OFFICE MODULES & SUSPENDED
LUMINAIRES

advanced systems

STRATEGIC LIGHTING GROUP
LIGHTING WITH PURPOSE

PERSCARA RX/XS
TECHNICAL SPECIFICATION DATA

GIOTTO XS
fluorescent -dimmable
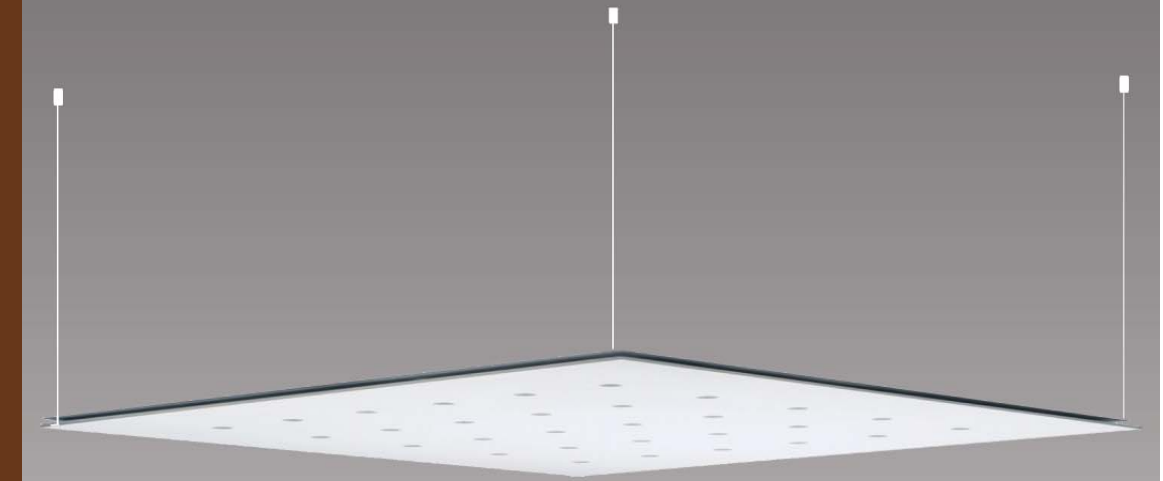
IP20

GIOTTO XS
fluorescent -dimmable

Icon	Label
	Energy Saving Technology
	Green Energy Technology
T5	Lamp Type Technology
48W	Wattage - Unit 2 x 24W dimmable + spotlights
230V	Voltage ac - alternating current only
Gear	Integral HF Ballast
72	Lumens / Watt value - based on 24W at 1750lms
1A	CRI - Group Index value - 80 - 90%.
IP20	IP Rating Standard Interior Only
	Insulation Class - Functional Earth Required
9Kg	Product Weight Kilograms/unit - excluding spots
	ENEC compliance
CE	CE mark
F	F - mark fire safe rating
	Environmental Technology

Product Purpose & Meaning
• The Giotto XS products provides clean lines with the use of optional discreet built in spotlights. This minimises lighting points, reduces install costs, enables wall perimeter lighting, as well as lighting of notice boards, artwork & friezes.
• The name "Giotto XS" [Jott-o] is a tribute to the Italian artsist and architect who appreciated the power of light for his "art".

Product Summary
• Flush recessed office direct module with outstanding microprismatic diffuser [using Fluxidrive™ technology] with optional integrated spotlights.
• Optical controller also available in a louvre version.
• Optional adjustable tilting spot /downlights in LED or CDM-T.
• Improved glare control and high output lighting.
• Dimmable

Applications
• Main office lighting, dealer desks, control and operational rooms, wall washing or highlight spotlights.
• School classrooms, friezes and & artwork displays.
• Ideal for showrooms and retail.
• Display & exhibitions.

