



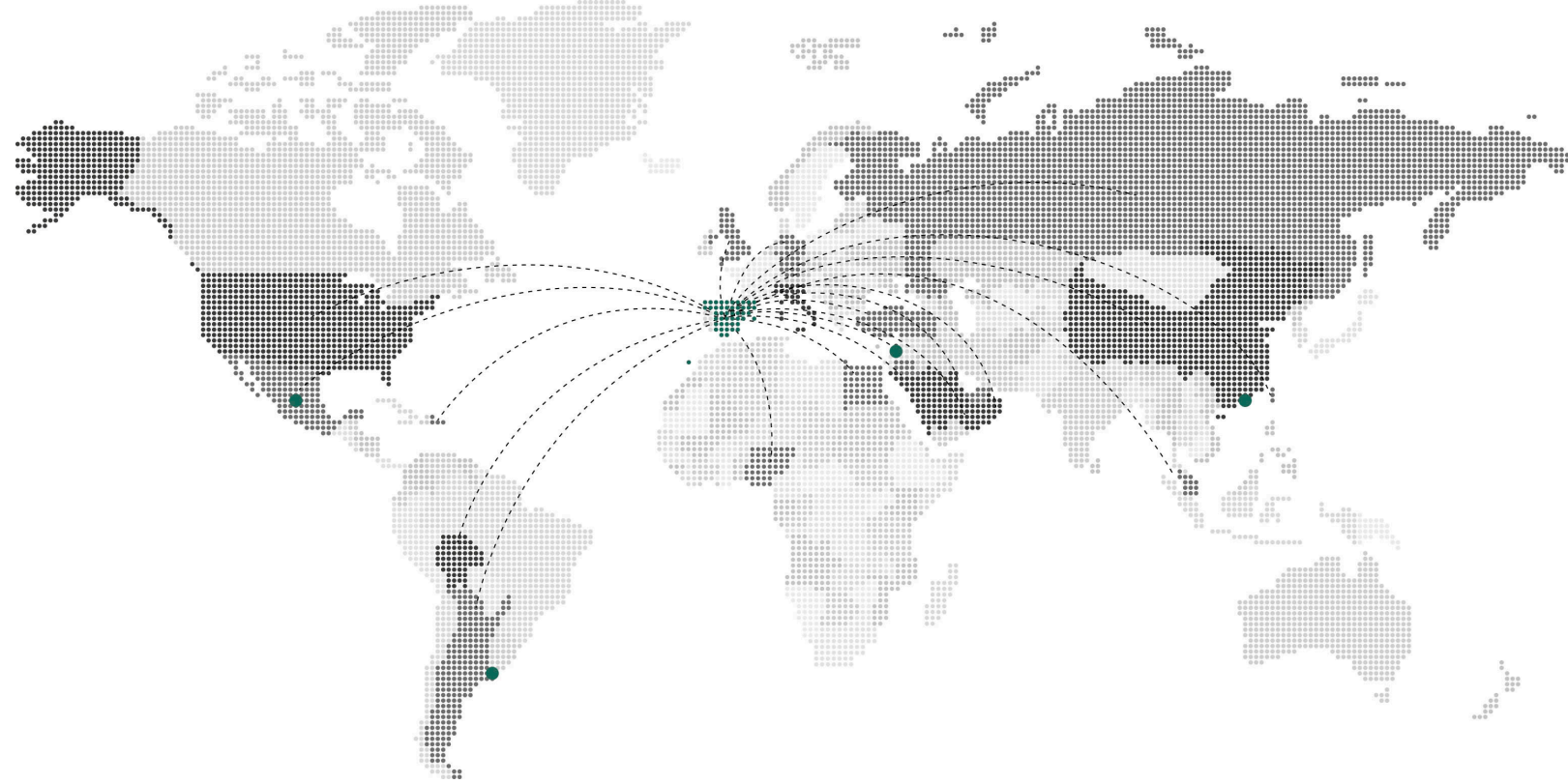
qbo

healthcare lighting

feels like home



qbo healthcare lighting



Our products are made in our factory in Toledo and designed in our technical department in Madrid. We take care of every detail to achieve products with the highest quality standards.

We create
and produce in Spain

What qbo can do for your hospital



efficiency
&
sustainability



Our luminaires meet the **highest standards of low energy consumption and high energy efficiency**. By working only with LED technology, we do not generate heat, which is reflected in **lower energy consumption in hospital ventilation**. We are committed to saving energy and **reducing our CO2 footprint** by manufacturing our luminaires in Spain.



We believe in **design** as a strategy for continuous improvement. The qbo design and product development team work hand in hand with our factory to bring unique luminaires adapted to the needs of each client and each space.



design

What can qbo do for your hospital

certifications & guarantee

qbo luminaires have a 5-year guarantee and 50,000 operating hours.

Our luminaires have ISO 9001 quality certification. Furthermore, as part of our commitment to sustainability, we also have ISO 14001 international certification for responsible management.



light care

Light is a primordial element in our **state of mind**.

To adapt the light to the needs of all our users, in terms of quality, quantity and control is the scope of **qbo** design team .

