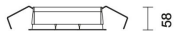
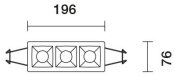
Crystal

Design iGuzzini **iGuzzini**

Last information update: February 2025

Product configuration: RD07.83
RD07.83: 3-cell recessed luminaire - General Lighting - Transparent/Black





Product code
RD07.83: 3-cell recessed luminaire - General Lighting - Transparent/Black

Technical description
Recessed luminaire consisting of a lamp device and a 3-cell emission raster - model with operating components to be ordered separately. Version for high emission general lighting. 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 generates a high performance light emission combined with a high energy yield. The accessory wiring components 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	**Weight (Kg)**
Black Transparent (83)	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. The product can also be connected to centralised emergency systems in compliance with the EN60598-2-22 standard. For more detailed information, see 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

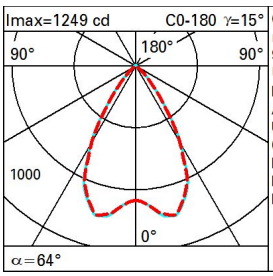
Complies with EN60598-1 and pertinent regulations

IP20 IP43 On the visible part of the product once installed

Technical data

lm system:	1355	CRI (minimum):	80
W system:	8.9	Colour temperature [K]:	3000
lm source:	1760	MacAdam Step:	3
W source:	8.9	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	152.3	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.) [%]:	77	Number of optical assemblies:	1

Polar



CIE
nL 0.77
90-98-99-99-77
UGR 17.2-16.5
DIN
A.62
UTE
0.76A+0.01T
F"1=898
F"1+F"2=979
F"1+F"2+F"3=994

Lux

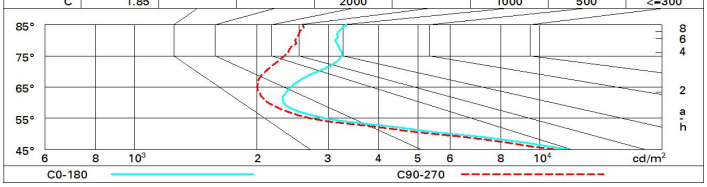
h	d1	d2	Em	Emax
1	1.2	1.2	933	1168
2	2.5	2.5	233	292
3	3.7	3.7	104	130
4	5	5	58	73

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

QC		G								
	A		1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300



UGR diagram

Corrected UGR values (at 1760 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	16.7	17.3	17.0	17.5	17.8	16.5	17.1	16.8	17.4	17.6
	3H	16.8	17.3	17.1	17.6	17.9	16.4	17.0	16.8	17.2	17.5
	4H	16.9	17.4	17.3	17.7	18.0	16.4	16.9	16.7	17.2	17.5
	6H	17.0	17.5	17.4	17.8	18.2	16.3	16.8	16.7	17.1	17.5
	8H	17.1	17.5	17.5	17.9	18.2	16.3	16.7	16.7	17.1	17.4
	12H	17.1	17.5	17.5	17.9	18.3	16.3	16.7	16.7	17.0	17.4
4H	2H	16.6	17.1	16.9	17.4	17.7	16.6	17.1	16.9	17.4	17.7
	3H	16.7	17.1	17.1	17.5	17.9	16.5	16.9	16.9	17.3	17.7
	4H	16.9	17.3	17.3	17.7	18.1	16.5	16.9	16.9	17.3	17.7
	6H	17.1	17.4	17.6	17.9	18.3	16.5	16.8	16.9	17.2	17.7
	8H	17.2	17.5	17.7	17.9	18.4	16.5	16.8	16.9	17.2	17.7
	12H	17.3	17.6	17.8	18.0	18.5	16.4	16.7	16.9	17.2	17.6
8H	4H	16.9	17.2	17.3	17.6	18.0	16.7	17.0	17.2	17.4	17.9
	6H	17.2	17.4	17.6	17.9	18.4	16.8	17.0	17.3	17.5	18.0
	8H	17.3	17.5	17.8	18.0	18.5	16.8	17.0	17.3	17.5	18.0
	12H	17.5	17.6	18.0	18.1	18.7	16.8	17.0	17.3	17.5	18.0
12H	4H	16.8	17.1	17.3	17.5	18.0	16.8	17.0	17.2	17.5	18.0
	6H	17.1	17.3	17.6	17.8	18.4	16.8	17.1	17.4	17.5	18.1
	8H	17.3	17.5	17.8	18.0	18.5	16.9	17.1	17.4	17.6	18.1

