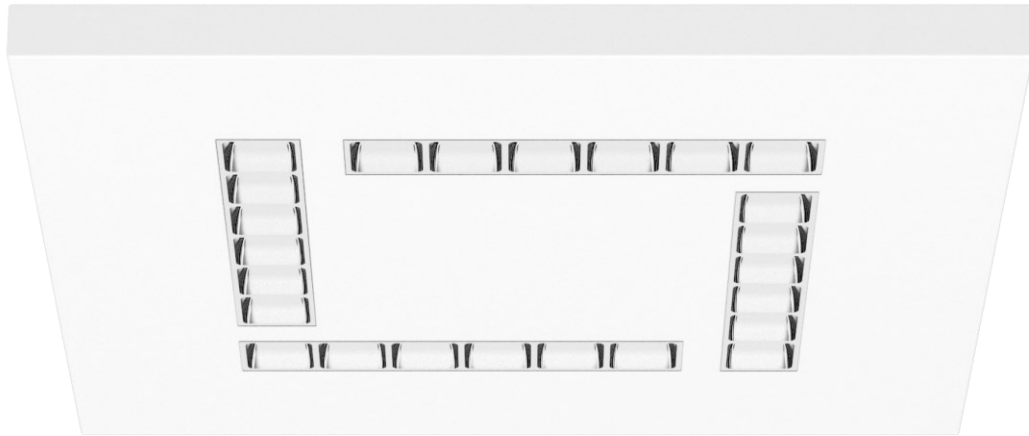


MODUX P5





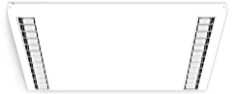
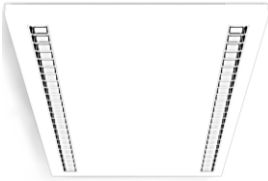





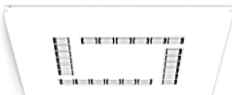








LUXINTEC

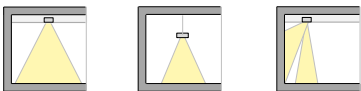
Modular comfort

MODUX P5

MODELS

	PQ5	PL5	PD5	PU5
Model				
Dimensions	60x60 	120x60 	120x30 	
Mounting	Modular ceiling 	Recessed 	Surface 	Suspended 
Reflector or cover	Specular UGR3D reflector 	White UGR3D reflector 	Black UGR3D reflector 	Diffuse cover 
Colour	White 	Grey 	Black 	

