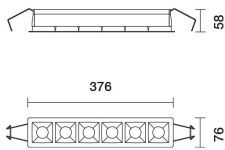


Last information update: May 2025

**Product configuration: RD17.83**

RD17.83: 6-cell recessed luminaire - UGR&lt;19 - DALI - Transparent/Black

**Product code**

RD17.83: 6-cell recessed luminaire - UGR&lt;19 - DALI - Transparent/Black

**Technical description**

Recessed luminaire consisting of a lamp device, 6-cell emission raster and operating components. Version for UGR < 19 controlled luminance lighting - in compliance with the standard for use in environments with video monitors. LED lamps with high color rendering index. Main body made of extruded aluminium - anodised finish - cast zamak end caps - natural finish. Polycarbonate LED lamp support. Steel wire fixing springs. The optical system consists of a translucent textured methacrylate raster, created with a catadioptric system (patented Opti Beam Diamond optic) - with no galvanic treatments - combined with a gloss finish PET cover. The raster includes multiple lens diaphragms for LED lamps. The result is an extremely elegant and professional light emission combined with a high level of operating efficiency. DALI dimmable driver connected to the luminaire.

**Installation**

recessed with steel wire contrast springs; slot to make in false ceiling: 63 x 363

**Colour**

Black Transparent (83)

**Weight (Kg)**

0.8

**Mounting**

ceiling recessed

**Wiring**

complete with integrated DALI power supply; quick-coupling connections on driver.

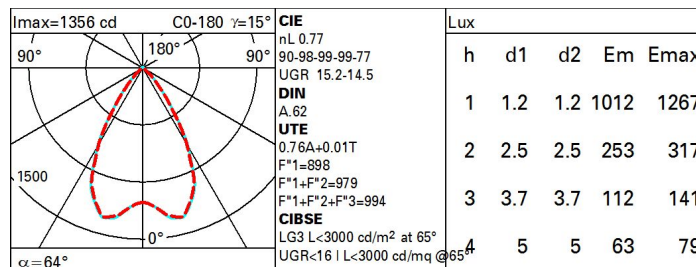
**Notes**

The product can be connected to centralised emergency systems in compliance with the EN60598-2-22 standard. TPA version available on request, contact iGuzzini for more info

Complies with EN60598-1 and pertinent regulations

**Technical data**

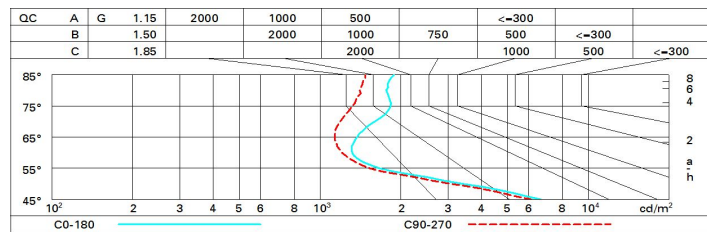
Im system:	1471	Colour temperature [K]:	3500
W system:	13.2	MacAdam Step:	3
Im source:	1910	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	11	Lamp code:	LED
Luminous efficiency (Im/W, real value):	111.4	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	18	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	77	Control:	DALI-2
CRI (minimum):	90		

**Polar**

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	61	58	55	60	57	57	54	71
1.0	69	65	62	60	64	61	61	58	76
1.5	74	71	68	66	69	67	66	64	84
2.0	76	74	72	71	73	71	70	68	89
2.5	78	76	75	74	75	74	73	70	92
3.0	79	78	77	76	76	75	74	72	94
4.0	80	79	78	78	78	77	76	73	96
5.0	81	80	79	79	79	78	77	74	98

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 1910 lm bare lamp luminous flux)											
Reflect.: ceiling/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	14.8	15.3	15.0	15.6	15.8	14.6	15.1	14.9	15.4	15.6
	3H	14.8	15.3	15.2	15.6	15.9	14.5	15.0	14.8	15.3	15.6
	4H	14.9	15.4	15.3	15.7	16.0	14.4	14.9	14.8	15.2	15.5
	6H	15.1	15.5	15.4	15.8	16.2	14.3	14.8	14.7	15.1	15.5
	8H	15.1	15.5	15.5	15.9	16.2	14.3	14.7	14.7	15.1	15.5
	12H	15.1	15.6	15.5	15.9	16.3	14.3	14.7	14.7	15.0	15.4
4H	2H	14.6	15.1	14.9	15.4	15.7	14.6	15.1	14.9	15.4	15.7
	3H	14.7	15.1	15.1	15.5	15.9	14.6	15.0	15.0	15.3	15.7
	4H	14.9	15.3	15.3	15.7	16.1	14.5	14.9	14.9	15.3	15.7
	6H	15.1	15.5	15.6	15.9	16.3	14.5	14.8	15.0	15.2	15.7
	8H	15.2	15.5	15.7	16.0	16.4	14.5	14.8	15.0	15.2	15.7
	12H	15.3	15.6	15.8	16.0	16.5	14.5	14.7	14.9	15.2	15.7
8H	4H	14.9	15.2	15.3	15.6	16.1	14.7	15.0	15.2	15.5	15.9
	6H	15.2	15.4	15.7	15.9	16.4	14.8	15.0	15.3	15.5	16.0
	8H	15.3	15.5	15.8	16.0	16.5	14.8	15.0	15.3	15.5	16.0
	12H	15.5	15.7	16.0	16.2	16.7	14.8	15.0	15.4	15.5	16.1
12H	4H	14.8	15.1	15.3	15.6	16.0	14.8	15.0	15.2	15.5	16.0
	6H	15.2	15.4	15.7	15.9	16.4	14.9	15.1	15.4	15.6	16.1
	8H	15.3	15.5	15.9	16.0	16.6	14.9	15.1	15.5	15.6	16.2
Variations with the observer position at spacing:											
S =	1.0H	2.8 / -3.0					3.0 / -3.6				
	1.5H	5.1 / -3.4					5.4 / -4.0				
	2.0H	7.0 / -3.5					7.3 / -4.1				