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

Crystal

Design iGuzzini **iGuzzini**

Last information update: February 2025

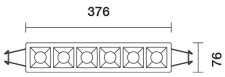
Product configuration: RD08.83
RD08.83: 6-cell recessed luminaire - General Lighting - DALI - Transparent/Black

Product code
RD08.83: 6-cell recessed luminaire - General Lighting - DALI - Transparent/Black

Technical description
Recessed luminaire consisting of a lamp device, 6-cell emission raster and operating components. Version for high emission general lighting. 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 generates a high performance light emission combined with a high energy yield. DALI dimmable driver connected to the luminaire.

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

Colour	**Weight (Kg)**
Black Transparent (83)	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

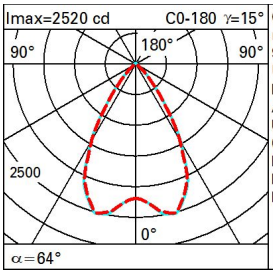
Complies with EN60598-1 and pertinent regulations

IP20 IP43 On the visible part of the product once installed

Technical data

lm system:	2734	Colour temperature [K]:	3000
W system:	20.8	MacAdam Step:	3
lm source:	3550	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	18	Lamp code:	LED
Luminous efficiency (lm/W, real value):	131.4	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	33	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	77	Control:	DALI-2
CRI (minimum):	80		

Polar



CIE
nL 0.77
90-98-99-99-77
UGR 17.4-16.6
DIN
A.62
UTE
0.76A+0.01T
F"1=898
F"1+F"2=979
F"1+F"2+F"3=994

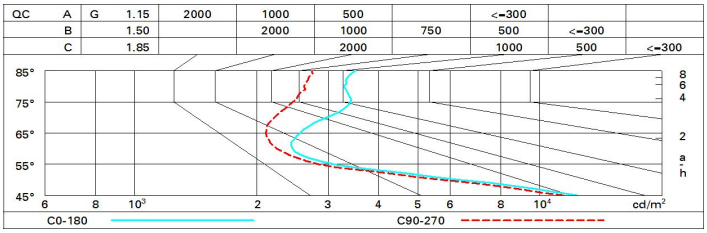
Lux

h	d1	d2	Em	Emax
2	2.5	2.5	470	589
4	5	5	118	147
6	7.5	7.5	52	65
8	10	10	29	37

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 3550 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	16.9	17.5	17.2	17.7	18.0	16.7	17.3	17.0	17.5	17.8
	3H	17.0	17.5	17.3	17.8	18.1	16.6	17.1	17.0	17.4	17.7
	4H	17.1	17.6	17.4	17.9	18.2	16.6	17.0	16.9	17.4	17.7
	6H	17.2	17.7	17.6	18.0	18.3	16.5	16.9	16.9	17.3	17.6
	8H	17.3	17.7	17.6	18.0	18.4	16.5	16.9	16.9	17.2	17.6
	12H	17.3	17.7	17.7	18.1	18.4	16.4	16.8	16.8	17.2	17.6
4H	2H	16.8	17.2	17.1	17.5	17.9	16.8	17.2	17.1	17.5	17.9
	3H	16.9	17.3	17.3	17.7	18.0	16.7	17.1	17.1	17.5	17.9
	4H	17.1	17.4	17.5	17.8	18.2	16.7	17.0	17.1	17.4	17.8
	6H	17.3	17.6	17.7	18.0	18.5	16.7	17.0	17.1	17.4	17.8
	8H	17.4	17.7	17.9	18.1	18.6	16.6	16.9	17.1	17.4	17.8
	12H	17.5	17.7	18.0	18.2	18.7	16.6	16.9	17.1	17.3	17.8
8H	4H	17.0	17.3	17.5	17.8	18.2	16.9	17.2	17.3	17.6	18.1
	6H	17.3	17.6	17.8	18.0	18.5	16.9	17.2	17.4	17.6	18.1
	8H	17.5	17.7	18.0	18.2	18.7	17.0	17.2	17.5	17.7	18.2
	12H	17.6	17.8	18.2	18.3	18.9	17.0	17.2	17.5	17.7	18.2
12H	4H	17.0	17.3	17.5	17.7	18.2	16.9	17.2	17.4	17.6	18.1
	6H	17.3	17.5	17.8	18.0	18.5	17.0	17.2	17.5	17.7	18.2
	8H	17.5	17.7	18.0	18.2	18.7	17.1	17.3	17.6	17.8	18.3

