



3BROTHERS
BIG, BRILLIANT, BRIGHT

iComfort

A JEWEL BEHIND THE CEILING

www.3-brothers.com



3BROTHERS
BIG, BRILLIANT, BRIGHT



3Brothers LED Catalogue is a working document for all Electrical Engineers, Lighting Planners and Designers. It provides full information on technical and lighting data regarding our full range of luminaires, their possible areas of application as well as their constructive and design quality.

3Brothers is the partner of all Lighting Planners and Designers; a reliable and performant supplier of Dealers and Project Managers.



■ About 3Brothers

3Brothers is one of the leading lighting manufacturers in Egypt and the MENA region that has been established in 1990 and has now reached after 26 years to rule more than 30% of the Egyptian market with 2 huge factories in the 10th of Ramadan industrial area. With its unique Die cast abilities and high quality laboratories 3Brothers offers its partners and clients more than just a lighting fixture, we offer you a design tool with an architectural look all without any compromise in the lifetime and quality.

■ Vision

3Brothers Company seeks to deepen the awareness of lighting and its practical applications in the form of leading products. It aims to make change in the concept of community about lighting. 3Brothers reflects the latest discoveries of this science and its applications.

■ Mission

3Brothers is an industrial and trading company which seeks to deliver and provide integrated solutions in the field of lighting with its products and applications. It exerts plenty of efforts to develop the products and applications for our lighting consultants' usage and the final consumer in Egypt and the Arab region.

■ Product lines

3Brothers advanced lighting system brings out the best in your environment and is the ideal lighting solution if you are looking to enhance the ambience and atmosphere in any room or space.

With the freedom to create the perfect lighting scenes for home, business or outdoor environments, 3Brothers is the obvious choice for those who value quality and confidence of operation.

Indoor range: LED and conventional Down Lights, Task lighting, LED panels, Fluorescent fixtures, Industrial Lighting and Emergency lights.

Outdoor range: Steplights, Uplights, Floodlights, Spikes, Wall washers, Wall mounted luminaires, Bollards, Poles, Urban luminaires and Street Lighting fixtures.

We are enthusiastic in dealing with the best OEM, providing us with the highest quality aiming to achieve the customers' satisfaction.

■ Services:

3Brothers offers several trainings and seminars to provide the clients with profound product knowledge, detailing specifications and applications of various products covering internal, external lighting and LED products.

3Brothers also offers their esteemed clients with free of charge service of designing and planning projects using one of the best lighting design and simulation programs, Relux and 3D Max.

Our services include training courses about :

1-Lighting design program (RELUX)

2-Landscape lighting

3-Light sources

4-Light physics.

3Brothers also offers the lighting design for complementary to support our customers.

■ Testing Facilities

3Brothers guarantees that all its luminaires are tested according to the latest standards and with the highest technology equipment. All our products are tested twice, once at our accredited labs to ensure no low quality products are on the manufacturing line, then we test at ELTM “Egyptian Lab for Technical Measurements” which is accredited by the EGAC with (ISO/IES 17025:2005) which enables us to have a 3rd party testing lab to ensure our quality is always more than the standards. EGAC itself is a member in ILAC “ International Laboratory Accreditation Co-operation ”



