

Last information update: March 2025

**Product configuration: R474.83**

R474.83: Ø 153 - 4000K - CRI80 - UGR&lt;19 - INVERTER - Black Transparent

**Product code**

R474.83: Ø 153 - 4000K - CRI80 - UGR&lt;19 - INVERTER - Black Transparent

**Technical description**

Round fixed luminaire designed to use LED lamps with C.o.B. technology. Version with rim for surface-mounting. Prismatic thermoplastic reflector complete with flux enhancer. Optic available with two finishes, clear white or clear black. Dissipater made of painted grey die-cast aluminium. Product complete with LED lamp in neutral white colour tone (4000K) 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 for safety light.

**Installation**

Recessed using torsion springs which allow easy installation in false ceilings with thicknesses ranging from 1 mm to 25 mm.

**Colour**

Black Transparent (83)

**Weight (Kg)**

1.13

**Mounting**

ceiling surface

**Wiring**

Product complete with INVERTER for safety light.

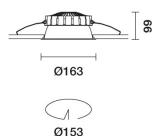
Complies with EN60598-1 and pertinent regulations



IP20

IP54

On the visible part of the product once installed

**Technical data**

lm system:	1445	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	15.4	Lamp code:	LED
lm source:	1700	Number of lamps for optical assembly:	1
W source:	9.6	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	93.8	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	20 A / 200 µs
Light Output Ratio (L.O.R.) [%]:	85	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 14 luminaires B16A: 23 luminaires C10A: 23 luminaires C16A: 39 luminaires
CRI (minimum):	80	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	4000	Control:	On/off
MacAdam Step:	2		

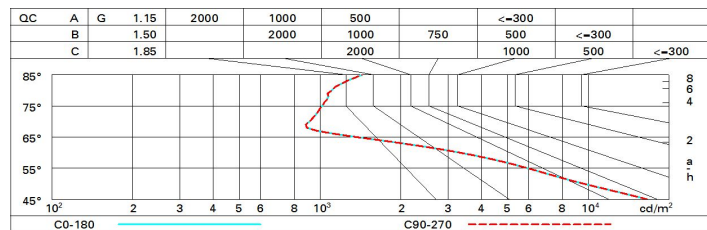
**Polar**

Imax=1047 cd		CIE		Lux			
90°		nL 0.85		h	d	Em	Emax
180°		83-98-100-100-85		1	1.5	765	1001
90°		UGR 18.0-17.9		2	3	191	250
1000		DIN A.61		3	4.5	85	111
0°		UTE 0.85B+0.00T		4	6	48	63
α=74°		F*1=831					
		F*1+F*2=984					
		F*1+F*2+F*3=997					
		CIBSE LG3 L<1500 cd/m <sup>2</sup> at 65°					
		UGR<19   L<1500 cd/mq @65°					

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	64	61	58	64	60	60	56	66
1.0	75	70	66	63	69	65	65	61	72
1.5	80	77	74	71	76	73	72	69	81
2.0	84	81	79	77	80	78	77	74	87
2.5	86	84	82	80	82	81	80	77	90
3.0	87	85	84	82	84	83	81	79	93
4.0	88	87	86	85	86	85	83	81	95
5.0	89	88	87	86	87	86	84	82	96

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 1700 lm bare lamp luminous flux)											
Reflect.: ceiling/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	18.4	19.1	18.7	19.4	19.6	18.4	19.1	18.7	19.4	19.6
	3H	18.2	18.9	18.6	19.2	19.5	18.3	19.0	18.6	19.2	19.5
	4H	18.2	18.8	18.5	19.1	19.4	18.2	18.9	18.6	19.2	19.5
	6H	18.1	18.7	18.5	19.0	19.4	18.1	18.7	18.5	19.0	19.4
	8H	18.1	18.7	18.5	19.0	19.3	18.1	18.7	18.5	19.0	19.3
	12H	18.1	18.6	18.5	19.0	19.3	18.1	18.6	18.5	18.9	19.3
4H	2H	18.2	18.9	18.6	19.2	19.5	18.2	18.8	18.5	19.1	19.4
	3H	18.1	18.6	18.5	19.0	19.3	18.1	18.7	18.5	19.0	19.4
	4H	18.0	18.5	18.4	18.9	19.3	18.0	18.5	18.4	18.9	19.3
	6H	18.0	18.4	18.4	18.8	19.2	18.0	18.4	18.4	18.8	19.2
	8H	18.0	18.3	18.4	18.8	19.2	17.9	18.3	18.4	18.7	19.2
	12H	17.9	18.3	18.4	18.7	19.2	17.9	18.2	18.3	18.7	19.1
8H	4H	17.9	18.3	18.4	18.7	19.2	18.0	18.3	18.4	18.8	19.2
	6H	17.9	18.2	18.4	18.6	19.1	17.9	18.2	18.4	18.7	19.1
	8H	17.9	18.1	18.4	18.6	19.1	17.9	18.1	18.4	18.6	19.1
	12H	17.9	18.1	18.4	18.6	19.1	17.8	18.1	18.3	18.6	19.1
12H	4H	17.9	18.2	18.3	18.7	19.1	17.9	18.3	18.4	18.7	19.2
	6H	17.8	18.1	18.3	18.6	19.1	17.9	18.2	18.4	18.6	19.1
	8H	17.8	18.1	18.3	18.6	19.1	17.9	18.1	18.4	18.6	19.1
Variations with the observer position at spacing:											
S =	1.0H	2.2 / -4.2					2.2 / -4.2				
	1.5H	4.3 / -7.5					4.3 / -7.5				
	2.0H	6.3 / -9.4					6.3 / -9.4				