TYPES OF LIGHTING



APPLICATION AREAS

Open space offices



Offices



Classrooms



Consultation room



Corridors

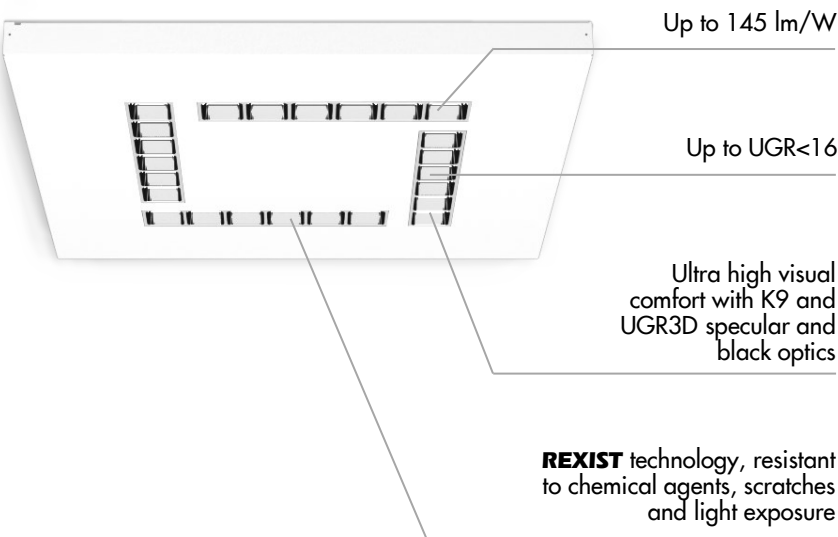


Meeting rooms

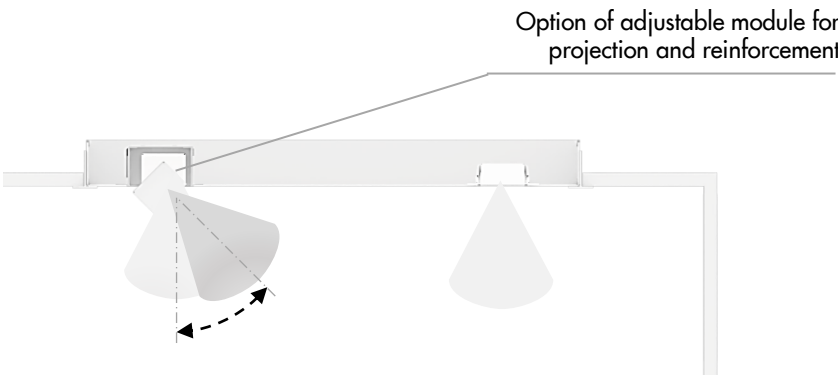
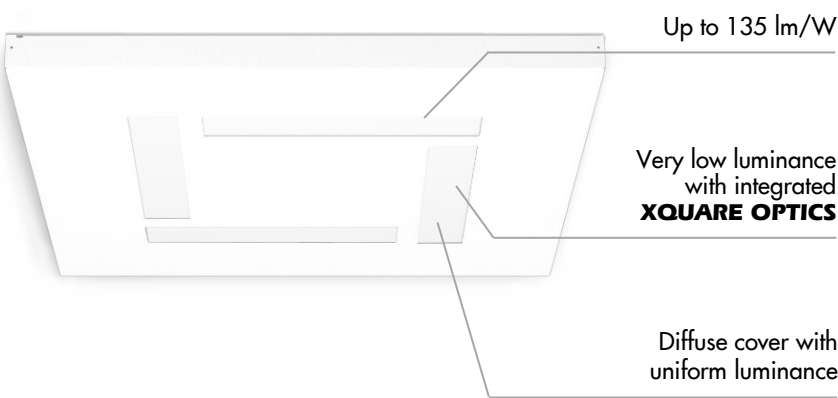


- **XQUARE OPTICS** to improve illuminance and light color uniformity
- Photobiological risk 0 in the visual field of work
- Perceivable flicker-free light emission, <3%
- **REFIXT**: replaceable light modules, power supply and sensors for maintenance and reuse of the rest of the structure indefinitely.
- More than 90% of the weight in aluminum and steel infinitely reusable.
- Less than 10% by weight in plastics
- Optional:
 - IP65 CR for clean rooms and operating rooms
 - 2700..6500K dynamic White
 - Light and presence detector
 - Wireless dimming
 - Emergency kit 1 or 3 hours of autonomy