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HUMAN CENTRIC LIGHTING

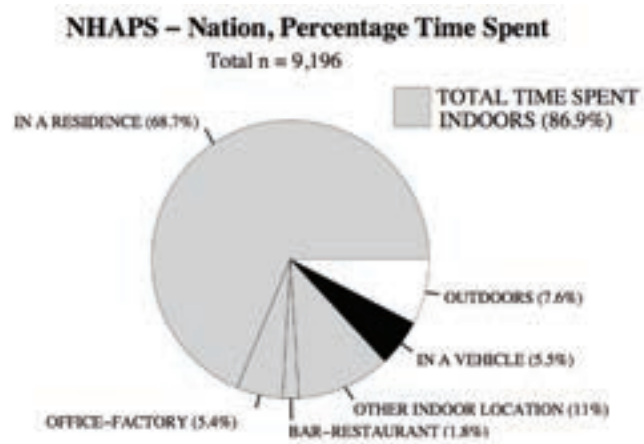


■ CONCEPT

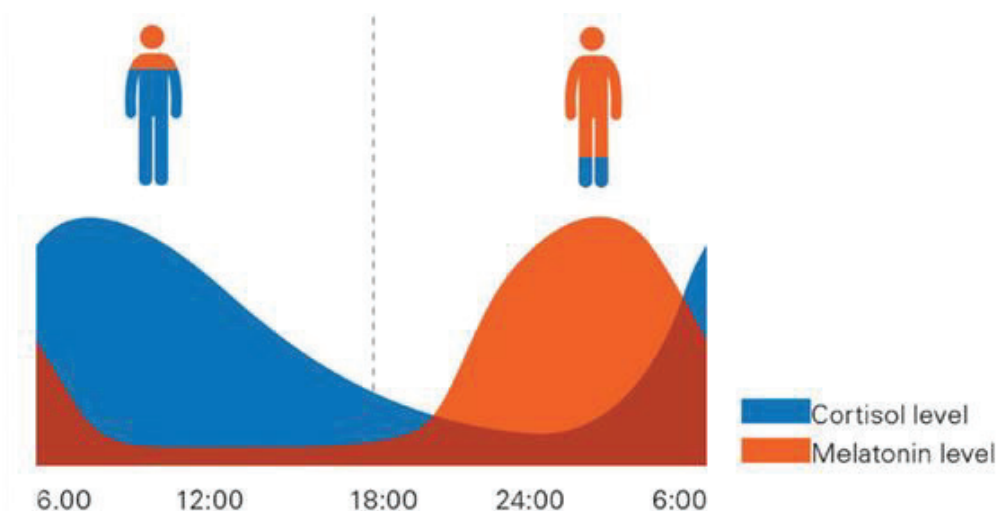
Human centric lighting may well be the next great step forward in the evolution of lighting.

Human centric lighting is based on the idea of enabling the regulation of light direction, colour temperature and level according to need and desire to positively influence alertness, relaxation, mood, visual acuity and productivity.

Until the advancement of the industrial revolution, 90 % of our waking lives were spent outdoors; on the contrary we now spend the same proportion of our lives indoors. As humans, our natural need is for daylight, with its properties influencing our physiology and psychology. However, we generally work under light that is monotonous both in terms of light level and colour temperature, which is not consistent with daylight.



Studies have found that the natural colour of daylight stimulates the production of **Melatonin** (Sleep hormone) and **Cortisol** (Alertness hormone) which control the physical, mental and behavioral changes that follow a roughly 24- hour cycle, responding primarily to light and darkness in a person, or their **Circadian rhythm**.