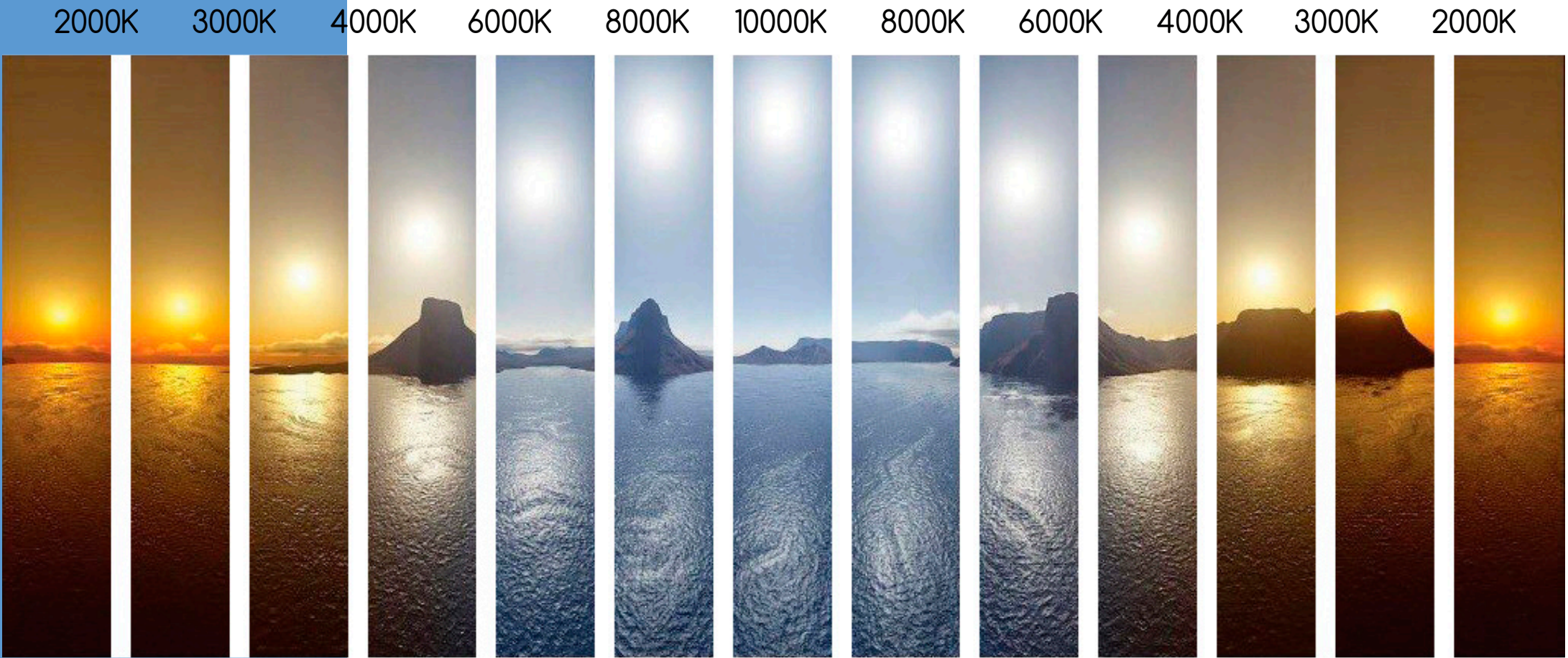
Light according to the moment

The **natural circadian rhythm** (lighting according to sunlight) is important for human health, sleep, immune system, well-being and energy level. **Hospitalised people and staff** working night shifts often have a circadian disruption due to, for example, **inadequate lighting**, such as cold light in rest areas for staff on duty.

There is evidence to show that circadian lighting (with changes in colour temperature to match sunlight) is able to **improve mood and productivity**.

This has been **tested in hospitals** in Northern Europe, the United States and Canada, as well as in schools and nursing homes¹

It is time to upgrade hospital lighting to a **user-centred approach**.



circadian natural illumination

1. Shine a Healing Light: Circadian-Based Lighting in Hospitals, Kristin Jenkins Feb.2018. www.medscape.com

what can we bring to a patient

Light is a fundamental factor in the state and perception of spaces. This is why we have to take special care in the treatment of artificial lighting and specially in hospitals, taking into consideration the activity that is going to be developed in each area.

The needs of a health center are heterogeneous, since at the same time we find a workplace such as a rest space, patient care or a cafetería.

If we focus on patients needs and we want them to feel at home when they are recovering, the lighting characteristics proposed will have to generate relaxing and pleasant spaces.

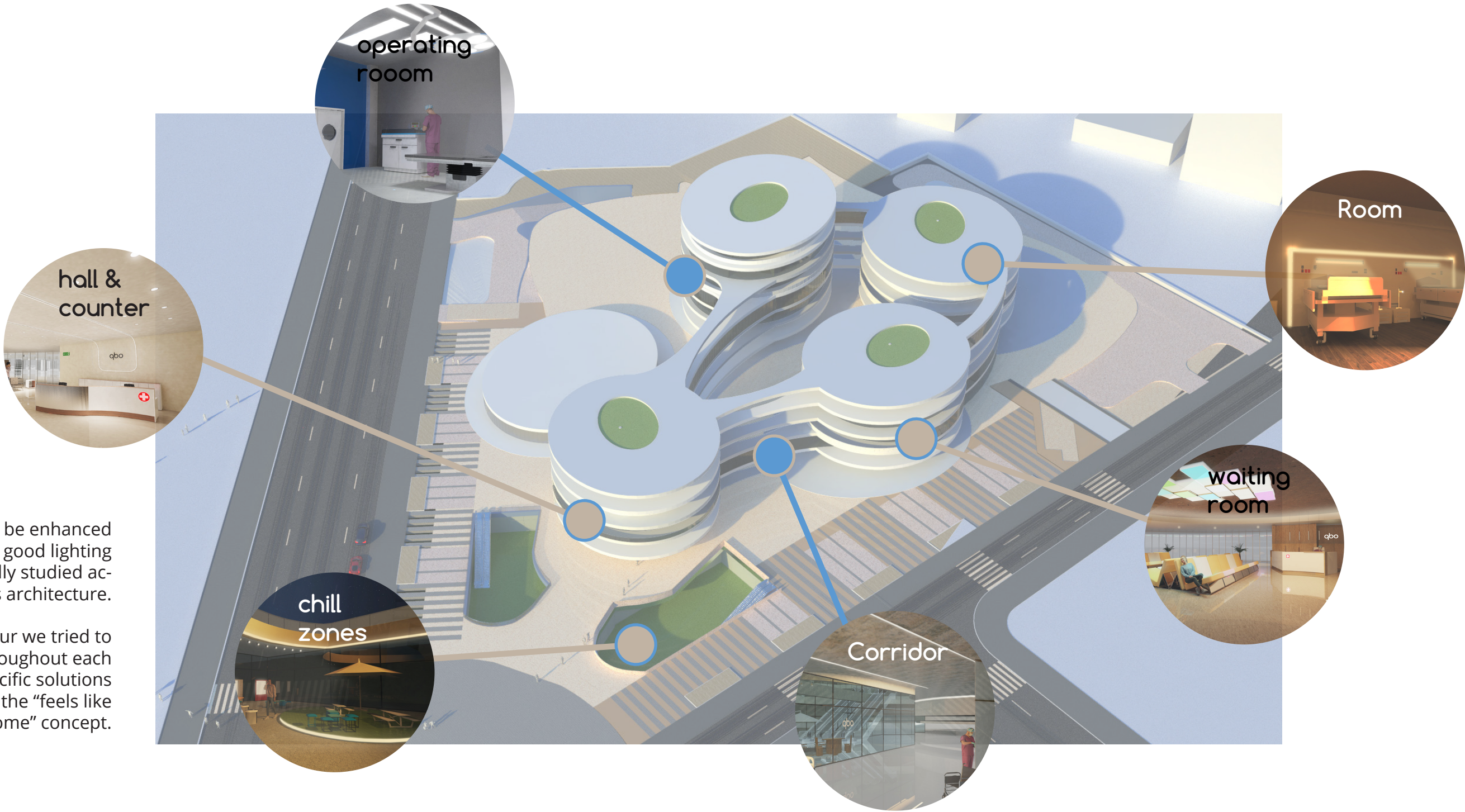
warm

neutral

what can we bring to a worker

However, if we focus on the needs of healthcare personnel, the contribution of lighting will implement to improve their work quality.

It is a scientifically proven that lighting plays an important role to change the mood of each person, by reinforcing the ideal stimuli in each case and place.



Hospitals can be enhanced thanks to a good lighting project, carefully studied according to its architecture.