Main Unit Performance
Lamp Type	T5 G5
Lamp Qty	1 or 2
Lamp Source	Philips, Osram or GE.
Lumen Output	refer to manufacturers data
Lamp CRI	> 90
Life	typically 20,000 25,000hrs
Optic Beams	90° [half peak]

Optional Spotlight Performance
LED Option
Lamp Type	LED: 19W/20W Philips Fortimo SLM Series
Lumen Output	LED : 1,500lms
Lamp CRI	LED > 80
LED Life	LED : 50.000hrs
Optic Beams	Medium 32° (Half Peak Brightness)
LED Colours	Monochromatic Whites
Working T°C	- 30°C / +85°C

Metal Halide Option
Lamp Type	Metal Halide : 20W or 35W / 70W CDM-T
Lumen Output	Metal Halide : 35W - 3,300lms
	70W - 6,600lms
Lamp CRI	Metal Halide 84
LED Life	Metal Halide : 12,000hrs
Colours	Metal Halide : 3000K / 4200K

Electrical Data
Voltage	230Vac mains
Load Watts	Variable
Cable Terminal	Yes
Gear	Integrated
Configuration	Mains Power
Dimming	T5 in usual / Spotlights in LED Fortimo only
Data Protocol(s)	DALI, 0-10V, DSI [LED in DALI Touch]

Description
A 600 x 600 modular office luminaire for performance direct component lighting of working spaces. Uses flush closed side panelling with advanced technoprismatic fluxidrive™ light controller diffuser at competitive market pricing. Prismatic Fluxidrive™ technology offers smooth light anti-glare control with volumised light appearance and high output ratios. Alternative light controller in cross-blade cell louvre. Both versions with optional 50° tilt spotlights - as for GLIMA series shown on page 152-153, utilising high output LED with maximum 1500lm high quality superior commercial grade Philips "Fortimo SLM " series LED for ultimate confidence. LED available in optional 3000K-4000K. Full photometrics and calibrated heat sink for reliability. LED designed in medium 34° beam. Alternative LED surface suspended spotlight - "JEWEL" as shown on page 221, as well as metal halide eyeball as for luminaire GLIMA - shown on page 153. Integrated gear on all lamp types.   Suitable for lay-in modular T-Bar ceilings in 600x600 plaster board fixings [add post-fix to order code]. Versions for plank and clip-in ceiling tiles on request.

Construction & Finishes
Pressed formed steel & aluminium housing and bezel with LED spotlight units with cast aluminium heat sink. Reflector in high output spun Aluminium. Standard finish in painted white Custom RAL options. Fluxidrive technoprismatic [option in PC to Tpa >850°C]

Main Features
• direct / indirect glare control.
• Fluxidrive technoprismatic [option in PC to Tpa >850°C].
• integrated spotlight options.
• Fluxidrive superior optical controller.

Mounting
• Tensioned Clips for plasterboard type ceilings.
• No remote gear required.
• 3 Core Connectors
Live & Neutral power feeds - with functional Earth

Connection Diagram A
• Connection is for standard main voltage.
• See Connection Diagram A - Page 324.

Module Only

Prismatic
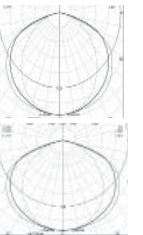600 x 600 recessed office module only for central techno-prismatic fluxidrive™ diffuser [micro-prismatic].

55W : LOR= 79%   55°x 86°

GIO.M155.TP	600 x 600 module	1 x 55W TC-L 2G11	Output - 4800lms	Techno-Prismatic
GIO.M224.TP	600 x 600 module	2 x 24W T5 G5	Output - 3500lms	Techno-Prismatic

Louvre
600 x 600 recessed office module only for central cross-blade louvre.

55W : LOR= 72%   64°x109°

|				
GIO.M155.LO	600 x 600 module	1 x 55W TC-L 2G11	Output - 4800lms	Cross-Blade Louvre
GIO.M224.LO	600 x 600 module	2 x 24W T5 G5	Output - 3500lms	Cross-Blade Louvre

Mod. + Tilt Spotlights

Prismatic
600 x 600 recessed office module with two recessed spot downlights in either 20W LED or 20W CDMT with central techno-prismatic fluxidrive™ diffuser [micro-prismatic].

