MADE IN
PORTUGAL
by INDELAGUE GROUP

EN

ALPHA
range

INDELAGUE GROUP

INDELAGUE™ | ROXO lighting

HIGH TECH | LIGHTING SOLUTIONS

ALPHA range

With ever increasing legislation pressurising specifiers, consultants, and architects to meet stringent energy and carbon emission reductions, lighting technology is striving to keep pace. One of the biggest changes to building construction is the utilisation of exposed ceilings. This enables designers to maximise natural cooling and assists in air-conditioning configuration.
This change in construction planning has generated other issues including sound absorption, reducing overall personal comfort in some spaces.
To assist the construction industry in meeting these demands, we have developed ALPHA Lighting and Acoustic System.

ALPHA is a suspended integration system combining lighting, acoustic management, and lighting controls.
ALPHA is available in both LED (2x22/2x27W) and T5 fluorescent (28/35/49/54/80) in single or twin configurations.
The flexibility of the ALPHA System allows specifiers to achieve any configuration required. The system allows continuous electrical wiring while incorporating infill sections capable of housing PIR sensors, downlighters, audio systems, and other ancillaries.
All usual control options are available to integrate into the system including DSI or DALI dimming, and emergency features including self-test.

ALPHA offers direct/indirect lighting feature to client's specification. The acoustic element is also harnessed in the side panels and can be adjusted to meet building's requirement.

Areas of Application: Museums, art galleries, commercial, educational, office, and public spaces.

ALPHA LED

Suspended luminaire

- Linear suspended 2x22/2x27W.
- LED luminaire luminous flux up to 7500 Lm.
- LED up to 108 Lm/W.
- Life 50000 Hours.
- Colour temperature 4000/3000K.
- CRI >80.
- 30mm acoustic absorption foam.
- Infill module sections for easy installation and creative design.
- Equipped with LED driver, 220-240VAC-50/60Hz.

Optional:

- Dimmable versions (DSI/DALI).
- Microprismatic or opal diffuser.
- Various length and width options.
- 1 or 3 hours emergency.

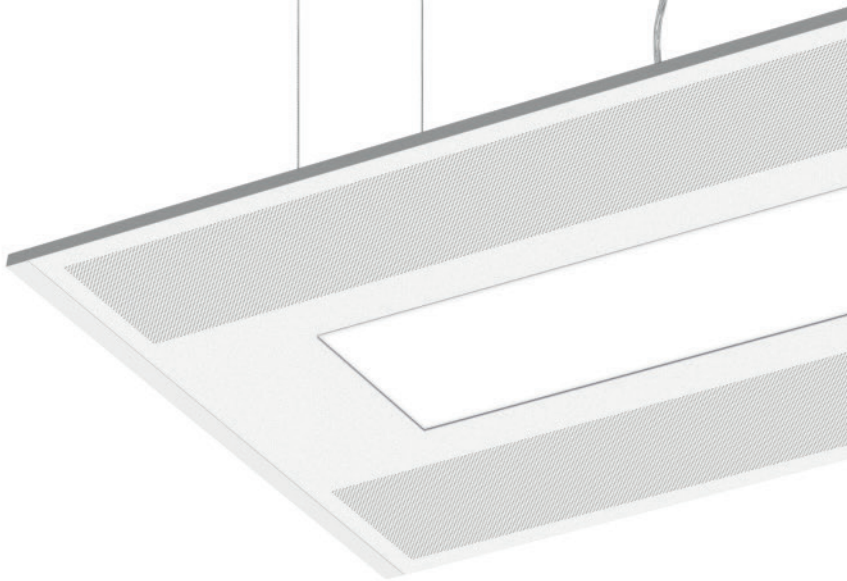
ALPHA

Suspended luminaire

- Linear suspended T5 version with 28/35/49/54/80W.
- Up to 84% LOR.
- Up to 83 Lm/W.
- 30mm acoustic absorption foam.
- Infill module sections for easy installation and creative design.
- Equipped with electronic equipment, 220-240VAC-50/60Hz.