In this tour we tried to show, throughout each zone, specific solutions materializing the “feels like home” concept.

feels like home

Hall & Counter

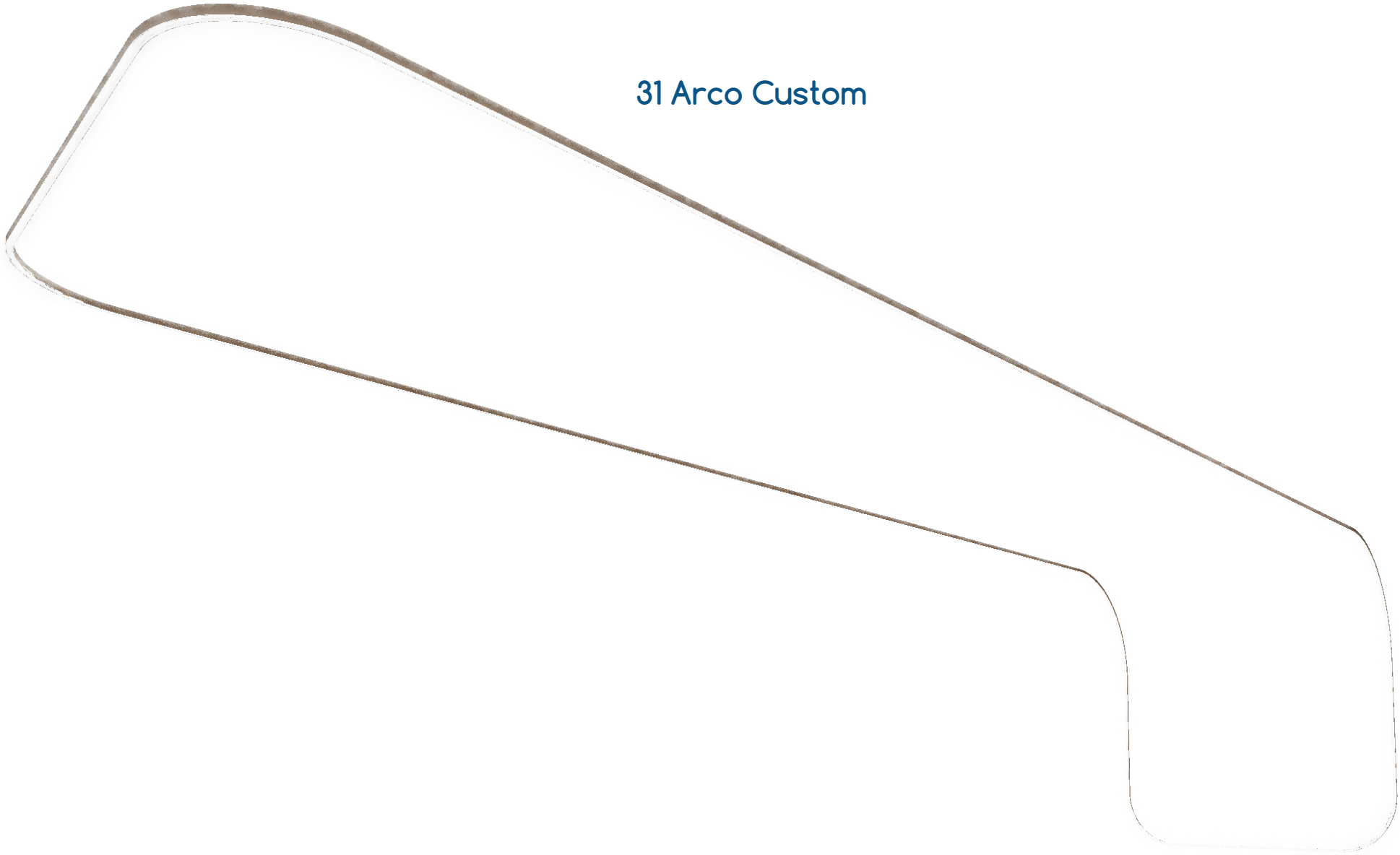
- First view & impression
- Invitation, attention-grabbing counter with some decorative elements
- Downlights for general lighting
- Led lines marking corridors (ceiling / wall / floor)
- Neutral lighting, enhancing areas that require more visualization with some small contrasts.

qbo healthcare lighting



feels like home

qbo healthcare lighting



31 Arco Custom

31 Arco Custom

- TRIMLESS / FRAME
- PASTEL VIOLET / WHITE / PASTEL BLUE / PASTEL GREEN / PASTEL TURQUOISE
- DIMMABLE: No / DALI
- CRI: 90+
- COLOR TEMPERATURE: 4000 K
- LIGHTING DISTRIBUTION: DIRECT / INDIRECT
- FEDER KIT: INCLUDED

feels like home

Data Sheet

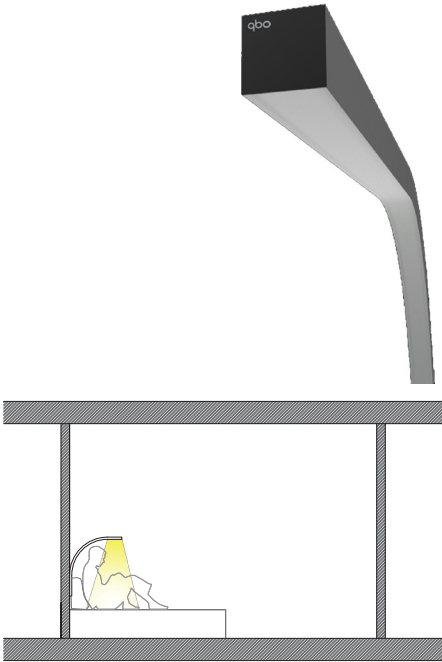
31 arco R500

RANGE	31 ARCO
REF.	31ARCO-
TYPE	LED SURFACE LINEAL LUMINAIRE
INSTALLATION	WALL / CEILING SURFACE MOUNTED
DIMENSIONS	R500 x H 820 mm
MATERIAL	ALUMINIUM
FINISH	PALE GOLD / BRONZE / BLACK / WHITE
LIGHT SOURCE	LED MODULE
VOLTAGE	220 - 240 V
FREQUENCY	50 / 60 Hz
FEEDER KIT	REMOTE
DIMMABLE	YES
POWER	4W
SERVICE LIFE	40.000 HRS
IP RATING	IP20
LIGHTING DISTRIBUTION	DIRECT
COLOR TEMPERATURE	2700 / 3000 / 4000 K
CRI	90
LIGHTING FLUX	515lm / 530lm / 570lm



CODE	DESCRIPTION
31ARCO-	31 arco-

* Remote driver



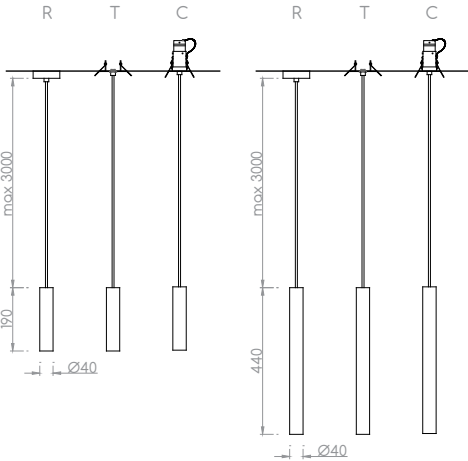
* Remote driver for 190mm
** Integrated driver for 400mm

reference builder

TYPE	INSTALL.	LENGTH	POWER	C. TEMP	BEAM ANG	CRI	FINISH	DIMMING
LITEY <i>(suspended)</i>	R <i>(rosette surface)</i>	M <i>(190mm)</i>	6 <i>(6W)</i>	27 <i>(2700K)</i>	18°	90 <i>(CRI>90)</i>	00 <i>(white)</i>	T <i>(TRIAC)</i>
	T <i>(recessed)</i>			30 <i>(3000K)</i>	30°		02 <i>(brass satin)</i>	
	C <i>(recessed coin s)</i>			40 <i>(4000K)</i>	50°		09 <i>(black)</i>	
		L <i>(440mm)</i>					13 <i>(blued brass)</i>	

* Coin S frame as standard. Trimless version available.

