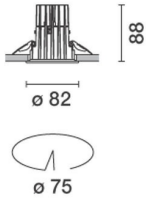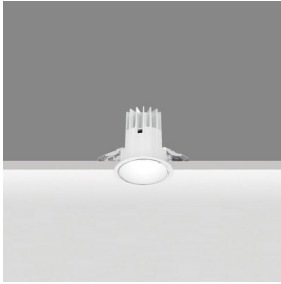## Reflex

Last information update: May 2018

Fixed circular recessed luminaire - Ø 75 mm - neutral white - white optic

Product code
P586

Technical description
Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Reflector painted white with a layer of anti-scratch protection. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in neutral white colour tone (4,000K). General lighting beam.

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

Dimension (mm)
Ø82x88

Colour
White (01)

Weight (Kg)
0.41

Mounting
ceiling recessed

Wiring
product complete with an electronic ballast

Complies with EN60598-1 and pertinent regulations

IP20 IP54 On the visible part of the product once installed

CE A++

Product configuration: P586

Product characteristics

Total lighting output [Lm]: 650	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 9	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 72.2	Voltage [V]: -
Life Time: 50,000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 65	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 2.7
Nominal power [W]: 6.3	Colour temperature [K]: 4000
Nominal luminous [Lm]: 1000	CRI: 80
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 62°	MacAdam Step: 2

Polar

Imax=537 cd

CIE
nL 0.65
73-91-98-100-65
UGR 26.1-25.8
DIN
A.51
UTE
0.65B+0.00T
F"1=731
F"1+F"2=909
F"1+F"2+F"3=983

α=62°

h	d	Em	Emax
1	1.2	393	537
2	2.4	98	134
3	3.6	44	60
4	4.8	25	34
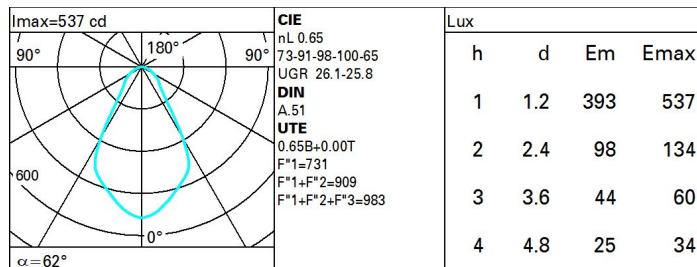
Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	51	45	42	39	45	42	41	38	58
1.0	54	49	46	44	49	46	45	42	65
1.5	59	55	53	50	54	52	51	48	74
2.0	62	59	57	55	58	56	55	53	81
2.5	64	62	60	58	60	59	58	55	85
3.0	65	63	62	60	62	61	60	57	88
4.0	67	65	64	63	64	63	62	59	91
5.0	67	66	65	64	65	64	63	61	93

Luminance curve limit

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

C0-180   C90-270
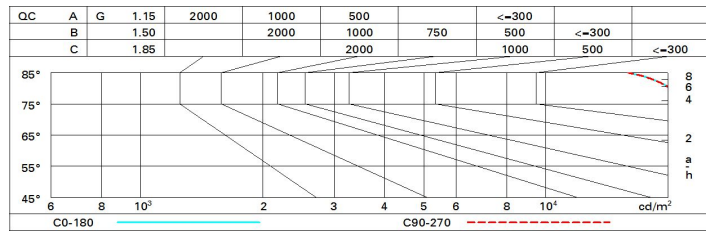
UGR diagram

Corrected UGR values (at 1000 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 x	y			viewed crosswise					viewed endwise		
2H	2H	23.5	24.4	23.8	24.7	24.9	23.5	24.4	23.8	24.7	24.9
	3H	24.5	25.3	24.8	25.6	25.9	23.8	24.7	24.2	25.0	25.3
	4H	24.8	25.6	25.2	25.9	26.3	23.9	24.7	24.3	25.0	25.4
	6H	25.1	25.8	25.5	26.2	26.5	24.0	24.7	24.3	25.0	25.4
	8H	25.2	25.9	25.6	26.2	26.6	24.0	24.7	24.3	25.0	25.3
	12H	25.2	25.9	25.6	26.3	26.6	23.9	24.6	24.3	24.9	25.3
4H	2H	23.9	24.7	24.3	25.0	25.4	24.8	25.6	25.2	25.9	26.3
	3H	25.1	25.8	25.5	26.1	26.5	25.4	26.0	25.8	26.4	26.8
	4H	25.6	26.2	26.0	26.6	27.0	25.6	26.2	26.0	26.6	27.0
	6H	26.0	26.5	26.4	26.9	27.3	25.7	26.3	26.2	26.7	27.1
	8H	26.1	26.6	26.5	27.0	27.4	25.8	26.2	26.2	26.7	27.1
	12H	26.1	26.6	26.6	27.0	27.5	25.8	26.2	26.2	26.6	27.1
8H	4H	25.8	26.2	26.2	26.7	27.1	26.1	26.6	26.5	27.0	27.4
	6H	26.2	26.6	26.7	27.1	27.6	26.3	26.7	26.8	27.2	27.7
	8H	26.4	26.8	26.9	27.2	27.7	26.4	26.8	26.9	27.2	27.7
	12H	26.5	26.8	27.0	27.3	27.8	26.5	26.8	27.0	27.2	27.8
12H	4H	25.8	26.2	26.2	26.6	27.1	26.1	26.6	26.6	27.0	27.5
	6H	26.3	26.6	26.8	27.1	27.6	26.4	26.8	26.9	27.2	27.7
	8H	26.5	26.8	27.0	27.2	27.8	26.5	26.8	27.0	27.3	27.8

Variations with the observer position at spacing:

S =				
	1.0H	0.3 / -0.3		0.3 / -0.3
	1.5H	0.7 / -0.7		0.7 / -0.7
	2.0H	1.3 / -1.1		1.3 / -1.1