■ ICOMFORT LINES

① S-Line _____



② I-Line _____



③ LFO Gypsum Line _____

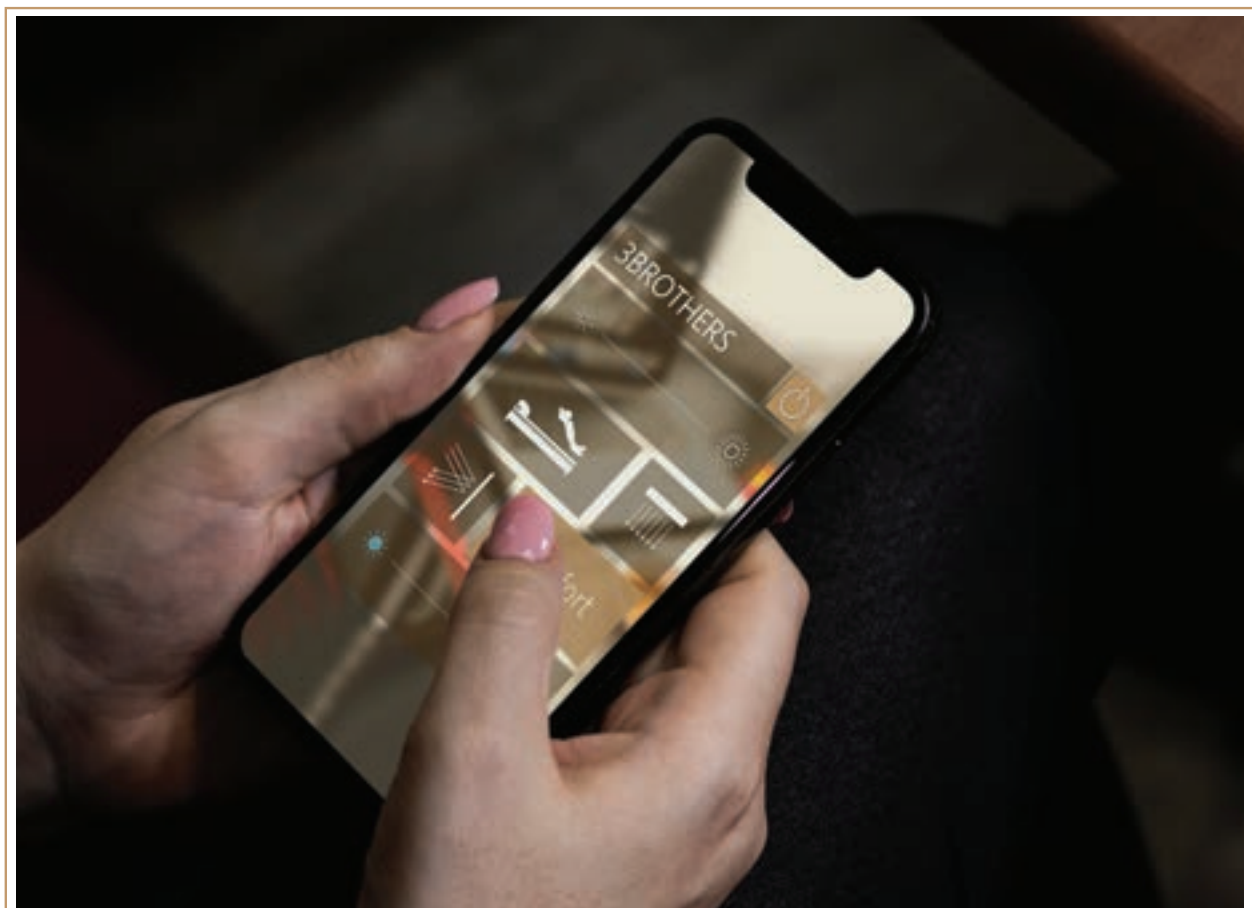


④ Tunable LED Panel _____



■ FEATURES FOR ICOMFORT LINES

- Circadian Compatible
- Glare free
- Symmetric, asymmetric, direct & indirect distribution options.
- High efficiency
- High uniformity
- Integral part of the architecture
- Bluetooth control
- Auto tuning
- Pre-Programmed scenario.
- Suspended, embedded, wall and surface mount versions
- Multiple lumen package and CCT options
- Diffused lighting (PMMA Diffuser)
- Task lighting (8mm aperture)



LINEAR LIGHTING

For lighting professionals looking for a modern well-designed lighting installation for an office or public space project, the **S-line & I-Line** lighting systems offer perfect solutions suitable for any kind of installation, with luminaires designed for use as a single light source or customized shapes. Both lines deliver visual comfort and energy efficiency. All project needs can be satisfied, the various installation options (recessed, surface-mounted and suspended) and diffuse or concentrated glare-free light versions to meet ambient design requirements.

• S-LINE

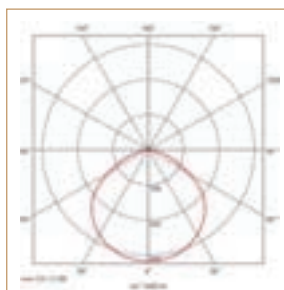
CCT
4000KCRI
> 80> 50,000
Hrs

IP40

Part Number	No. of Modules	Flux	Power	Description
76007-PL-	4 Modules	4671 lm	37 W	suspended 120 cm
LIN-7605-2-33	8 Modules	9342 lm	74 W	suspended 60cm x 60cm hollow square
LIN-7605-4-33	16 Modules	18684 lm	148 W	suspended 120cm x 120cm hollow square
73290-PL-	4 Modules	4300Lm at 2700k	54.6 W/channel	Tunable suspended 120 cm
		4870Lm at 6000k		

- Available in 5000 K & 3000 K
- Available from 60 cm to 6 meters and customized shapes and recessed profiles.