Order example:
LITEY R L 6 30 18 90 00 T
LITE spotlight suspended rosette L 440mm
6W 3000K 18° CRI90 white finish TRIAC



feels like home

Corridor

- Led lines marking corridors (ceiling / wall / floor)
- Passage area, neutral and homogeneous light
- We point out where we should walk and distinguish the different areas thanks to lighting.



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profile 31X70EA

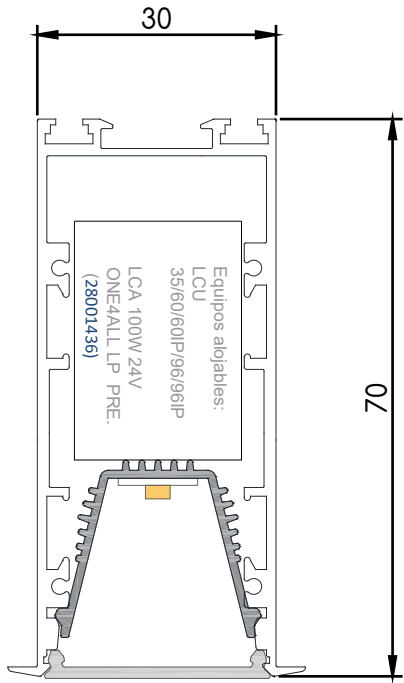
RANGE	QBO 31x70EA
REF.	QBOP31x70EA-
TYPE	LED LINEAR RECESSED LUMINAIRE
DIMENSIONS	31 x 70 x 3000 mm
MATERIAL	ALUMINUM
FINISH	ALUMINUM / WHITE / BLACK

Asymetric profile designed based on Ramón Sanabria drawings in order to solve the joints between the different levels on the ceiling

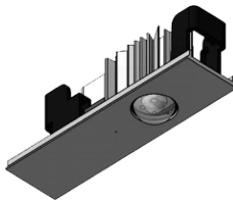
*compatible with emergency and detection kit accessories



CODE	DESCRIPTION
QBOP31X70E01.3000	QBO PROFILE 31X70 recessed aluminum finish 3000mm
QBOP31X70E00.3000	QBO PROFILE 31X70 recessed white finish 3000mm
QBOP31X70E09.3000	QBO PROFILE 31X70 recessed black finish 3000mm



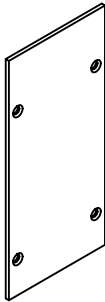
profile 31X70^{acc}



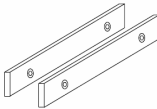
QBOP31EMS01



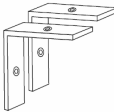
QBOP31MBDET01



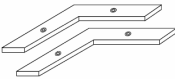
QBOP31X70C



QBOP01UL



QBOP01UAE



QBOP01UAP

feels like home

Data Sheet

2+1 system emerg / detec

RANGE	PROFILE 2+1 LUMINAIRE SYSTEM
REF.	2+1-
TYPE	SUSPENDED / SURFACE MOUNTING
SECTION	80 x 31 mm
MATERIAL	ALUMINUM
FINISH	WHITE / BLACK / ALLUMINIUM
LUMINARIE LENGTH	1500 mm / 3000 mm
VOLTAGE	220 - 240 V
FREQUENCY	50 / 60 Hz
FEEDER KIT	INTEGRATED
DIMMABLE	YES / NO
POWER FACTOR	0,9
SERVICE LIFE	50.000 h
INSULATION CLASS	CLASS II
IP RATING	IP20
LIGHTING DISTRIBUTION	DIRECT / DIRECT + INDIRECT
COLOR TEMPERATURE	2700 / 3000 / 4000 K
CRI	90

* Other lengths available under request

DIRECT EMMISION (18W/m)

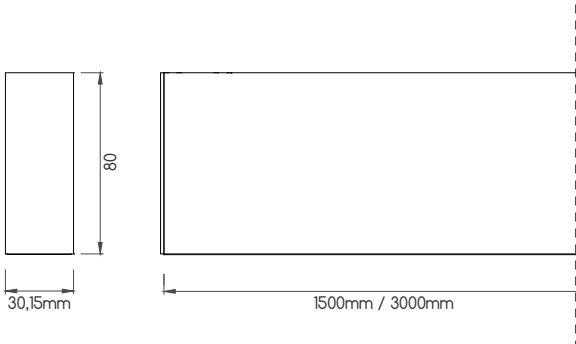
COLOR TEMP (K)	NOMINAL FLUX (LM/M)	NOMINAL EFF (LM/W)	LUMINAIRE FLUX (LM/M)	LUMINAIRE EFF (LM/W)
2700	2574	143	1673	93
3000	2646	147	1720	95,5
4000	2850	158,3	1852	102,9

INDIRECT EMMISION (9,6W/m)

COLOR TEMP (K)	NOMINAL FLUX (LM/M)	NOMINAL EFF (LM/W)	LUMINAIRE FLUX (LM/M)	LUMINAIRE EFF (LM/W)
2700	760	79,2	494	27,5
3000	780	81,3	507	28,2
4000	790	82,3	514	28,6

* Other color temperatures and CRI available under request

* Other led strip powers availaible under request



2+1 system suspended

CODE	DESCRIPTION
2+1Y-	2+1 luminaire suspended -

* Driver included (on/off or DALI as specified in reference)

reference builder

TYPE	KIT	EMISSION	C. TEMP	CRI	FINISH	DIMING	LENGTH
2+1Y (suspended)	NK (no kit)		27 (2700K)		00 (white)	-	.1500 (1500mm)
	EM (emergency)*	D (direct)	30 (3000K)	90 (CRI>90)	01 (aluminium)	(on/off)	.3000 (3000mm)
	DT (detection)	DI (direct + indirect)	40 (4000K)		09 (black)	D (DALI)	
	E+D (both kits)*						

* Emergency kit characteristics must be specified. See Emergency Kit datasheet.