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

Crystal

Design iGuzzini **iGuzzini**

Last information update: February 2025

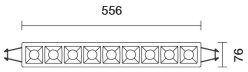
Product configuration: RD09.83
RD09.83: 9-cell recessed luminaire - General Lighting - DALI - Transparent/Black

Product code
RD09.83: 9-cell recessed luminaire - General Lighting - DALI - Transparent/Black

Technical description
Recessed luminaire consisting of a lamp device, 9-cell emission raster and operating components. Version for high emission general lighting. 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 generates a high performance light emission combined with a high energy yield. DALI dimmable driver connected to the luminaire.

Installation
recessed with steel wire contrast springs; slot to make in false ceiling: 63 x 543

Colour	Weight (Kg)
Black Transparent (83)	1.06



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

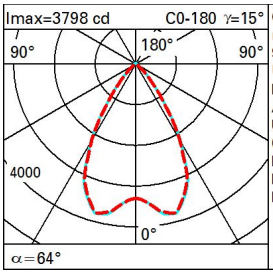
Complies with EN60598-1 and pertinent regulations

IP20 IP43 On the visible part of the product once installed

Technical data

lm system:	4120	Colour temperature [K]:	3000
W system:	30.6	MacAdam Step:	3
lm source:	5350	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	27	Lamp code:	LED
Luminous efficiency (lm/W, real value):	134.6	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	50	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	77	Control:	DALI-2
CRI (minimum):	80		