GIO.TS155.TPL	600 x 600 module	1 x 55W TC-L 2G11	Spots- 2 x 20W LED	Techno-Prismatic
GIO.TS224.TPL	600 x 600 module	2 x 24W T5 G5	Spots -2 x 20W LED	Techno-Prismatic
GIO.TS155.TPC	600 x 600 module	1 x 55W TC-L 2G11	Spots- 2 x 20W CDM-T	Techno-Prismatic
GIO.TS224.TPC	600 x 600 module	2 x 24W T5 G5	Spots -2 x 20W CDM-T	Techno-Prismatic

Louvre
600 x 600 recessed office module with two recessed spot downlights in either 20W LED or 20W CDMT with central cross-blade louvre.

|				
GIO.TS155.LOL	600 x 600 module	1 x 55W TC-L 2G11	Spots- 2 x 20W LED	Cross-Blade Louvre
GIO.TS224.LOL	600 x 600 module	2 x 24W T5 G5	Spots -2 x 20W LED	Cross-Blade Louvre
GIO.TS155.LOC	600 x 600 module	1 x 55W TC-L 2G11	Spots- 2 x 20W CDM-T	Cross-Blade Louvre
GIO.TS224.LOC	600 x 600 module	2 x 24W T5 G5	Spots -2 x 20W CDM-T	Cross-Blade Louvre
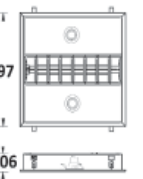
Mod. + EyeBall

Prismatic
600 x 600 recessed office module with two recessed adjustable drop down tilting downlights in 70W CDMT with central techno-prismatic fluxidrive™ diffuser [micro-prismatic].

GIO.EY155.TP	600 x 600 module	1 x 55W TC-L 2G11	Spots- 2 x 70W CDM-T	Techno-Prismatic
GIO.EY224.TP	600 x 600 module	2 x 24W T5 G5	Spots -2 x 70W CDM-T	Techno-Prismatic

Louvre
600 x 600 recessed office module with two recessed adjustable drop down tilting downlights in 70W CDMT with central cross-blade louvre.

GIO.EY155.LO	600 x 600 module	1 x 55W TC-L 2G11	Spots- 2 x 70W CDM-T	Cross-Blade Louvre
GIO.EY224.LO	600 x 600 module	2 x 24W T5 G5	Spots -2 x 70W CDM-T	Cross-Blade Louvre
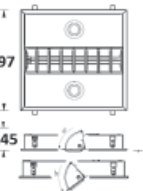
Module + Surface Spots

Prismatic
600 x 600 recessed module with two surface adjustable spotlights in 32W LED with central microprism fluxidrive™ diffuser.

GIO.SS155.TP	600 x 600 module	1 x 55W TC-L 2G11	Spots- 2 x 20W LED	Techno-Prismatic
GIO.SS224.TP	600 x 600 module	2 x 24W T5 G5	Spots -2 x 20W LED	Techno-Prismatic

Louvre
600 x 600 recessed module with two surface adjustable spotlights in 32W LED with central cross-blade louvre.

GIO.SS155.LO	600 x 600 module	1 x 55W TC-L 2G11	Spots- 2 x 20W LED	Cross-Blade Louvre
GIO.SS224.LO	600 x 600 module	2 x 24W T5 G5	Spots -2 x 20W LED	Cross-Blade Louvre

597

106

597

145

597

106   125
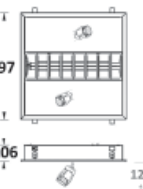
POST-FIX CODES
For codes with
DIMMING   - HF gear defaults for HFR dimming by DALI ,DSI or 1-10V please add post-fix "-DALI", "-DSI" or "-1-10V" respectively. For more cost effective Compensated gear add post fix - "COMP".
PLASTER BOARD FIXINGS - For plaster-board fixing add post-fix "-PB".
EMERGENCY - 1 Hour or 3 Hour maintained please add post "-EM1" or "-EM3" respectively.
TPa>850°C Prismatic - For use of high thermal prismatic please add post-fix "TPA".