Optional:

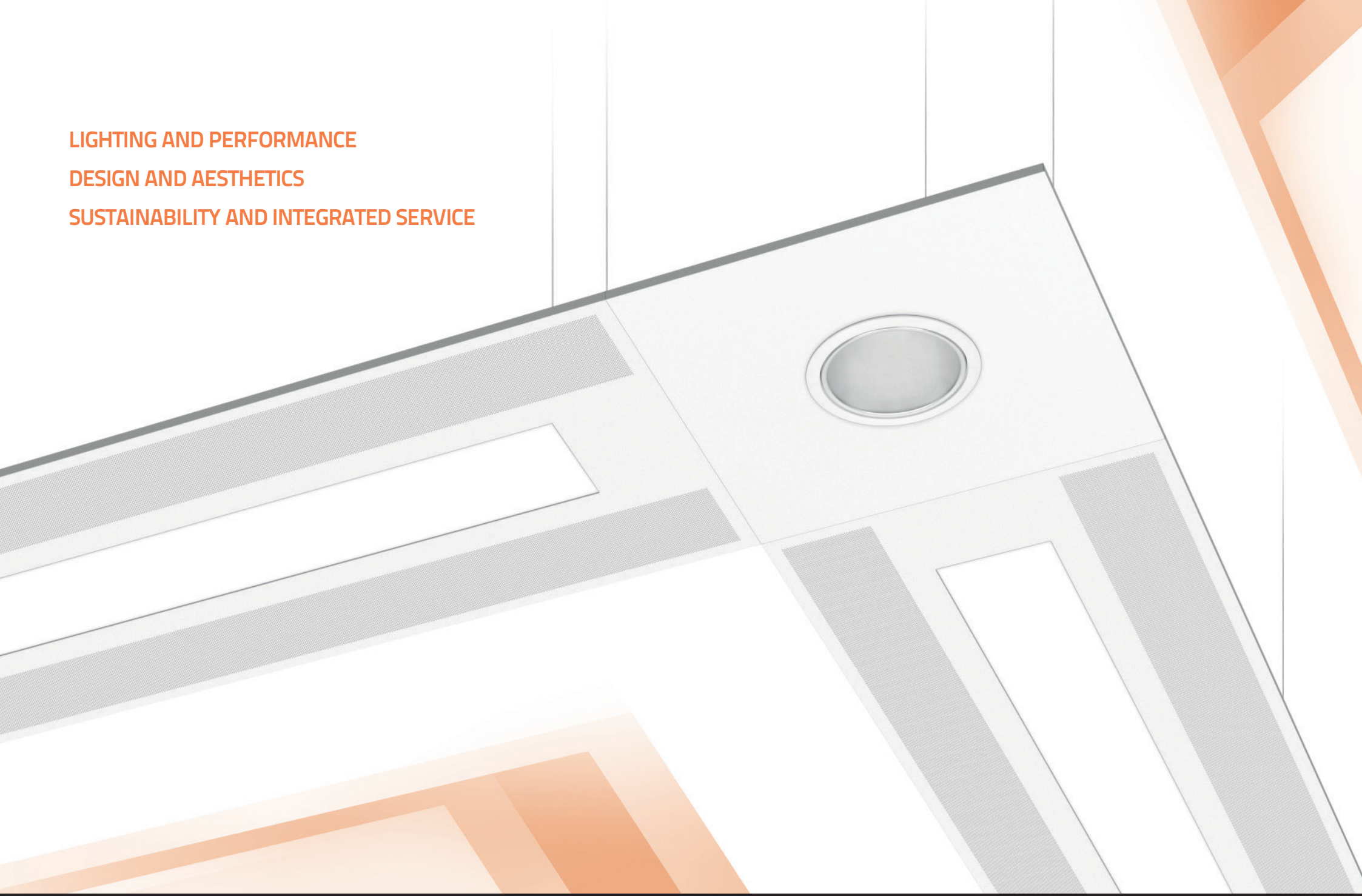
- Dimmable versions (DSI/DALI).
- Polished double parabolic louvre, microprismatic or opal diffuser.
- Various length and width options.
- 1 or 3 hours emergency.