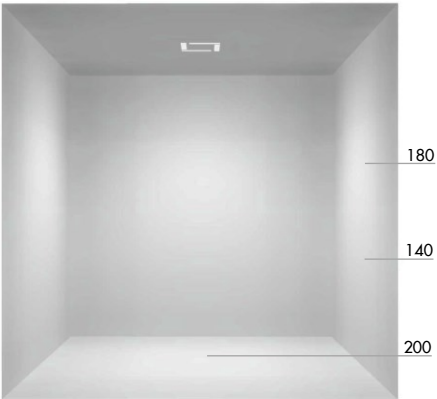
With reflector



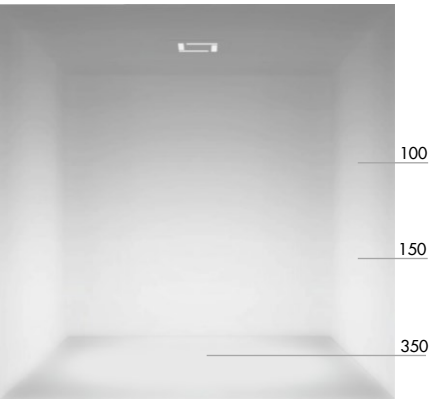
With diffuse cover



D optics



Q7 optics, white UGR3D reflector



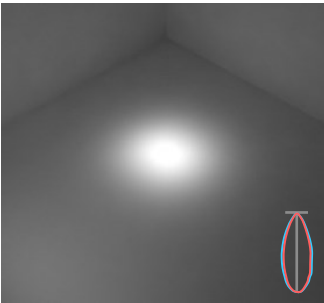
K9 optics, specular UGR3D reflector



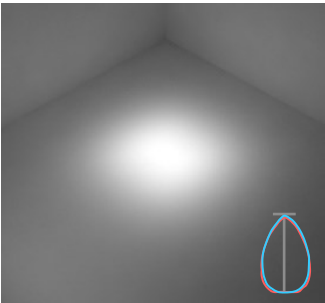
Values in lux at 3 metres height for MODUX PQ5 and PL5 60x60 35W 4000K essential CRI 80+.