* Order example:
2+1Y E+D D 27 90 09 - .1500
2+1 luminaire suspended, emergency + detection kit, direct light 2700K Ra90 black finish on/off 1500mm

2+1 system surface

CODE	DESCRIPTION
2+1S-	2+1 luminaire surface -

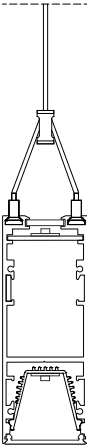
* Driver included (on/off or DALI as specified in reference)

reference builder

TYPE	KIT	EMISSION	C. TEMP	CRI	FINISH	DIMING	LENGTH
2+1S (surface)	NK (no kit)		27 (2700K)		00 (white)	-	.1500 (1500mm)
	EM (emergency)*	D (direct)	30 (3000K)	90 (CRI>90)	01 (aluminium)	(on/off)	.3000 (3000mm)
	DT (detection)		40 (4000K)		09 (black)	D (DALI)	
	E+D (both kits)*						

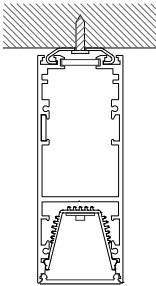
* Emergency kit characteristics must be specified. See Emergency Kit datasheet.

* Order example:
2+1S EM D 30 90 00 D .3000
2+1 luminaire surface, emergency kit, direct light 3000K Ra90 white finish DALI 3000mm



Emergency kit inside QBO profile 2+1

Detection kit inside QBO profile 2+1



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emergency kit

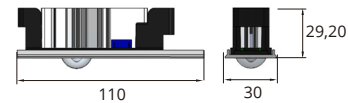
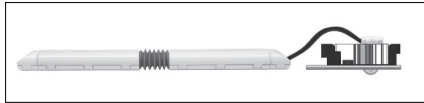
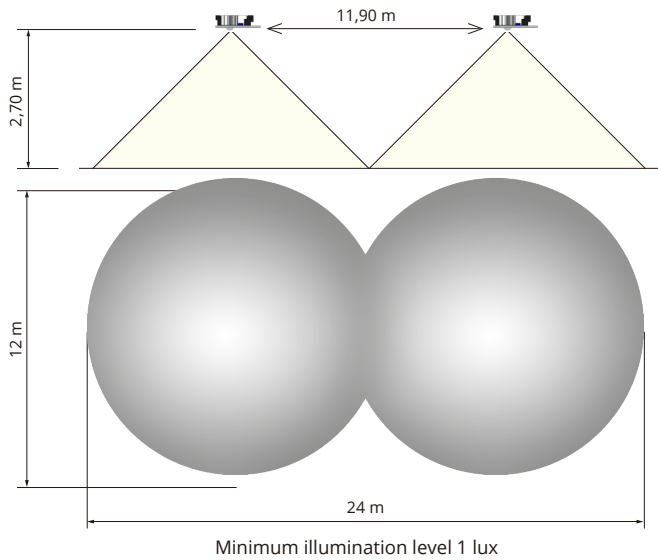
Finishes

■ Finishes

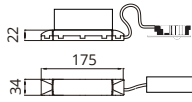
Finish of	Description	Mark
Cable length	30 cm (standard)	---
	100 cm	(100)
Acc color	Black (standard)	---
	White	(BL)
LED color	Cold white (de serie)	---
	Warm white	(WW)
No battery Autonomous	220-230V 50/60Hz	---
	110-127V 50/60Hz	(110-127V)
Luminaires	220-230V 50/60Hz, 170-320V DC	---
	24V 50/60Hz, 18-30V DC	(24V)

■ Interdistance examples

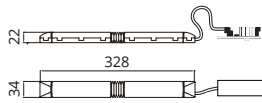
Interdistance: anti-panic optical set



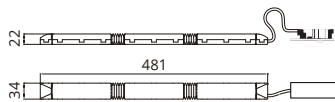
Luminaire



Autonomy 1 h



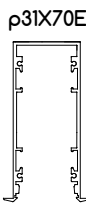
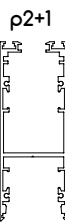
Autonomy 2 & 3 h



detection kit

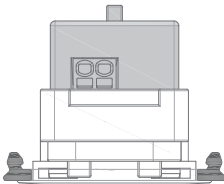
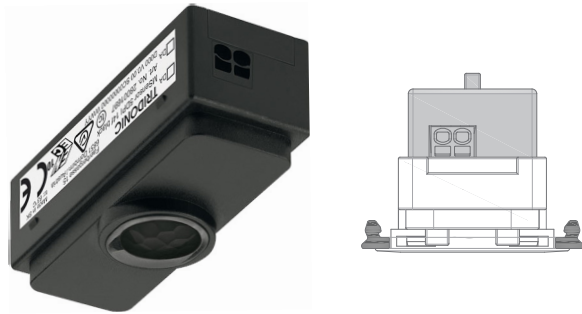
RANGE	QBO DETECTION KIT
REF.	QBOP31MBDET-
TYPE	MOTION AND BRIGHTNESS DETECTOR
DIMENSIONS	31 x 21x 60 mm
MATERIAL	ALUMINUM
FINISH	ALUMINUM
FEEDER	DALI
POWER CONSUMPTION	6mA
OPERATING TEMPERATURE	0...+50°C
IP RATING	IP20
Ø DETECTION AREA FOR 2,5M HEIGHT	4,5M
DETECTION ANGLE	84°
LIGHT MEASURE ON THE SENSOR	10 - 650 lx

*compatible accessory for profiles P31x31, P2+1, P31X70E



CODE	DESCRIPTION
QBOP31MBDET	Profile 31 motion and brightness detection acc

Data Sheet



Detection kit inside QBO profile 2+1

*Compatible with QBO profiles P31x31, PHD31, PHD31W, P2+1, P31x70E

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flexy^{HE}

RANGE	QBO FLEXY HE
REF.	02180-
TYPE	LEDSTRIP
DIMENSIONS	12 x 5000 mm
CUT UNIT	50 mm
MINIMUM BENDING DIAMETRE	50 mm
MAXIMUM RUN LENGTH	5000 mm
GAP BETWEEN LEDS	6,25 mm
WEIGHT	0,150 Kg
VOLTAGE	DC 24 V
DIMMABLE	YES
POWER	18 W
SERVICE LIFE	> 50.000 HRS
IP RATING	IP20
LIGHTING DISTRIBUTION	DIRECT / INDIRECT
CRI	90
MACADAM ELLIPSE	3
LPM	160 lpm
OPENING DEGREES	140 °
WARRANTY	5 YEARS

*NEEDS DISSIPATION
*OTHER COLOR TEMPERATURES AND CRI AVAILABLE UNDER REQUEST

COLOR TEMPERATURE (K)	LIGHTING FLUX (lm)	LUMINOUS EFFICACY (lm/W)
2700	2574	143
3000	2646	147
4000	2850	158,3



160 leds/m

2850 lm/m (4000K)

