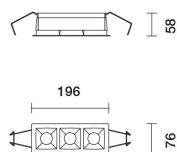
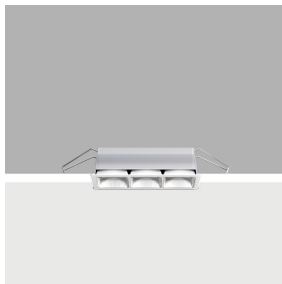


Last information update: February 2025

**Product configuration: RE79.D8**

RE79.D8: 3-cell recessed luminaire - MEDIUM beam - Tunable White - White / transparent

**Product code**

RE79.D8: 3-cell recessed luminaire - MEDIUM beam - Tunable White - White / transparent

**Technical description**

Recessed luminaire consisting of a lamp device and a 3-cell emission raster - model with operating components to be ordered separately. Version with a medium optic - variant for light emission in Tunable White mode. 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, designed to obtain a concentrated emission, recommended for lighting environments with a fundamentally linear layout (e.g. corridors, galleries and aisles). Flows emitted in dynamic mode Tunable White 2700K - 6500K. The accessory wiring components - specific for this type of product - also include the use of several recessed luminaires with a single power supply unit.

**Installation**

recessed with steel wire contrast springs; slot to make in false ceiling: 63 x 183

**Colour**

White Transparent (D8)

**Weight (Kg)**

0.4

**Mounting**

ceiling recessed

**Wiring**

Drivers and wiring components are available with a separate item code. This system allows several recessed luminaires to be used (2 / 3 max) with a single power supply unit. For more detailed information, please look at the instruction sheet.

**Notes**

Possibility of multiple uses through the use of splitters (mandatory) and connection extensions to be ordered separately. TPA version available on request, contact iGuzzini for more info

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	1204	CRI (minimum):	90
W system:	9.8	Colour temperature [K]:	Tunable white 2700 - 6500
lm source:	1450	Life Time LED 1:	> 50,000h - L85 - B10 (Ta 25°C)
W source:	9.8	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	122.8	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	16	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	83	Number of optical assemblies:	1
Beam angle [°]:	40°		

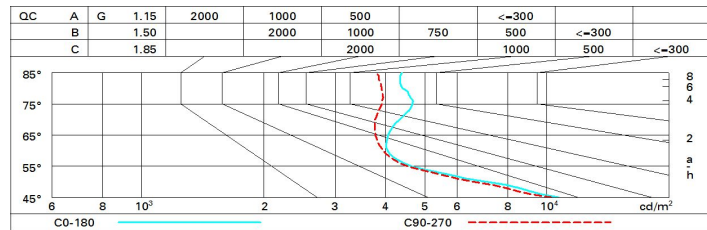
**Polar**

<p>Imax=1860 cd C20-200 nL 0.83 86-96-99-99-83 UGR 18.1-17.2 DIN A.62 UTE 0.82A+0.01T F*1=861 F*1+F*2=959 F*1+F*2+F*3=989 α = 40°</p>	Lux				
	h	d1	d2	Em	E <sub>max</sub>
	2	1.5	1.5	350	465
	4	2.9	2.9	88	116
	6	4.4	4.4	39	52
	8	5.8	5.8	22	29

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	64	60	58	63	60	59	56	68
1.0	73	68	65	62	67	64	64	60	74
1.5	78	75	72	69	73	71	70	67	81
2.0	81	79	76	75	77	75	74	71	87
2.5	83	81	79	78	80	78	77	74	90
3.0	85	83	81	80	81	80	79	76	93
4.0	86	85	84	83	83	82	81	78	95
5.0	87	86	85	84	84	83	82	79	96

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 1450 lm bare lamp luminous flux)											
Reflect.: ceil/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		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
2H	2H	16.0	16.7	16.3	16.9	17.2	15.8	16.6	16.1	16.8	17.1
	3H	16.5	17.2	16.9	17.5	17.8	15.9	16.5	16.2	16.8	17.2
	4H	16.9	17.5	17.3	17.8	18.2	15.9	16.5	16.3	16.8	17.2
	6H	17.3	17.8	17.7	18.2	18.5	15.9	16.5	16.3	16.8	17.2
	8H	17.4	18.0	17.8	18.3	18.7	15.9	16.4	16.3	16.8	17.2
	12H	17.5	18.0	17.9	18.4	18.8	15.9	16.4	16.3	16.7	17.1
4H	2H	16.0	16.6	16.4	16.9	17.3	16.6	17.2	17.0	17.5	17.9
	3H	16.8	17.3	17.2	17.7	18.1	16.9	17.4	17.3	17.8	18.1
	4H	17.4	17.8	17.8	18.2	18.6	17.0	17.5	17.4	17.9	18.3
	6H	17.9	18.3	18.4	18.7	19.2	17.1	17.5	17.6	18.0	18.4
	8H	18.1	18.5	18.6	18.9	19.4	17.2	17.6	17.7	18.0	18.5
	12H	18.3	18.6	18.8	19.1	19.6	17.2	17.5	17.7	18.0	18.5
8H	4H	17.5	17.9	18.0	18.3	18.8	17.7	18.0	18.1	18.5	18.9
	6H	18.2	18.5	18.7	19.0	19.5	18.0	18.3	18.5	18.7	19.2
	8H	18.5	18.8	19.0	19.3	19.8	18.1	18.4	18.6	18.9	19.4
	12H	18.8	19.0	19.3	19.5	20.1	18.2	18.4	18.7	18.9	19.5
12H	4H	17.5	17.9	18.0	18.3	18.8	17.8	18.1	18.3	18.6	19.1
	6H	18.3	18.5	18.8	19.0	19.5	18.2	18.4	18.7	18.9	19.4
	8H	18.6	18.8	19.1	19.3	19.9	18.3	18.6	18.9	19.1	19.6
Variations with the observer position at spacing:											
S =	1.0H	1.0 / -0.9					1.1 / -1.0				
	1.5H	2.3 / -1.3					2.5 / -1.4				
	2.0H	3.7 / -1.4					3.8 / -1.5				