PHOTOMETRIES

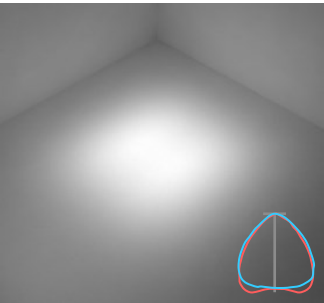
XQUARE OPTICS S4 40°



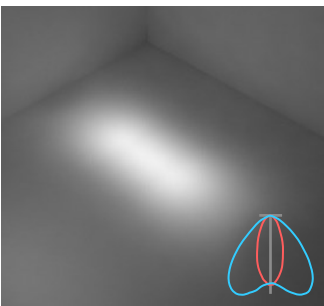
XQUARE OPTICS Q7 70° x 70°



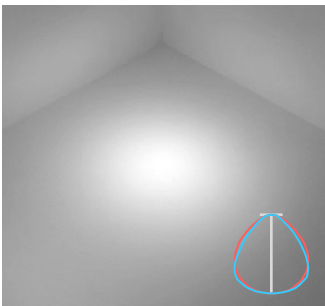
XQUARE OPTICS Q9 90° x 90°



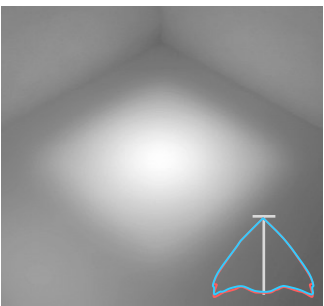
XQUARE OPTICS R4L 40° x 90°



D 105°



K9 OPTICS K9 90° x 90°

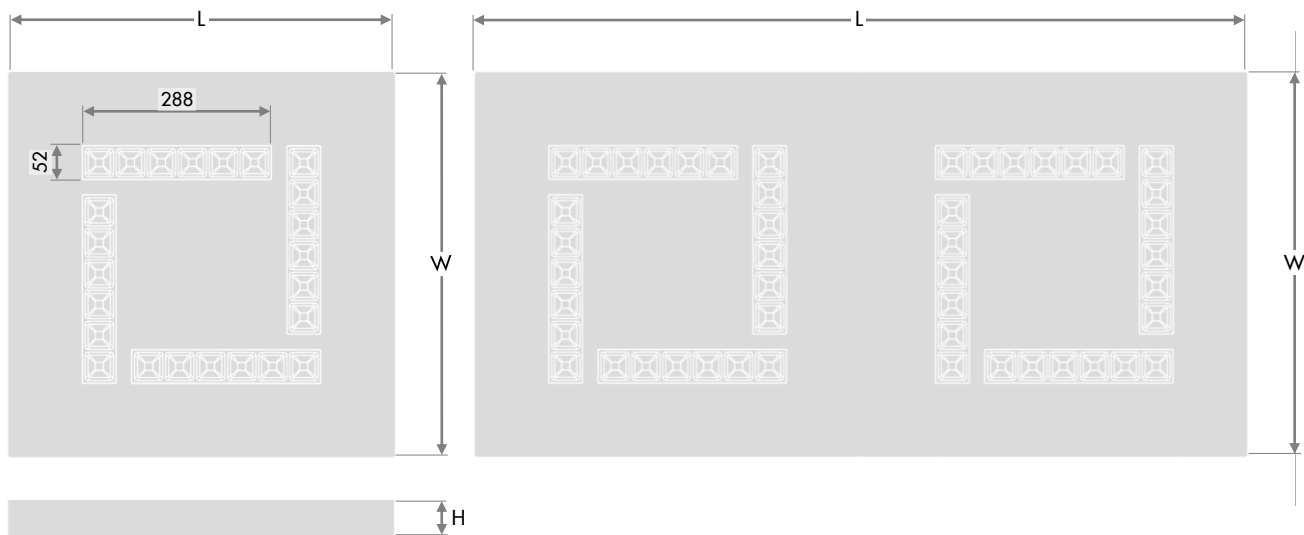


Isolux curves: — 0° - 180° — 90° - 270°

FLUJOS LUMINOSOS

VERSION	POWER RATING (W)	3000K essential CRI 80+		4000K essential CRI 80+		4000K natural CRI 90+	
		LUMINOUS FLUX (lm)	LIGHTING EFFICIENCY (lm/W)	LUMINOUS FLUX (lm)	LIGHTING EFFICIENCY (lm/W)	LUMINOUS FLUX (lm)	LIGHTING EFFICIENCY (lm/W)
MODUX PQ5 y PL5 60x60 D optics	25	3251	130	3352	134	2548	102
	35	4604	132	4747	137	3608	103
MODUX PQ5 y PL5 60x60 K9 optics Specular UGR3D reflector	25	3516	141	3625	145	2755	110
	35	4979	142	5134	147	3902	111
MODUX PQ5 y PL5 60x60 Q7 optics White UGR3D reflector	25	3024	121	3118	125	2370	95
	35	4283	122	4416	126	3356	96

Typical values at 25°C ambient temperature. Total luminaire flux. Access www.luxintec.com for photometric files of all versions.

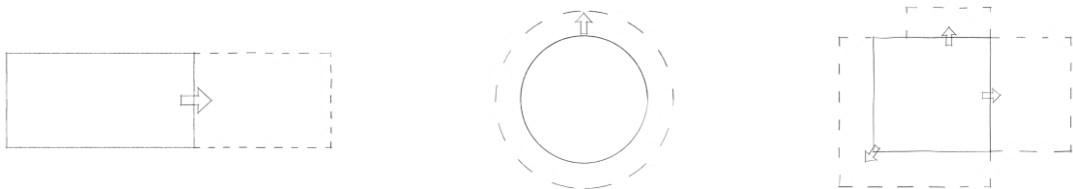


VERSION	L	W	H
60x60	590	590	33
120x30	1190	290	33
120x60	1190	590	33

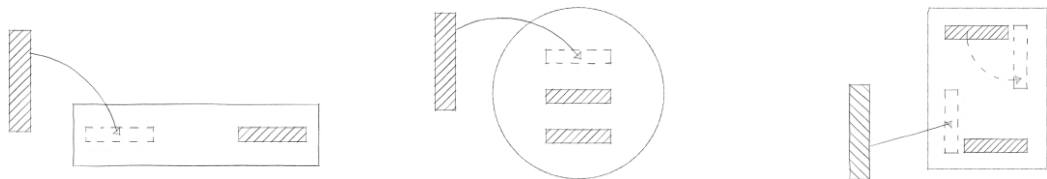
DESIGN YOUR MODUX P

Use the MODUX light engines to create the luminaire that better adapts to your project.