Polar



CIE
nL 0.77
90-98-99-99-77
UGR 17.5-16.7
DIN
A.62
UTE
0.76A+0.01T
F"1=898
F"1+F"2=979
F"1+F"2+F"3=994

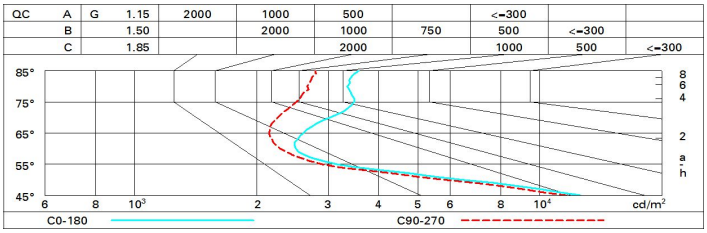
Lux

h	d1	d2	Em	Emax
2	2.5	2.5	709	887
4	5	5	177	222
6	7.5	7.5	79	99
8	10	10	44	55

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 5350 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	17.0	17.5	17.3	17.8	18.0	16.8	17.3	17.1	17.6	17.9
	3H	17.0	17.6	17.4	17.8	18.1	16.7	17.2	17.0	17.5	17.8
	4H	17.2	17.6	17.5	17.9	18.3	16.6	17.1	17.0	17.4	17.7
	6H	17.3	17.7	17.6	18.1	18.4	16.6	17.0	16.9	17.3	17.7
	8H	17.3	17.8	17.7	18.1	18.5	16.5	17.0	16.9	17.3	17.7
	12H	17.4	17.8	17.8	18.1	18.5	16.5	16.9	16.9	17.3	17.6
4H	2H	16.8	17.3	17.2	17.6	17.9	16.8	17.3	17.2	17.6	17.9
	3H	17.0	17.4	17.3	17.7	18.1	16.8	17.2	17.2	17.5	17.9
	4H	17.1	17.5	17.6	17.9	18.3	16.7	17.1	17.2	17.5	17.9
	6H	17.4	17.7	17.8	18.1	18.5	16.7	17.0	17.2	17.5	17.9
	8H	17.5	17.8	17.9	18.2	18.7	16.7	17.0	17.2	17.4	17.9
	12H	17.5	17.8	18.0	18.3	18.7	16.7	17.0	17.2	17.4	17.9
8H	4H	17.1	17.4	17.6	17.8	18.3	16.9	17.2	17.4	17.7	18.1
	6H	17.4	17.6	17.9	18.1	18.6	17.0	17.2	17.5	17.7	18.2
	8H	17.5	17.8	18.0	18.2	18.8	17.0	17.2	17.5	17.7	18.3
	12H	17.7	17.9	18.2	18.4	18.9	17.1	17.2	17.6	17.7	18.3
12H	4H	17.1	17.3	17.5	17.8	18.3	17.0	17.3	17.5	17.7	18.2
	6H	17.4	17.6	17.9	18.1	18.6	17.1	17.3	17.6	17.8	18.3
	8H	17.6	17.7	18.1	18.2	18.8	17.2	17.3	17.7	17.8	18.4

Variations with the observer position at spacing:

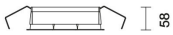
S =			
	1.0H	2.8 / -3.0	3.0 / -3.6
	1.5H	5.1 / -3.4	5.4 / -4.0
	2.0H	7.0 / -3.5	7.3 / -4.1

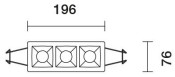
Crystal

Design iGuzzini **iGuzzini**

Last information update: February 2025

Product configuration: RE61.83
RE61.83: 3-cell recessed luminaire - MEDIUM beam - Transparent/Black





Product code
RE61.83: 3-cell recessed luminaire - MEDIUM beam - Transparent/Black

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 focused optics - medium opening. 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 an emission with a concentrated flux, recommended for lighting environments with a linear layout (e.g. corridors, galleries and aisles). The accessory wiring components 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	**Weight (Kg)**
Black Transparent (83)	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. The product can also be connected to centralised emergency systems in compliance with the EN60598-2-22 standard. For more detailed information, see 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

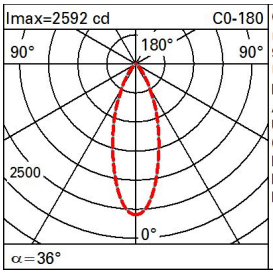
Complies with EN60598-1 and pertinent regulations

IP20 IP43 On the visible part of the product once installed

Technical data

lm system:	1338	CRI (minimum):	80
W system:	8.9	Colour temperature [K]:	3000
lm source:	1760	MacAdam Step:	3
W source:	8.9	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	150.3	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]:	13	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	76	Number of optical assemblies:	1
Beam angle [°]:	36°		

Polar



CIE
nL 0.76
91-98-99-99-76
UGR 15.8-14.9
DIN
A.62
UTE
0.75A+0.01T
F"1=910
F"1+F"2=979
F"1+F"2+F"3=994

Lux

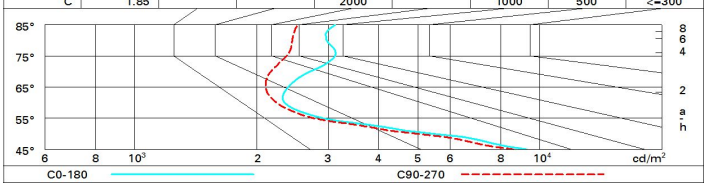
h	d1	d2	Em	Emax
2	1.3	1.3	486	648
4	2.6	2.6	122	162
6	3.9	3.9	54	72
8	5.2	5.2	30	41

