9
	6H	15.5	15.7	16.5	16.7	18.0	15.8	16.0	16.8	17.0	18.3
	8H	15.9	16.1	16.9	17.1	18.3	16.0	16.2	17.0	17.2	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