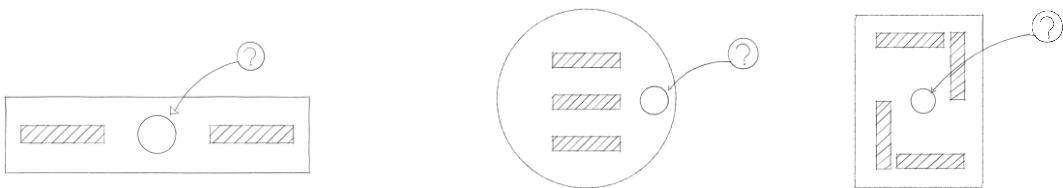
STEP 1. Design the housing of the luminaire to your measure.



STEP 2. Distribute the light engine modules in the housing.



STEP 3. Incorporate into your MODUX P housing items such as sensors, loudspeakers, emergency lighting or any another element that you need. Contact us to verify the viability.



STEP 4. Send us your design.

OTHER CHARACTERISTICS

MODUX P5

MODUX P5 is a highly energy-efficient lighting solution that complies with the standards WELL, LEED, BREEAM, VERDE, PASSIVHAUS and MINERGIE.

MODUX P5 has versions which comply with the regulations UNE 12464, UNE 12193, EN 60598 y EN 11925-2, manufactured under the regulations ISO 9001, ISO 14001 y UNE 166002.





DIMENSIONS		60x60, 120x30 y 120x60 cm	
MOUNTING		Recessed, on surface, suspended	
ROTATION		Without rotation, 1 or 2 modules asymmetric rotation	
POWER RATING		From 25W to 70W	
ELECTRICAL EQUIPMENT		Non-dimmable, DALI2 dimmable, AppC bluetooth dimmable	
DIMMING RANGE		From 0% to 100%	
DIMMING MEANS		Wired, wireless bluetooth or radiofrequency	
OPTIONAL ELECTRICAL EQUIPMENT		Presence and luminosity detector	
		Emergency kit	
LIGHT COLOUR TEMPERATURE		3000K to 4000K essential, 3000K to 4000K natural, 2700..6500K tunnable white	
COLOUR RENDERING INDEX		IRC 80+ to IRC 95+	
MELANOPIC COEFICIENT		From 0,44 to 0,61 essential and natural light colour temperatures	
COLOUR TOLERANCE		< 3 or <5 MacAdam Ellipses	
OPTICS		XQUARE OPTICS or diffuse. See sections MODELS and PHOTOMETRICS	
LIGHT DSTRIBUTION		Circular, square or rectangular	
LUMINOUS FLUX	EFFECTIVE between 0° and 60° over the vertical		Until 5.134 lm (until 100%) versions with specular or black UGR3D reflector
			<div>CONCENTRATED from 0° to 30° over the verticalUntil 2.278 lm (until 44%)</div>
			<div>EXTENSIVE from 30° to 60° over the verticalUntil 2.855 lm (until 56%)</div>
	INEFFECTIVE OR BLINDING from 60° to 90° over the vertical		Until 0 lm, ultra low glare (0%) , versions with specular or black UGR3D reflector
TOTAL		Until 5134 lm	
LIGHTING EFFICIENCY		Until 151 lm/W	
LIGHT-EMITTING AREA	LENGHT		17.4, 24.5, y 50 cm
	WIDTH		6, 12, 17.4 y 24.5 cm
	HEIGHT		0 cm
LIGHT EMITTING SURFACE OF THE LED VISIBLE THROUGH LENSES OR CLOSURES	LED LUMINANCE		Not applicable, LED hidden for safety.
	LED PHOTOBIOLOGICAL RISK GROUP		Not applicable, LED hidden for safety.
	SHIELDING ANGLE		Not applicable, LED hidden for safety.
MAXIMUM LUMINANCE OF THE LUMINAIRE ON THE VERTICAL 0°.	At 65°		From 0 cd/m² ultra low glare up to 2.284 cd/m² versions with specular or black UGR3D reflector
	At 75°		From 0 cd/m² ultra low glare up to 6 cd/m² versions with specular or black UGR3D reflector
	At 85°		From 0 cd/m² ultra low glare versions with specular or black UGR3D reflector
	At 90°		0 cd/m²

Average values at 25°C ambient temperature.