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	65	61	58	56	60	57	57	54	72
1.0	69	65	62	60	64	61	61	58	77
1.5	73	70	68	66	69	67	66	63	84
2.0	76	73	72	70	72	71	70	67	89
2.5	77	76	74	73	74	73	72	70	92
3.0	78	77	76	75	76	75	74	71	95
4.0	80	78	78	77	77	76	75	73	97
5.0	80	79	79	78	78	77	76	74	98

Luminance curve limit

QC		G								
	A		1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300



UGR diagram

Corrected UGR values (at 1760 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	14.6	15.4	14.9	15.6	15.9	14.5	15.2	14.8	15.5	15.7
	3H	14.9	15.5	15.2	15.8	16.1	14.4	15.1	14.8	15.4	15.7
	4H	15.1	15.7	15.4	16.0	16.3	14.4	15.0	14.7	15.3	15.6
	6H	15.3	15.9	15.7	16.2	16.5	14.3	14.9	14.7	15.2	15.6
	8H	15.4	15.9	15.8	16.3	16.6	14.3	14.8	14.7	15.2	15.6
	12H	15.5	16.0	15.9	16.3	16.7	14.3	14.8	14.7	15.1	15.5
4H	2H	14.5	15.1	14.9	15.4	15.8	14.7	15.3	15.1	15.6	16.0
	3H	14.9	15.4	15.3	15.7	16.1	14.8	15.3	15.2	15.6	16.0
	4H	15.2	15.7	15.7	16.1	16.5	14.8	15.3	15.2	15.6	16.0
	6H	15.6	16.0	16.1	16.4	16.9	14.8	15.2	15.3	15.6	16.1
	8H	15.8	16.1	16.2	16.6	17.0	14.9	15.2	15.3	15.6	16.1
	12H	15.9	16.2	16.4	16.7	17.1	14.8	15.2	15.3	15.6	16.1
8H	4H	15.3	15.6	15.7	16.1	16.5	15.2	15.6	15.7	16.0	16.4
	6H	15.8	16.0	16.2	16.5	17.0	15.4	15.6	15.8	16.1	16.6
	8H	16.0	16.2	16.5	16.7	17.2	15.4	15.7	15.9	16.2	16.7
	12H	16.2	16.4	16.7	16.9	17.4	15.5	15.7	16.0	16.2	16.8
12H	4H	15.2	15.6	15.7	16.0	16.5	15.3	15.6	15.8	16.1	16.5
	6H	15.8	16.0	16.3	16.5	17.0	15.5	15.7	16.0	16.2	16.7
	8H	16.0	16.2	16.5	16.7	17.3	15.6	15.8	16.1	16.3	16.9

Variations with the observer position at spacing:

S =			
	1.0H	1.9 / -1.9	2.1 / -2.2
	1.5H	3.9 / -2.2	4.2 / -2.6
	2.0H	5.6 / -2.4	6.0 / -2.8

Crystal

Design iGuzzini **iGuzzini**

Last information update: February 2025

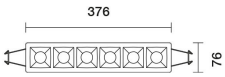
Product configuration: RE62.83
RE62.83: 6-cell recessed luminaire - MEDIUM beam - DALI - Transparent/Black

Product code
RE62.83: 6-cell recessed luminaire - MEDIUM beam - DALI - Transparent/Black

Technical description
Recessed luminaire consisting of a lamp device, 6-cell emission raster and operating components. Version with focused optics - medium opening. 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 an emission with a concentrated flux, recommended for lighting environments with a linear layout (e.g. corridors, galleries and aisles). DALI dimmable driver connected to the luminaire.