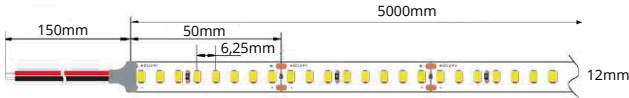
5 years warranty

50.000 hours

Data Sheet

High efficiency ledstrip

CODE	DESCRIPTION
0218027590	LEDSTRIP FLEXY HE 18W/m 2700K 5m Ra90 2574lm/m 160leds/m IP20 24V
0218030590	LEDSTRIP FLEXY HE 18W/m 3000K 5m Ra90 2646lm/m 160leds/m IP20 24V
0218040590	LEDSTRIP FLEXY HE 18W/m 4000K 5m Ra90 2850lm/m 160leds/m IP20 24V



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flexy HE+

RANGE	QBO FLEXY HE+
REF.	FHE+
TYPE	LEDSTRIP
DIMENSIONS	10 X 50.000 mm
CUT UNIT	50 mm
MINIMUM BENDING DIAMETRE	50 mm
MAXIMUM RUN LENGTH	5000 mm
MAXIMUM CABLE LENGTH (FOR MAX RUN LENGTH)	(ø 0,5 mm) 1500 mm
GAP BETWEEN LEDS	5 mm
VOLTAGE	24V dc
DIMMABLE	YES
POWER	21W / 25W / 33W
SERVICE LIFE	> 72.000 HRS
IP RATING	IP20
COLOR TEMPERATURE	2700K / 3000K / 4000K
CRI	90
MACADAM ELLIPSE	3
LPM	140 lpm
WARRANTY	5 YEARS



140 leds/m

4070 lm/m (4000K)

72.000 hours

Data Sheet

High efficiency ledstrip

reference builder				
TYPE	POWER	C. TEMP	CRI	L. mm ⁽¹⁾
FHE+ (led strip)	21 (21W/m) (2550lm/m-2770lm/m)	27 (2700K)	90 (CRI>90)	.5 (5000mm)
	25 (25W/m) (3080lm/m-3145lm/m)	30 (3000K)		.10 (10000 mm)
	33 (33W/m) (3960lm/m-4070lm/m)	40 (4000K)		.50 (50000 mm)

⁽¹⁾ Other lenghts available under request. Maximum 5 m LED strip and 3 m of cable to avoid tension loss.
Needs dessipation

Order example:
FHE+ 21 30 90 D .5000
flexy HE+ 21 W/m 3000K CRI90 IP20 dali 5000mm



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qbo healthcare lighting

Rest & Chill zones

- Workers, patients and accompanying persons may spend many hours in healthcare facilities
- For this reason, it is important to take care of the rest areas so that they are pleasant environments where light helps people to avoid the stress and rest
- Curved shapes are relaxing, which is why we seek to enhance them with flexible LED luminaires and spotlights in a warm colour temperature.



feels like home

Waiting Room

- Zone according to corridors and passageways
- Neutral and soft lighting to invite relaxation
- LED panels with different types of light (tunable white, RGB) depending on the time of day and medical speciality
- For example, different colours can be used in the paediatric area to make the space more child-friendly



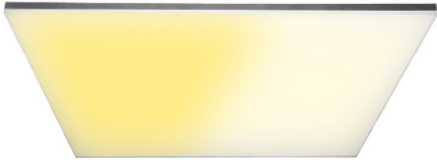
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qbo

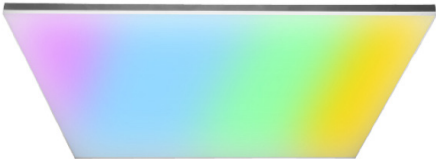
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TUNABLE WHITE



RGB



TILED 60X60

SINGLE COLOUR



Lite
Suspended



qbo healthcare lighting

Lite Suspended

- SUSPENDED / SURFACE/ FLOOR
- FINISH: WHITE / BRASS SATIN / BLACK / BLUED BRASS
- DIMMABLE: No / DALI
- CRI: 90+
- COLOR TEMPERATURE: 2700K / 3000K / 4000K
- BEAM: 18° / 30° / 50°
- FEDER KIT: INCLUDED

Tiled TS 60x60

- SURFACE / RECESSED
- LIGHT TYPE: NORMAL / RGB / TUNABLE WHITE
- DIMMABLE: No / DALI
- CRI: 90+
- COLOR TEMPERATURE: 2700K / 3000K / 4000K / 6000K
- IP: IP44
- FEDER KIT: INCLUDED

feels like home



tiled
 TS

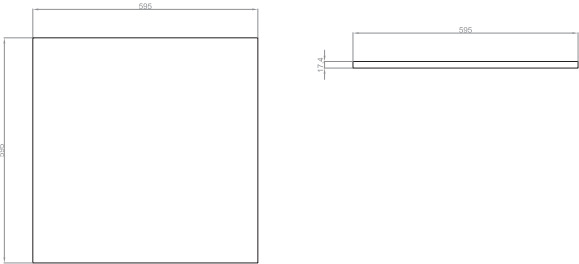
RANGE	QBO TILED TS
REF.	TD60TS-
TYPE	LED PANEL
DIMENSIONS	595 x 595 x 17,4 mm
WEIGHT	4,43 Kg
MATERIAL	ALUMINIUM AND POLYSTYRENE
FINISH	WHITE
VOLTAGE	220 - 240 V
FREQUENCY	50 / 60 Hz
DIMMABLE	NO
POWER	36 W
POWER FACTOR	0.85
FORWARD VOLTAGE	27 - 42 V
SERVICE LIFE	50.000 HRS
IP RATING*	IP44
OPERATING TEMPERATURE	-20 to 40 °C
LIGHTING DISTRIBUTION	DIRECT
COLOR TEMPERATURE	3000K
CRI	90
LIGHTING FLUX	3100 lm
LUMINOUS EFFICACY	87 lm/W
OPENING DEGREES	110°

*LUMINAIRE IP44, DRIVER IP20



CODE	DESCRIPTION
TD60TS36309044	TILED TS 60x60 36W 3000K Ra90 IP44
TD60TS36409044	TILED TS 60x60 36W 4000K Ra90 IP44

Data Sheet



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Data Sheet

lite suspended

RANGE	LITE
REF.	LITEY-
TYPE	LED SUSPENDED LUMINAIRE
CEILING INSTALLATION	TRIM (recessed) / ROSETTE (surface)
DIMENSIONS	Ø40 x 190mm / Ø40 x 440mm
MATERIAL	ALUMINIUM
FINISH	WHITE / BRASS SATIN / BLACK / BLUED BRASS
CUT DIAMETER	60 mm (for trim version) / 54mm (for coin version)
LIGHT SOURCE	LED MODULE
VOLTAGE	220 - 240 V
FREQUENCY	50 / 60 Hz
FEEDER KIT	INTEGRATED / REMOTE (180mA)
DIMMABLE	TRIAC
POWER	6W
SERVICE LIFE	40.000 HRS
IP RATING	IP40
LIGHTING DISTRIBUTION	DIRECT
COLOR TEMPERATURE	2700 / 3000 / 4000 K
CRI	90
LIGHTING FLUX	from 345lm to 517lm
OPENING DEGREES	18° / 30° / 50°