Light Distribution



• I-LINE

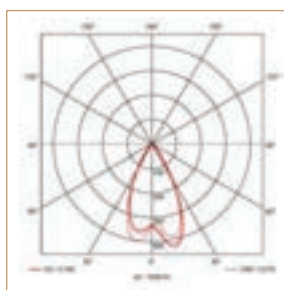
CCT
3000KCRI
> 80> 50,000
Hrs

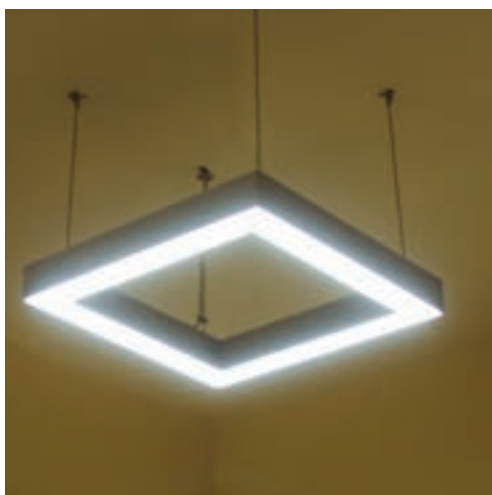
IP40

Part Number	No. of LEDs	Flux	Power	Description
73287-IC-	6 LED	2218 lm	25 W	suspended 60 cm
73285-IC-	12 LED	4435 lm	50 W	suspended 120 cm

- Available in 5000 K

Light Distribution





■ GYPSUM LFO FAMILY

Composed of **Downlights** with small aperture (8mm) that eliminates glare and makes your light source invisible. Also it has a powerful uniform washing effect thanks to its **Wallwasher** which provides delicate indirect lighting.

• DOWNLIGHTS

CRI
> 80> 50,000
Hrs

IP20

Part Number	No.of LEDs	Flux	Power	CCT
73180-IC-	1 LED	347 lm	8 W	3000
73185-IC-	1 LED	347 lm	8 W	3000
73200-IC-	4 LEDs	1610 lm	28 W	3000
73210-IC-	4 LEDs	1610 lm	28 W	3000
73215-IC-	16 LEDs	580 lm/channel	8 W/channel	2700:5700
73220-IC-	1 LED	347 lm	8 W	3000
73230-IC-	4 LEDs	1035 lm	18 W	3000
73235-IC-	4 LEDs	1610 lm	28 W	3000

• WALL WASHER

CRI
> 80> 50,000
Hrs

IP20

Part Number	No.of LEDs	Flux	Power	CCT
73190-IC-	4 LED	1600 lm	28 W	3000
73194-IC-	16 LED	1600 lm/channel	8 W/channel	2700:5700

• DALI CONTROLS

- 35 Watt DALI driver type 8.
- DALI touch panel with Bluetooth interface.
- DALI CDC.
DALI real time clock.
Biorhythmic time adjusted Tc reference value.
- DALI sensor.
Presence detector
Temperature measurement and monitoring
Light intensity measurement.



8 mm aperture

400 LM



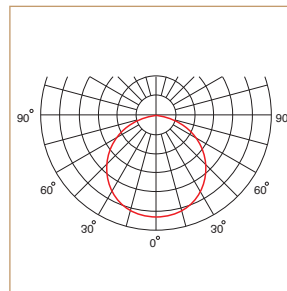
3RD LINE
■ TUNABLE LED PANEL

This empowers the user to control their environment and change the lighting according to their preferences and needs and to be circadian appropriate.

Part Number	No.of Modules	Flux	Power	CCT
77200-PL-	4 Modules	3840Lm at 2700k	34 W/channel	6500/2700
		4000Lm at 6500k		

Depth (m)	Distance (m)
1.0	3.14
2.0	6.28
3.0	9.42
4.0	12.57
5.0	15.71

Note: The distance was calculated with trigonometry







3BROTHERS
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FEEL THE LIGHT ... FEEL THE RHYTHM



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