LED Colour Consistency :
1 MacAdam Ellipse - 100K

PERSCARA RX

monochromatic & RGB - circuit dimmable

IP65 IP20

34
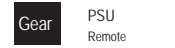
Product Purpose & Meaning
• An advanced LED modules concept with "even" soft illumination using advanced anti-glare micro reflectors.
• Combined with CREE XPE reputable LED's.
• Perscara [Pur-scar-ra] is a derivative of the Italian - "Persino" meaning - "even" or uniform.

Product Summary
• "PRESCARA" is available as a dedicated LED fixture for interior offices, either for direct recessed 600x600 or as suspended direct / indirect 1000 x 596 module.
• Patented "Micro-Matt" 45° reflector technology for low glare comfort.
• 54 & 60 x 1.2W PowerLED's.
• Dimmable for use with remote PSU.

Applications
• Offices, Meeting rooms & Education buildings inc.class rooms.
• RGB Colour change adornment of spaces.

Performance
Lamp Type	1.2W PowerLED's.
LED Qty	Recessed 54 / Suspended 40+20
Lamp Source	CREE XPE
Lumen Output	54 / 60 x 120lms - White 5500K.
Lamp CRI	93 - White 3000K / 4000K.
LED Life	50.000hrs [CIE electronic parts default].
Optic Beams	Medium-Wide 45°.
LED Colours	Monochromatic Whites & RGB Tri-chip.
Working T°C	- 30°C / +85°C.

Electrical Data
Voltage	24Vdc.
Load Watts	65W & 72W units
Load Current	350mA.
Supply Cable	1.0M FROR 3 x 0.5mm² [RGB 5 x 0.5mm²].
Remote Gear	24Vdc Power Supply Unit [PSU].
Configuration	CV [Constant Voltage].
Dimming	Via a supplied 3rd dimming cable. Interface required.
Data Protocol(s)	Dimming Via:-
	Push-button [switch].
	0-10V analogue.
	DMX or DALI.

Energy Saving
Technology

Green Energy
Technology

Environmental
Technology

LED — Lamp Type
Technology

54W — Wattage - Unit
dimmable

24V — Voltage
dc - direct current only

Gear — PSU
Remote

100 — Lumens / Watt
value - Cool White

93% — CRI - Index
value - Warm White

IP65 IP20 — IP Rating
Interior Use - suspended to IP65

Insulation Class
3 - SELV

5kg — Product Weight
Kilograms/per metre

ENEC
compliance

CE
mark

F - mark
fire safe rating

Description
A recessed square 600 x 600 modular with shallow recess depth to 80mm for lay in applications or a ceiling suspended module with 13mm blade profile. Both as a multiple PowerLED luminaires using "micro-matt" low glare patented white abs screen for special uniform glare-free high output light. Ideal for sustainable energy-efficient general office & retail illumination. Anti-dazzle low glare is suitable for PC screen use and modern office environments. Dimmable. Suspended version has 40 LED downlight and 20 LED indirect uplight array. Emergency versions. LED circuit board with extended life-saving thermal cut-out & output reduction with short circuit protection. Smooth easy-stay clean surface. RGB full colour option for, receptions, display areas and "relax" rest rooms.

Construction & Finishes
Extrusion and sheet manufacture. Chassis body in anodised aluminium Front screen in opal white ABS / PMMA acrylic.

Main Features
• "Micro-Matt" anti-dazzle technology.
• Remote PSU for direct 24V supply.
• 600 x 600 modularity.
• RGB full colour option.

Mounting
• Side arm brackets for lay-in ceilings. / Tensioned Clips for plasterboard type ceilings.
• Fine wire suspension for suspended type - standard 1.0m cable or mounting brackets for surface mounting.
• Supplied with 500mm length of HO5RNF : 3-core 0.5mm² cable.