LIGHTING AND PERFORMANCE

DESIGN AND AESTHETICS

SUSTAINABILITY AND INTEGRATED SERVICE



OPTIMISING LIGHT, SOUND AND INTEGRATED SERVICES IN YOUR SPACE

QUALITY LIGHTING

LIGHTING AND ACTIVITIES OF EDUCATION/WORK QUALITY

- Title of first sub-heading : Lighting and Activities of Education/ Work Quality.
- Maximises the use of daylights and creates a more productive and enjoyable work/learning environment.

ACOUSTIC AND DEFAULT STANDARD

- Lighting, acoustics and integrated services in a single product.
- Simplified work coordination and visits of contractors to the construction site are reduced.
- Reduced installation time and increased reliability with factory assembly.

FLEXIBILITY AND ADDITIONAL MODULES

- Stylish and minimalist design resulting in more attractive spaces.
- Optional modules allow for more creativity.

INTEGRATED SERVICES

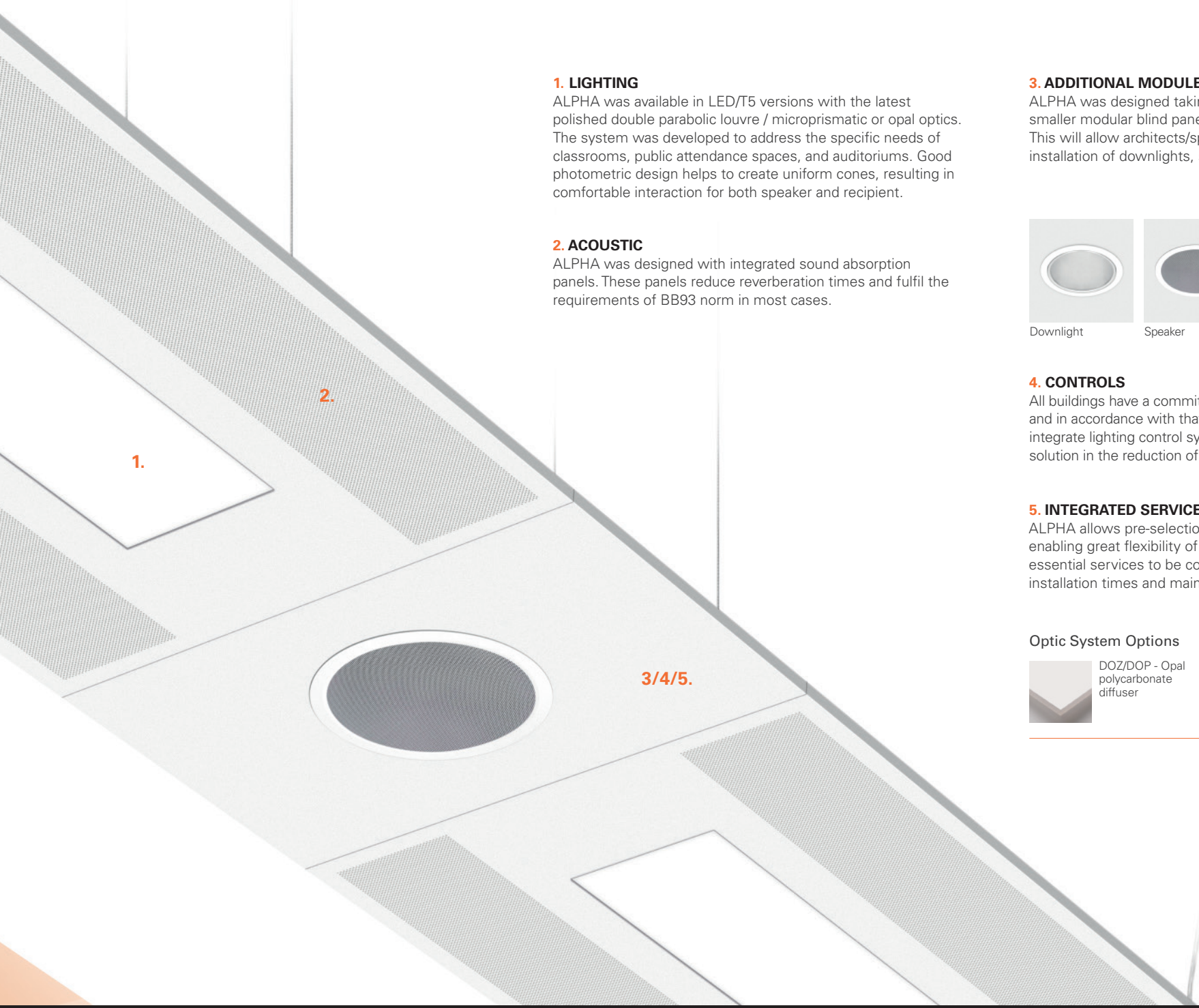
- Integration of services allows intact architecture and uncut ceilings.
- Proper lighting and acoustic improvements contribute to better learning/work environment.
- Clear walls for educational/work tool applications.

