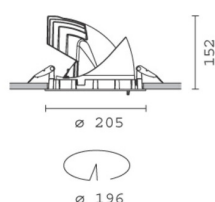# Pixel Plus

Design iGuzzini	iGuzzini

Last information update: April 2024

Product configuration: N392
N392: extractable, adjustable, recessed LED luminaire - DALI control gear included

Product code
N392: extractable, adjustable, recessed LED luminaire - DALI control gear included

Technical description
Extractable, adjustable, recessed luminaire for neutral white LED lamp. Passive heat dispersion system. Die-cast aluminium main body and frame; stainless steel rotation hinge. Rotation ring with safety cover in a high resistance thermoplastic material. Body adjusted with a manual manoeuvre device: internal 40° - external 65° - rotation on 355° axis. Reflector with high efficiency super-pure aluminium optic - wideflood beam angle. Die-cast aluminium lamp body closure ring. Tempered transparent glass screen. Dimmerable DALI control gear supplied and connected to the luminaire.

Installation
recessed using steel springs in false ceilings with thicknesses starting at 1 mm; preparation hole Ø 195 mm

Colour	Weight (Kg)
White (01)	1.7

Mounting
ceiling recessed

Wiring
on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations

IP20 IP23 On the visible part of the product once installed CE UKCA ⟨03⟩ ⟨S⟩ EAC NOM

Technical data

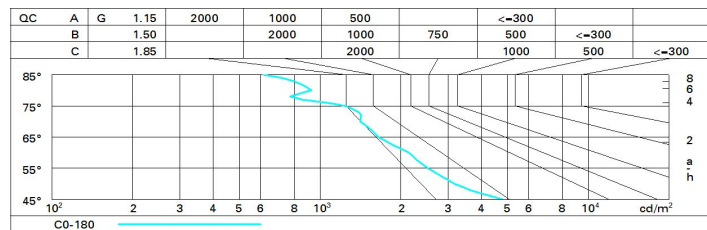|			
lm system:	4095	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	34.7	Lamp code:	LED
lm source:	5190	Number of lamps for optical assembly:	1
W source:	31	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	118	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	30 A / 200 µs
Light Output Ratio (L.O.R.) [%]:	79	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 12 luminaires B16A: 20 luminaires C10A: 20 luminaires C16A: 34 luminaires
Beam angle [°]:	48°		
CRI (minimum):	80		
Colour temperature [K]:	4000	Minimum dimming %:	1
MacAdam Step:	2	Overvoltage protection:	2kV Common mode & 2kV Differential mode
		Control:	DALI-2

Polar

Imax=6683 cd

CIE
nL 0.79
99-100-100-100-79
UGR 15.7-15.7
DIN
A.61
UTE
0.79A+0.00T
F"1=988
F"1+F"2=997
F"1+F"2+F"3=1000
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<16 | L<3000 cd/mq @65°

α=48°

Lux			
h	d	Em	Emax
2	1.8	1321	1671
4	3.6	330	418
6	5.3	147	186
8	7.1	83	104

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	67	65	63	67	64	64	61	78
1.0	74	71	68	67	70	68	67	65	82
1.5	78	75	73	72	74	73	72	70	88
2.0	80	78	77	76	77	76	75	73	93
2.5	82	80	79	78	79	78	77	75	95
3.0	83	82	81	80	81	80	79	77	97
4.0	84	83	83	82	82	81	80	78	99
5.0	84	84	83	83	82	82	81	79	100

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

UGR diagram

Corrected UGR values (at 5190 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					viewed			
x	y		crosswise					endwise			
2H	2H	16.2	16.8	16.5	17.0	17.3	16.2	16.8	16.5	17.0	17.3
	3H	16.1	16.6	16.4	16.9	17.2	16.1	16.6	16.4	16.9	17.2
	4H	16.1	16.5	16.4	16.8	17.1	16.0	16.5	16.4	16.8	17.1
	6H	16.0	16.4	16.3	16.7	17.0	16.0	16.4	16.3	16.7	17.0
	8H	15.9	16.4	16.3	16.7	17.0	15.9	16.3	16.3	16.7	17.0
	12H	15.9	16.3	16.3	16.6	17.0	15.9	16.3	16.3	16.6	17.0
4H	2H	16.0	16.5	16.4	16.8	17.1	16.1	16.5	16.4	16.8	17.1
	3H	15.9	16.3	16.3	16.6	17.0	15.9	16.3	16.3	16.7	17.0
	4H	15.8	16.2	16.2	16.5	16.9	15.8	16.2	16.2	16.5	16.9
	6H	15.8	16.1	16.2	16.5	16.9	15.7	16.1	16.2	16.5	16.9
	8H	15.7	16.0	16.1	16.4	16.8	15.7	16.0	16.1	16.4	16.8
	12H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.1	16.3	16.8
8H	4H	15.7	16.0	16.1	16.4	16.8	15.7	16.0	16.1	16.4	16.8
	6H	15.6	15.9	16.1	16.3	16.8	15.6	15.9	16.1	16.3	16.8
	8H	15.6	15.8	16.1	16.2	16.7	15.6	15.8	16.1	16.2	16.7
	12H	15.5	15.7	16.0	16.2	16.7	15.5	15.7	16.0	16.2	16.7
12H	4H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.1	16.3	16.8
	6H	15.6	15.8	16.0	16.2	16.7	15.6	15.8	16.1	16.2	16.7
	8H	15.5	15.7	16.0	16.2	16.7	15.5	15.7	16.0	16.2	16.7

Variations with the observer position at spacing:

S =	1.0H	6.1 / -11.5	6.1 / -11.5
	1.5H	8.9 / -12.3	8.9 / -12.3
	2.0H	10.9 / -13.0	10.9 / -13.0