CODE	DESCRIPTION
LITEY-	LITE suspended-

* Remote driver for 190mm
** Integrated driver for 400mm

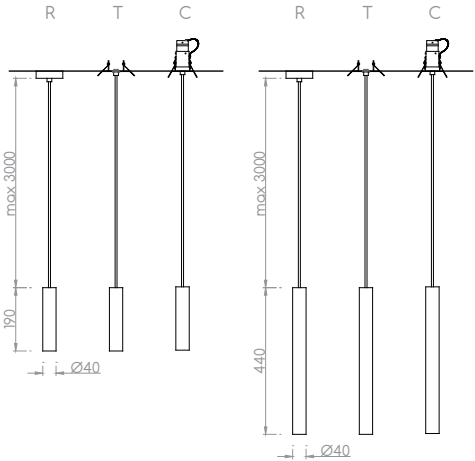


* Remote driver for 190mm
** Integrated driver for 400mm

reference builder								
TYPE	INSTALL.	LENGTH	POWER	C. TEMP	BEAM ANG	CRI	FINISH	DIMMING
LITEY <i>(suspended)</i>	R <i>(rosette surface)</i>	M <i>(190mm)</i>	6 <i>(6W)</i>	27 <i>(2700K)</i>	18°	90 <i>(CRI>90)</i>	00 <i>(white)</i>	T <i>(TRIAC)</i>
	T <i>(recessed)</i>			30 <i>(3000K)</i>	30°		02 <i>(brass satin)</i>	
	C <i>(recessed coin s)</i>			40 <i>(4000K)</i>	50°		09 <i>(black)</i>	
		L <i>(440mm)</i>					13 <i>(blued brass)</i>	

* Coin S frame as standard. Trimless version available.

Order example:
LITEY R L 6 30 18 90 00 T
LITE spotlight suspended rosette L 440mm
6W 3000K 18° CRI90 white finish TRIAC



feels like home



qbo healthcare lighting

Room

- Living, recovery area
- Warm lighting close to the circadian cycle, mostly indirect
- In the headboard special lighting suitable for nursing service
- Decorative in the side tables or living areas to provide a homely atmosphere



Medical headboard
Ramón sanabria

feels like home

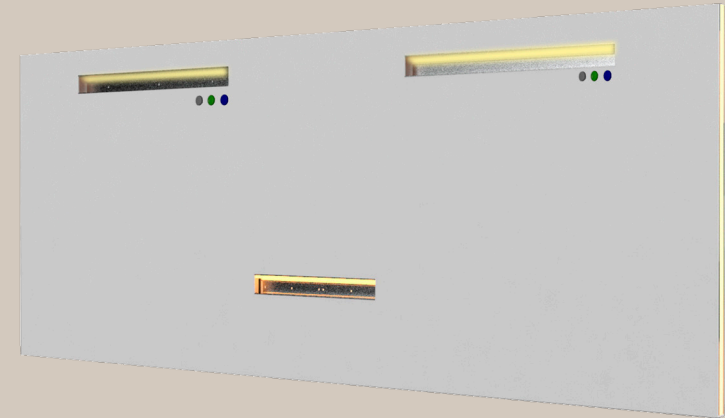
Medical headboard



qbo healthcare lighting

Medical headboard
Ramón sanabria

- LIGHTING DISTRIBUTION:
DIRECT / INDIRECT
- WHITE / BLACK / RAL
- DIMMABLE: No / DALI
- CRI: 90+
- COLOR TEMPERATURE: TUNABLE
WHITE
- FEDER KIT: INCLUDED
- GAS INTAKE : INCLUDED
- HPL structure for medical use with dimension customised on the architecture of the space, complete of qbo extruded modular profile where is possible to place electrical utilities and light headboard complete of direct and indirect ligh, gas, Oxigen and Vacuum outlet designed from the famous architect Ramon Sanabria



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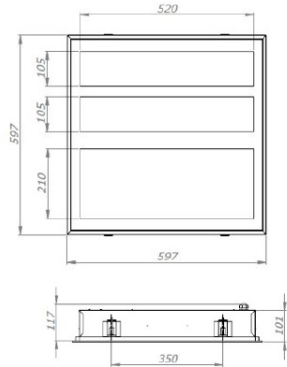
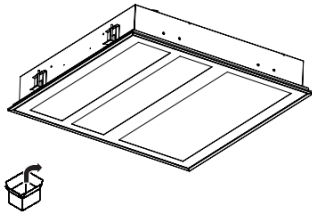
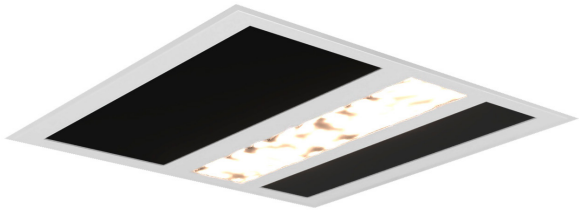
medical

RANGE	QBO Medical
REF.	MED-
TYPE	SURFACE
DIMENSIONS	600x600 mm
MATERIAL	ALUMINUM
FINISH	WHITE
VOLTAGE	200 - 240 V
FREQUENCY	50 / 60 Hz
DIMMABLE	NO / YES (DALI)
POWER	41 / 22 / 22W
POWER FACTOR	0,9
SERVICE LIFE	> 100.000 HRS
WARRANTY	5 YEARS
INSULATION CLASS	CLASS I
IP RATING	IP44
LIGHTING DISTRIBUTION	DIRECT
COLOR TEMPERATURE	4000 K
CRI	80
MACADAM ELLIPSE	3
LIGHTING FLUX	4550 lm / 1850 lm / 1050 lm
LUMINOUS EFFICACY	111.0 lm/W / 84.1 lm/W / 47.7 lm/W

* DRIVER INCLUDED



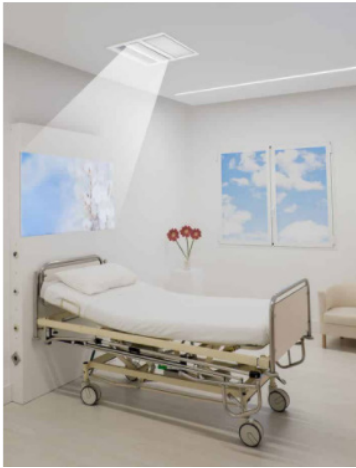
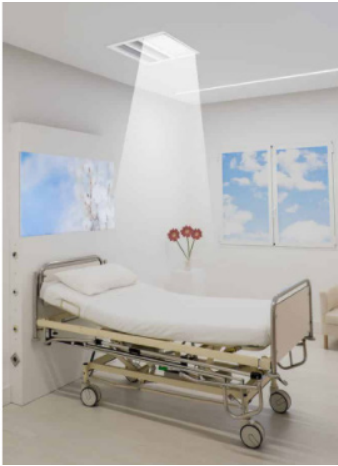
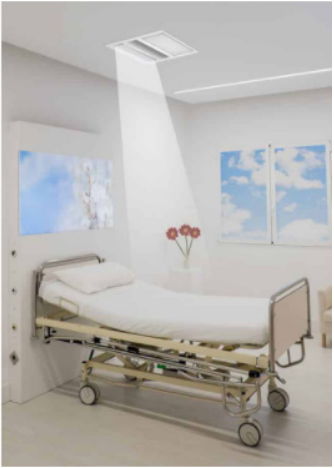
CODE	DESCRIPTION
MEDS41408002D	MEDICAL luminaire surface 41W 3000K CRI80 WHITE finish DALI



reference builder

TYPE	INSTALL	POWER	C. TEMP	CRI	FINISH	DIMING
MED (luminaire)	S (surface)	41 (41W)	30 (3000K)	80 (CRI>80)	02 (white)	- (on/off)
		22 (22W)				D (DALI)
		22 (22W)				