PHOTOBIOLOGICAL HAZARD GROUP IN THE VISUAL WORKING FIELD BETWEEN 65° and 90° OVER VERTICAL 0°.		0, risk-free
UGR		Up to <10, specular or black UGR3D reflector versions
FLICKERING		< 3%
ELECTRICAL ISOLATION CLASS		Class II
POWER SUPPLY		220..240V AC. Integrated power supply
POWER FACTOR		> 0,95
HARMONIC DISTORTION		< 15% or < 8%
PEAK CURRENT AT START-UP		Until 35 A during 240 µs depending on version
MAXIMUM WITHSTAND PEAK VOLTAGE		1 kV between L and N, 2kV between L or N and PE
MAXIMUM WITHSTAND OVERVOLTAGE		320V AC from 1 to 48 h depending on version
TYPE OF CONNECTION		Connectors for quick installation
INTERCONNECTION		Optional in AC
MATERIALS		Aluminum in housing and covers. Steel in fixings High quality engineering polymers in XQUARE OPTICS and covers REXIST in reflectors
COATINGS		High-strength and durable electrostatic paint on casing
REACTION TO FIRE		Fireproof housing. Self-extinguishing reflectors, diffusers and closures.
GLOW WIRE TEMPERATURE		From 650°C to 850°C depending on version
LUMINAIRE COLOUR		Textured white RAL9016, textured grey, RAL9006 and textured black RAL9005
LIGHT ENGINE SERVICE LIFE	At 25°C ambient temperature	Until 120.000 hours L70B50, 62.000 hours L80B10, 28.500 hours L90B10.
	At 40°C ambient temperature	Until 97.000 hours L70B50, 48.500 hours L80B10, 22.600 hours L90B10.
DRIVER SERVICE LIFE	At 25°C ambient temperature	>100.000 o >50.000 hours depending on version
	At 40°C ambient temperature	>100.000 o >50.000 hours depending on version
AMBIENT OPERATING TEMPERATURE		From -20°C to 40°C
CIRCULARITY	WEIGHT OF INFINITELY REUSABLE MATERIALS	98%
	PLASTIC WASTE	< 8 gr/year
	WASTE WEEE	< 15 gr/year
	REPLACEABLE COMPONENTS REFIXT	LED modules, reflectors, lenses, closures, drivers and detectors
WEIGHT		~5,7 Kg version 60x60
GUARANTEE		10 years in mechanical parts and optical systems 7 years on LED modules, enclosures, drivers and detectors 1 year on batteries

Average values at 25°C ambient temperature. Circularity data for MODUX P5 with 5,000 operating hours per year.

ACCESORIES

	REF.	DESCRIPTION
	AFV0015_1	Frame to recessed in cut hole, with visible frame, MODUX P 60x60.
	AFV0016_1	Frame to recessed in cut hole, with visible frame, MODUX P 120x30.
	AFV0022_1	Frame to recessed in cut hole, with visible frame, MODUX P 120x60.
	AFV0017_1	Frame to recessed in cut hole, with hidden frame for plaster, MODUX P 60x60.
	AFV0018_1	Frame to recessed in cut hole, with hidden frame for plaster, MODUX P 120x30.
	AFV0023_1	Frame to recessed in cut hole, with hidden frame for plaster, MODUX P 120x60.
	AFV0019_1	Surface fixing support, MODUX P 60x60.
	AFV0020_1	Surface fixing support, MODUX P 120x30.
	AFV0024_1	Surface fixing support, MODUX P 120x60.
	AFV0021	Suspension kit, MODUX P 60x60 or 120x30.
	AFV0025	Suspension kit, MODUX P 120x60.

1 Add C for textured white, H for textured grey or O for textured black.

Accessories are available for the MODUX P5 version with recessed mounting in modular ceiling. The luminaires whose mounting is recessed in a cut hole with an exposed frame or with a hidden frame to be plastered, on a screwed fixing surface or suspended by cable, incorporate the necessary fixing elements.