Connection Diagram J & K
• Connection is for bulk remote 24Vdc Power Supply [PSU].
• See Connection Diagram J & K - Page 329.
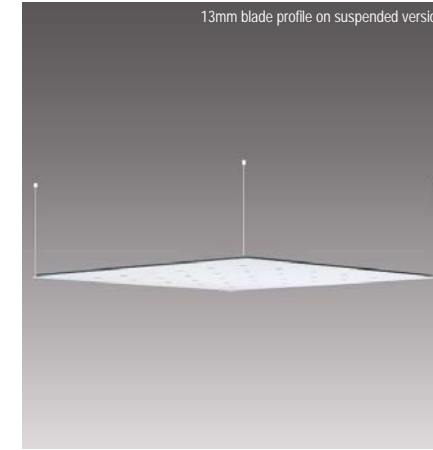• See 24Vdc PSU's - Pages 330 / 332.

Standard Colours
• Warm White   - 3000K - CRI = 93%
• Neutral White - 4000K - CRI = 93%
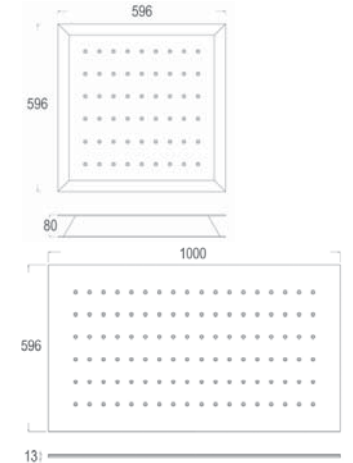• Cool White   - 5500K - CRI = 80%
• RGB Colour Change
  units for DMX 512 Blending.

LED DEDICATION
230V
O/U supplied with harness

PERSCARA XS

monochromatic & RGB - circuit dimmable

35

13mm blade profile on suspended version

596
596
80
1000
596
13

Product Order Codes

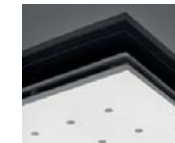| **Perscara RX**				
600 x 600 Recessed Layin Module IP20				
Recessed square module with 54 x 1.2W PowerLED's c/w micro-matt abs screen and distribution to 45°.				
PES.RX3	CRI = 93 -Warm	White 3000K	65W - 3,888lms	Med.Wide 45°
PES.RX4	CRI = 93 -Int.	White 4000K	65W - 3,888lms	Med.Wide 45°
PES.RX5	CRI = 80 -Cool	White 5500K	65W - 5400lms	Med.Wide 45°
PES.RXRGB	DMX 512	RGB	65W	Med.Wide 45°

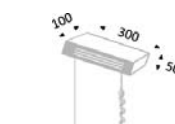| **Perscara XS**				
Ceiling Suspended Module IP65				
Suspended module with 40 x 1.2W downlights & 20 x 1.2W PowerLED indirect uplights c/w micro-matt opal white pmma acrylic screen and distribution to 120°.				
PES.XS3	CRI = 93 -Warm	White 3000K	72W - 5,184lms	Wide 120°
PES.XS4	CRI = 93 -Int.	White 4000K	72W - 5,184lms	Wide 120°
PES.XS5	CRI = 80 -Cool	White 5500K	72W - 7,200lms	Wide 120°
PES.XSRGB	DMX 512	RGB	90W	Wide 120°

Accessories

230V Ceiling Plate
A ceiling plate housing & 230V termination for the suspended version.
Designed as a matt white rectangular housing to take the wire suspension and gear.

PES.CP60	Ceiling Plate 230V	For 1 .0M & 2.0M	Mono White	24V PSU 60Va
PES.CP100	Ceiling Plate 230V	For 3.0M	Mono White	24V PSU 100Va
PES.CPRGB	Ceiling Plate 230V	Housing c/w	c/w DMX Interface	24V PSU 100Va

Pre-Connected Remote Boxed Gear [individual]
A Remote Box for quick connect housing c/w integral individual gear for 230V connection.
Designed for hiding in close proximity of ceiling voids. One per individual fitting.