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

Colour	**Weight (Kg)**
Black Transparent (83)	1



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

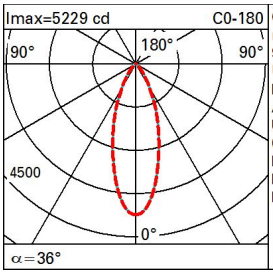
Complies with EN60598-1 and pertinent regulations

IP20 IP43 On the visible part of the product once installed

Technical data

lm system:	2698	CRI (minimum):	80
W system:	20.8	Colour temperature [K]:	3000
lm source:	3550	MacAdam Step:	3
W source:	18	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	129.7	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]:	26	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	76	Number of optical assemblies:	1
Beam angle [°]:	36°	Control:	DALI-2

Polar



CIE
nL 0.76
91-98-99-99-76
UGR 15.9-15.0
DIN
A.62
UTE
0.75A+0.01T
F"1=910
F"1+F"2=979
F"1+F"2+F"3=994

Lux

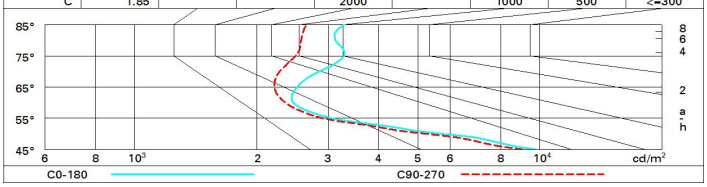
h	d1	d2	Em	Emax
2	1.3	1.3	981	1307
4	2.6	2.6	245	327
6	3.9	3.9	109	145
8	5.2	5.2	61	82

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	65	61	58	56	60	57	57	54	72
1.0	69	65	62	60	64	61	61	58	77
1.5	73	70	68	66	69	67	66	63	84
2.0	76	73	72	70	72	71	70	67	89
2.5	77	76	74	73	74	73	72	70	92
3.0	78	77	76	75	76	75	74	71	95
4.0	80	78	78	77	77	76	75	73	97
5.0	80	79	79	78	78	77	76	74	98

Luminance curve limit

QC		G								
	A		1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300



UGR diagram

Corrected UGR values (at 3550 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	14.8	15.5	15.1	15.8	16.0	14.7	15.4	15.0	15.6	15.9
	3H	15.0	15.7	15.4	16.0	16.3	14.6	15.2	14.9	15.5	15.8
	4H	15.3	15.9	15.6	16.2	16.5	14.6	15.2	14.9	15.5	15.8
	6H	15.5	16.0	15.9	16.4	16.7	14.5	15.1	14.9	15.4	15.7
	8H	15.6	16.1	16.0	16.4	16.8	14.5	15.0	14.9	15.4	15.7
	12H	15.6	16.2	16.0	16.5	16.9	14.5	15.0	14.9	15.3	15.7
4H	2H	14.7	15.3	15.1	15.6	15.9	14.9	15.5	15.3	15.8	16.1
	3H	15.1	15.6	15.5	15.9	16.3	15.0	15.5	15.4	15.8	16.2
	4H	15.4	15.9	15.8	16.2	16.6	15.0	15.4	15.4	15.8	16.2
	6H	15.8	16.2	16.2	16.6	17.0	15.0	15.4	15.5	15.8	16.3
	8H	15.9	16.3	16.4	16.7	17.2	15.0	15.4	15.5	15.8	16.3
	12H	16.1	16.4	16.5	16.8	17.3	15.0	15.3	15.5	15.8	16.3
8H	4H	15.4	15.8	15.9	16.2	16.7	15.4	15.7	15.8	16.2	16.6
	6H	15.9	16.2	16.4	16.7	17.2	15.5	15.8	16.0	16.3	16.8
	8H	16.1	16.4	16.6	16.9	17.4	15.6	15.9	16.1	16.3	16.9
	12H	16.4	16.6	16.9	17.1	17.6	15.7	15.9	16.2	16.4	16.9
12H	4H	15.4	15.7	15.9	16.2	16.7	15.5	15.8	15.9	16.2	16.7
	6H	15.9	16.2	16.4	16.7	17.2	15.7	15.9	16.2	16.4	16.9
	8H	16.2	16.4	16.7	16.9	17.4	15.8	16.0	16.3	16.5	17.1

Variations with the observer position at spacing:

S =			
	1.0H	1.9 / -1.9	2.1 / -2.2
	1.5H	3.9 / -2.2	4.2 / -2.6
	2.0H	5.6 / -2.4	6.0 / -2.8