DECREASE OF CARBON EMISSIONS

- High efficiency of microprismatic diffuser which leads to lower power consumption.
- Significant increase in energy savings with the use of sensor/ presence detector.
- Automatic brightness control for pre-selected fixtures maximizing the use of natural light.

EASY INSTALLATION

- Pre-assembled with all fixtures tested before delivery.
- Suspension supports assist with easy assembly, simplifying installation.
- Integration of services inside luminaire helps to reduce assembly time of the complete system.



1. LIGHTING

ALPHA was available in LED/T5 versions with the latest polished double parabolic louvre / microprismatic or opal optics. The system was developed to address the specific needs of classrooms, public attendance spaces, and auditoriums. Good photometric design helps to create uniform cones, resulting in comfortable interaction for both speaker and recipient.

2. ACOUSTIC

ALPHA was designed with integrated sound absorption panels. These panels reduce reverberation times and fulfil the requirements of BB93 norm in most cases.

3. ADDITIONAL MODULES

ALPHA was designed taking into consideration a system of smaller modular blind panels (400/600mm and 600/800mm). This will allow architects/specifiers to have full flexibility in the installation of downlights, speakers, and light/motion sensors.

Downlight

Speaker

Light and presence sensor

4. CONTROLS

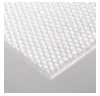
All buildings have a commitment to reduce their carbon emissions, and in accordance with that ALPHA system was designed to integrate lighting control systems. Therefore, it presents the best solution in the reduction of energy consumption.

5. INTEGRATED SERVICES

ALPHA allows pre-selection of a wide range of accessories, enabling great flexibility of space management. This allows many essential services to be contained in a single unit, reducing installation times and maintaining the integrity of the ceiling.

Optic System Options

DOZ/DOP - Opal polycarbonate diffuser



DAM - Microprismatic diffuser

SPECIFICATION

ALPHA LED | DAM - Microprismatic diffuser

W	UGR	Lm	LOR	Lm/W
2x22	≤19	6000	85%	104
2x27	≤19	7500	86%	108

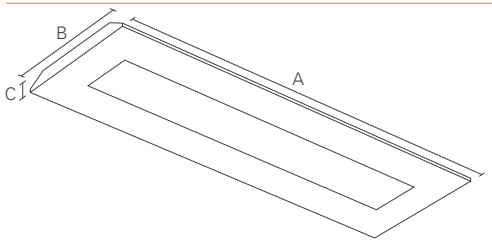
Colour rendering index CRI >80
Colour consistency 3-step MacAdams (SDCM)
50.000 h lifetime (L80)
Colour temperature 4000/3000K

ALPHA (T5) | PB - Polished double parabolic louvre

W	UGR	Lm	LOR	Lm/W
1x28	≤19	2600	78%	67
1x35	≤19	3300	83%	83
1x49	≤19	4300	77%	63
1x54	≤19	4450	77%	60
1x80	≤19	6150	84%	61
2x28	≤16	5200	79%	68
2x35	≤16	6600	80%	70
2x49	≤19	8600	79%	64
2x54	≤19	8900	79%	62
2x80	≤19	12300	77%	55

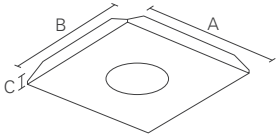
DIMENSIONS AVAILABLE:

MAIN PANEL



AxBxC (mm)
1800x600x60
1800x800x60
2200x600x60
2200x800x60

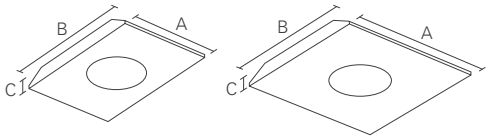
INFILL CORNER PANEL



AxBxC (mm)
600x600x60
800x800x60

Basic version / downlight / speaker / light or motion sensor.