PES.RB60	Remote Box 230V	For 1 .0M & 2.0M	Mono White	24V PSU 60Va
PES.RB100	Remote Box 230V	For 3.0M	Mono White	24V PSU 100Va
PES.RBRGB	Remote Box 230V	For all RGB	c/w DMX Interface	24V PSU 100Va

45°
lamp data by request

45°
m	Ø-m	3000K-4000K	5500K
0,5	0,44	11250	17590
1	0,88	5345	9120
2	1,66	2370	3875
3	2,54	1020	2150

120°
lamp data by request

120°
m	Ø-m	3000K-4000K	5500K
0,5	1,40	3970	5860
1	2,88	1420	2245
2	5,74	480	789
3	9,02	241	389

OFFICE MODULES SUSPENDED & SYSTEMS
product pages start page 27

office - retail - leisure

RECESSED MODULES

T5 - 2x54W Page 28	T5 - 2x24W Page 28	T5 - 2x24W Page 28
1200x300	600x600	600x600

techno-micro-prismatics   OFFICIO series   OFFICIO series   OFFICIO series

Page 30	LED - 65W Page 34	T5 - 2x24W Page 32	T5- 2x24W Page 32	T5 - 2x24W Page 32
	LED 600x600	600x600	600x600	600x600

RETAIL STORE   PERSCARA RX   GIOTTO XS series   GIOTTO XS series   GIOTTO XS series

SUSPENDED SYSTEM

SYSTEM Page 57	SYSTEM Page 57/61	SYSTEM Page 61	SYSTEM Page 65	SYSTEM Page 67

XICATA 48 series - T5   XICATA 48 - T5 & SPOTS   XICATA 48 series - SPOTS   XICATA 48 - SINGLE T5   XICATA 48- ROTATOR 1
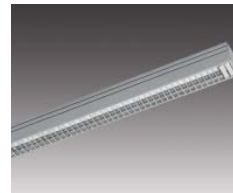
SYSTEM Page 71	SYSTEM Page 69	SYSTEM Page 69	SYSTEM Page 69	SYSTEM Page 67

XICATA 48 - WALL UNITS   XICATA 48 - VIENNA   XICATA 48 - TUBE   XICATA 48 - LED SPOTS   XICATA 48 - ROTATOR 2

Page 60	Page 64	Page 66	Page 68
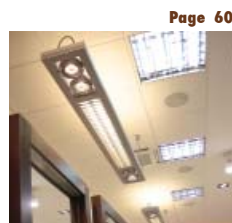
HAIR SALONS   LIBRARY'S   CAR DEALERSHIPS   RETAIL

Page 63	Page 58
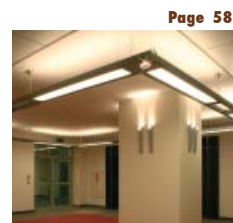
SCHOOLS   RECEPTIONS

SUSPENDED LUMINAIRES

Page 36 30x3W - LED	Page 38 3x54W - T5	Page 40 3x80W - T5	Page 42 LED - 32x3W	Page 44 LED - 32x3W
LED			LED	LED

MONZA   VERONA   AILERON   CHIARO   LATLUCE

Page 46 2x54W - T5	Page 46 2x54W - T5	Page 48 2x24W - T5	Page 35 LED - 72W	Page 103 LED - 20W/m
			LED	LED
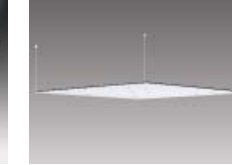
MILANO series   MILANO series   VIENNA   PERSCARA XS   AMBIENTALE

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OFFICE'S   OFFICE'S   OFFICE'S

SURFACE

Page 48 2x80W - T5	Page 48

VIENNA   OFFICE'S

RECESSED SYSTEM

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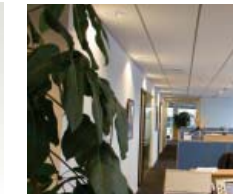
XICATA 77 RECESSED   XICATA 77 RECESSED   OFFICE'S

OFFICE WALL LUMINAIRES

Page 228 2x55W TC-L	Page 229 1x55W TC-L

ASYAERO   KEELIO   DEALER ROOMS