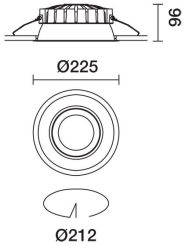
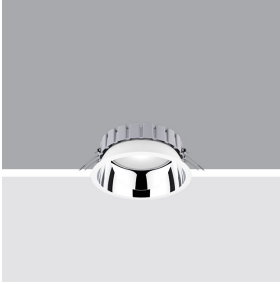


Last information update: March 2025

**Product configuration: R465**

R465: Ø 225 - 3000K - CRI80 - UGR<19 - INVERTER



**Product code**

R465: Ø 225 - 3000K - CRI80 - UGR<19 - INVERTER

**Technical description**

Round fixed luminaire designed to use LED lamps with C.o.B. technology. Version with rim for surface-mounting. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Dissipater made of painted grey die-cast aluminium. Product complete with LED lamp in warm white colour tone (3000K) and microfilm that is able to guarantee a light beam of UGR<19 L<3000 cd/m<sup>2</sup>, which is ideal for environments with video terminals. Luminaire complete with inverter unit for safety light.

**Installation**

Recessed using torsion springs which allow easy installation in false ceilings with thicknesses ranging from 1 mm to 20 mm.

**Colour**

White / Aluminium (39)

**Weight (Kg)**

1.68

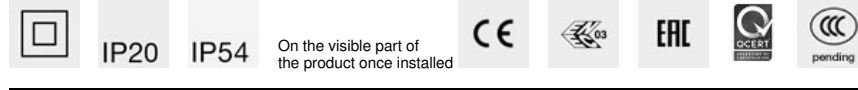
**Mounting**

ceiling surface

**Wiring**

Product complete with INVERTER for safety light.

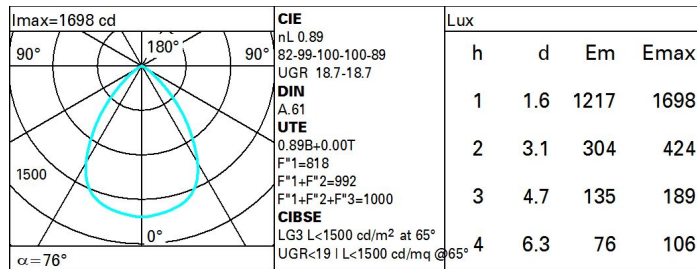
Complies with EN60598-1 and pertinent regulations



**Technical data**

lm system:	2403	Colour temperature [K]:	3000
W system:	22.7	MacAdam Step:	2
lm source:	2700	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	16	Lamp code:	LED
Luminous efficiency (lm/W, real value):	105.9	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]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	89	Control:	On/off
CRI (minimum):	80		

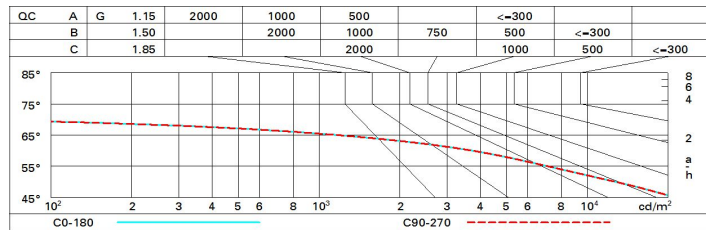
**Polar**



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	67	63	59	66	62	62	58	65
1.0	78	72	68	66	71	68	67	63	71
1.5	84	80	77	74	79	76	75	72	81
2.0	88	85	82	80	83	81	80	77	87
2.5	90	87	86	84	86	84	83	80	90
3.0	91	89	88	86	88	86	85	82	93
4.0	93	91	90	89	89	88	87	84	95
5.0	93	92	91	90	90	90	88	85	96

Luminance curve limit



UGR diagram

Corrected UGR values (at 2700 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
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		viewed crosswise					viewed endwise				
x	y										
2H	2H	19.3	20.0	19.6	20.3	20.5	19.3	20.0	19.6	20.3	20.5
	3H	19.1	19.8	19.4	20.1	20.4	19.2	19.9	19.5	20.2	20.4
	4H	19.0	19.7	19.4	20.0	20.3	19.1	19.8	19.5	20.1	20.4
	6H	19.0	19.6	19.3	19.9	20.2	19.0	19.6	19.4	19.9	20.3
	8H	18.9	19.5	19.3	19.8	20.2	19.0	19.6	19.4	19.9	20.2
4H	2H	19.1	19.8	19.5	20.1	20.4	19.0	19.7	19.4	20.0	20.3
	3H	19.0	19.5	19.3	19.8	20.2	19.0	19.5	19.3	19.8	20.2
	4H	18.9	19.4	19.3	19.7	20.1	18.9	19.4	19.3	19.7	20.1
	6H	18.8	19.2	19.2	19.6	20.0	18.8	19.2	19.2	19.6	20.0
	8H	18.7	19.1	19.2	19.5	20.0	18.7	19.1	19.2	19.5	20.0
8H	2H	18.7	19.1	19.2	19.5	20.0	18.7	19.1	19.2	19.5	20.0
	6H	18.7	19.0	19.1	19.4	19.9	18.7	19.0	19.1	19.4	19.9
	8H	18.6	18.9	19.1	19.3	19.8	18.6	18.9	19.1	19.3	19.8
	12H	18.6	18.8	19.1	19.3	19.8	18.6	18.8	19.1	19.3	19.8
	12H	4H	18.7	19.0	19.2	19.5	19.9	18.7	19.0	19.2	19.5
6H		18.6	18.9	19.1	19.3	19.8	18.6	18.9	19.1	19.3	19.8
8H		18.6	18.8	19.1	19.3	19.8	18.6	18.8	19.1	19.3	19.8

Variations with the observer position at spacing:

S =	1.0H	2.0 / -4.8	2.0 / -4.8
	1.5H	4.0 / -11.1	4.0 / -11.1
	2.0H	5.9 / -24.0	5.9 / -24.0