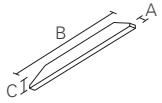
INFILL CENTER PANEL



AxBxC (mm)
600x400x60
600x600x60
800x400x60
800x600x60

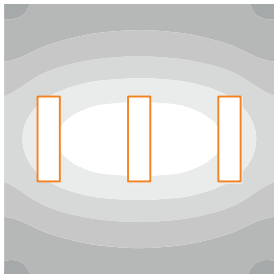
Basic version / downlight / speaker / light or motion sensor.

END CAP



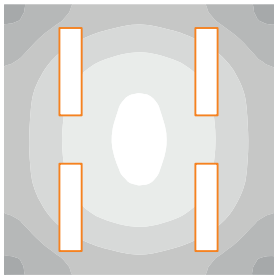
AxBxC (mm)
25x600x61
25x800x61

PERFORMANCE



ALPHA LED 2x22W DAM

LED: 2 x 22W
SPACING: 3,75 x 3,75m
CEILING HEIGHT: 3,2m
MAINTENANCE: 0,8
REFLECTANCE: 20/70/50
WORKING PLACE: 0,8m
ILLUMINANCE: 627 lux

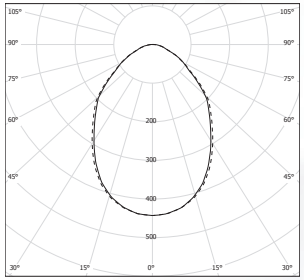


ALPHA (T5) 1x54W DAM

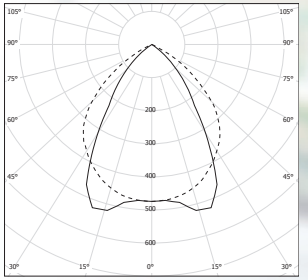
LAMPS: 1 x 54W (T5)
SPACING: 3,75 x 3,75m
CEILING HEIGHT: 3,2m
MAINTENANCE: 0,8
REFLECTANCE: 20/70/50
WORKING PLACE: 0,8m
ILLUMINANCE: 436 lux

PHOTOMETRY

ALPHA LED 2x27W DAM
LED



ALPHA 1x35W PB
Lamp: 1 x FH 35W/840 HE



INDELAGUE GROUP

INDELAGUE
HIGH TECH | LIGHTING SOLUTIONS

ROXO lighting

HEADQUARTERS
INDÚSTRIA ELÉTRICA DE ÁGUEDA S.A.
Rua da Mina 465 | Covão
Zona industrial EN1 Norte
Apartado 106 / 3754-909
3750-792 Trofa
ÁGUEDA | PORTUGAL
GPS. 40º 36' 00.54" N | 8º 27' 11.76" W
T. +351 234 612 310 | F. +351 234 624 058
WWW.INDELAGUE.COM

UNITED KINGDOM
ROXO LIGHTING LIMITED
24 BEDFORD ROW
LONDON | WC1R 4TQ
roxo.london@roxolighting.com
WWW.ROXOLIGHTING.COM

SPAIN
INDELAGUE ESPAÑA, S.L.
Avenida del Ejército, nº 8 - 1ºC
C.P. 15006 | A CORUÑA | ESPAÑA
comercial@indelague.com
WWW.INDELAGUE.COM

COMPETE
PROGRAMA OPERACIONAL FACTORES DE COMPETITIVIDADE

QUADRO DE REFERÊNCIA ESTRATÉGICO NACIONAL
PORTUGAL 2007 2013

UNIÃO EUROPEIA
Fundo Europeu de Desenvolvimento Regional

FIV001/3