Order example:
MED S 41 40 80 02 D
MEDICAL luminaire surface 41W 3000K CRI80 WHITE finish DALI



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Data Sheet

headboard HB

RANGE	QBO CABECEROHB
REF.	QBOCAHB-
TYPE	HEADBOARD
DIMENSIONS	1900 x 300 x 119 mm
MATERIAL	WOOD
FINISH	PASTEL VIOLET / WHITE / PASTEL BLUE / PASTEL GREEN / PASTEL TURQUOISE
VOLTAGE	220-240 V
FREQUENCY	50/60 Hz
FEEDER KIT	INCLUDED
DIMMABLE	YES
POWER	DIRECT LIGHT: 26 W / INDIRECT LIGHT: 12W
SERVICE LIFE	> 50.000 HRS
INSULATION CLASS	CLASS II
IP RATING	IP20
OPERATING TEMPERATURE	-20°C to 45° C
LIGHTING DISTRIBUTION	DIRECT
COLOR TEMPERATURE	3000K
CRI	90
LIGHTING FLUX	DIRECT LIGHT: 3780 lm / INDIRECT LIGHT: 1662lm
LUMINOUS EFFICACY	DIRECT LIGHT: 145,83lm/W / INDIRECT LIGHT: 144,27lm/W

CE


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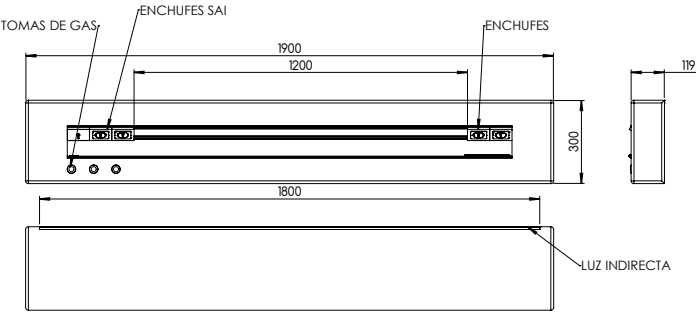
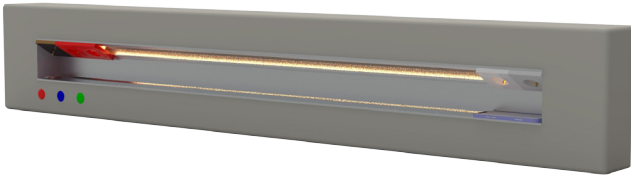

PASTEL
VIOLET


WHITE


PASTEL
BLUE


PASTEL
GREEN


PASTEL
TURQUOISE



feels like home

Operation room

- Work area in need of permanent attention by specialized staff
- Colder, homogeneous and direct lighting in specific areas



qbo healthcare lighting

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qbo healthcare lighting



TILED 120X30



TILED 60X60

Profile 31 x 70
recessed

Profile 31 x 70

- SURFACE / SUSPENDED / RECESSED
- EMERGENCY & MOVEMENT SENSORS
- WHITE / ALUMINIUM / PALE GOLD / BRASS / BLACK /
- CRI: 90+
- COLOR TEMPERATURE: 6000 K
- DIMMABLE: YES / NO
- FEDER KIT: INCLUDED

Tiled 120x30

- SURFACE / RECESSED
- LIGHT TYPE: NORMAL / RGB / TUNABLE WHITE
- DIMMABLE: No / DALI
- CRI: 90+
- COLOR TEMPERATURE: 2700K / 3000K / 4000K / 6000K
- IP: IP44
- FEDER KIT: INCLUDED

Tiled TS 60x60

- SURFACE / RECESSED
- LIGHT TYPE: NORMAL / RGB / TUNABLE WHITE
- DIMMABLE: No / DALI
- CRI: 90+
- COLOR TEMPERATURE: 2700K / 3000K / 4000K / 6000K
- IP: IP44
- FEDER KIT: INCLUDED

feels like home

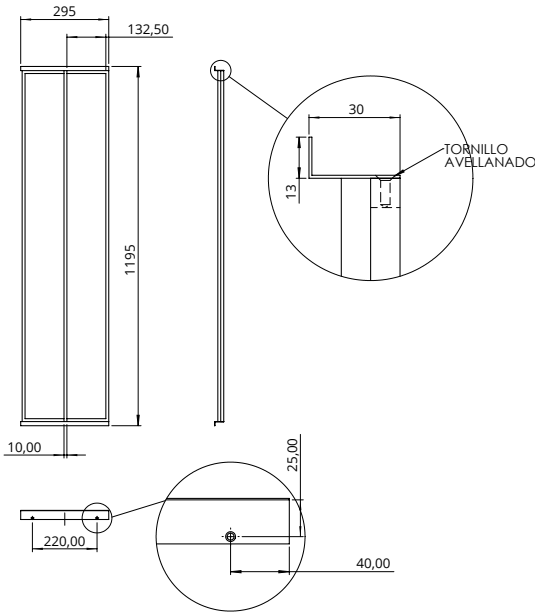
Data Sheet

tiled^M

RANGE	QBO TILED M
REF.	TD-
TYPE	LED SURFACE PANEL
DIMENSIONS	1200 x 300 x 55 mm
MATERIAL	EXTRUDED ALUMINUM
DIFFUSER	OPAL
FINISH	GLOSSY WHITE
VOLTAGE	220-240 V
OVERTIME PERFORMANCE	LM70
FREQUENCY	50 / 60 Hz
FLICKERING	400 Hz
DIMMABLE	DALI
POWER	36 W
LIFETIME	50.000 h
IP RATING	IP44
LIGHTING DISTRIBUTION	DIRECT
THD	15%
COLOR TEMPERATURE	4000K
MACADAM ELLIPSE	3
CRI	> 90
LIGHTING FLUX	3600 lm
LUMINOUS EFFICACY	100 lm/w
OPENING DEGREES	120 °
UGR	< 19
FLICKERING	>400Hz
THD	<15%



CODE	DESCRIPTION
TD12020M36408044.s	TILED M SURFACE 120x20 36W 4000K Ra90 IP44



feels like home



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