

# Panel Light Series

With optimal energy savings LED panels are the ideal solution for the replacement of fluorescent fixtures. High quality LED panels have an even light output, clean finish, long lifetime, low maintenance, dust-free and a much lower energy consumption.

Careful consideration should be given to select a panel that provides longevity, as well as aesthetic excellence throughout the lifespan of the panel; Light Guide Plate - PS material is popular because of its low price but it turns yellow easily and gets dark spots which decreases the power conversion efficiency. PMMA material has the advantages of anti-aging and higher light transmittance compared with PS material.

Aluminium Frame: LED flat panel lights that use environment friendly aluminium housing with fast heat dissipation, anodized and anti-corrosion last longer and perform better. Common characteristics of an inferior aluminium panel light are slow heat dissipation, weakness, short chip life and fast fading light.



## Applications

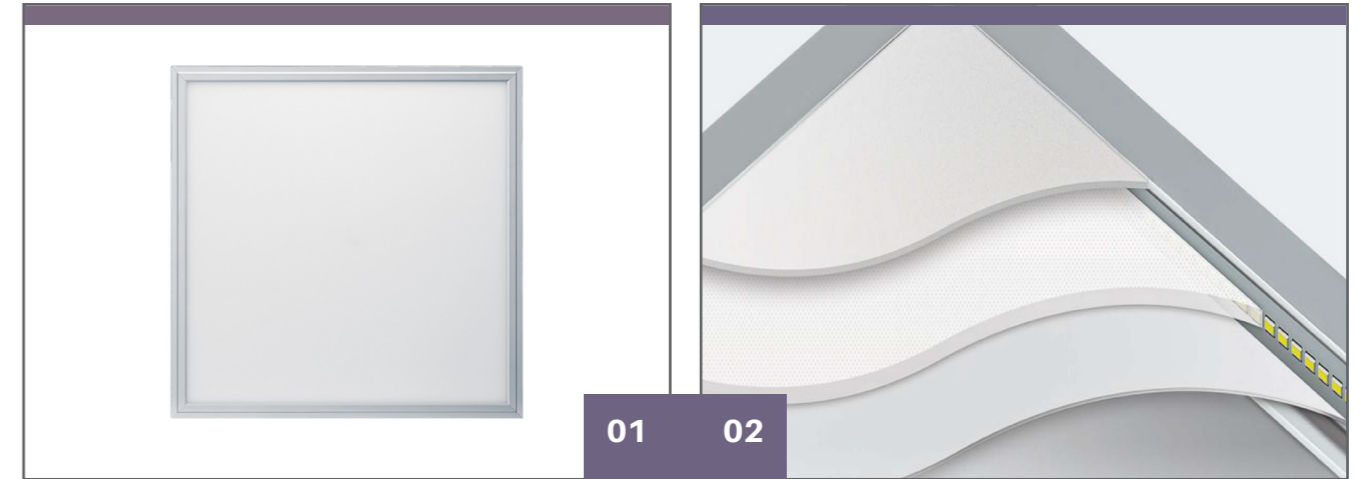
- Malls
- Commercial offices
- Retail shops
- Education facilities
- Airports
- Hospitals

## Considerations when selecting LED Panels:

1. UGR <19
2. PMMA Light Guide Plates (No Yellowing)
3. Flicker free driver
4. TM21 and LM79 test reports
5. Life hours >50,000 hrs L70
6. In Situ Temperature measurement report (ISTM)
7. CRI >80 /90
8. COI <3,3 (Medical panels)
9. Fixture Efficacy >100lm/w -150lmw

# LED Panel Honeycomb UGR<19

The Honeycomb LED panel has its reputation in quality, performance, longevity and aesthetic appeal. The Honeycomb LED panel has a PMMA Light Guide Plate (LGP) that ensures no yellowing even after many years of use. A perfect choice for offices, education facilities, hospitals, retail and general lighting.



100/120lm/w  
PMMA LGP  
UGR <19  
Micro prism diffuser  
Flicker free driver  
Life hours >65,000 Hrs L70B10

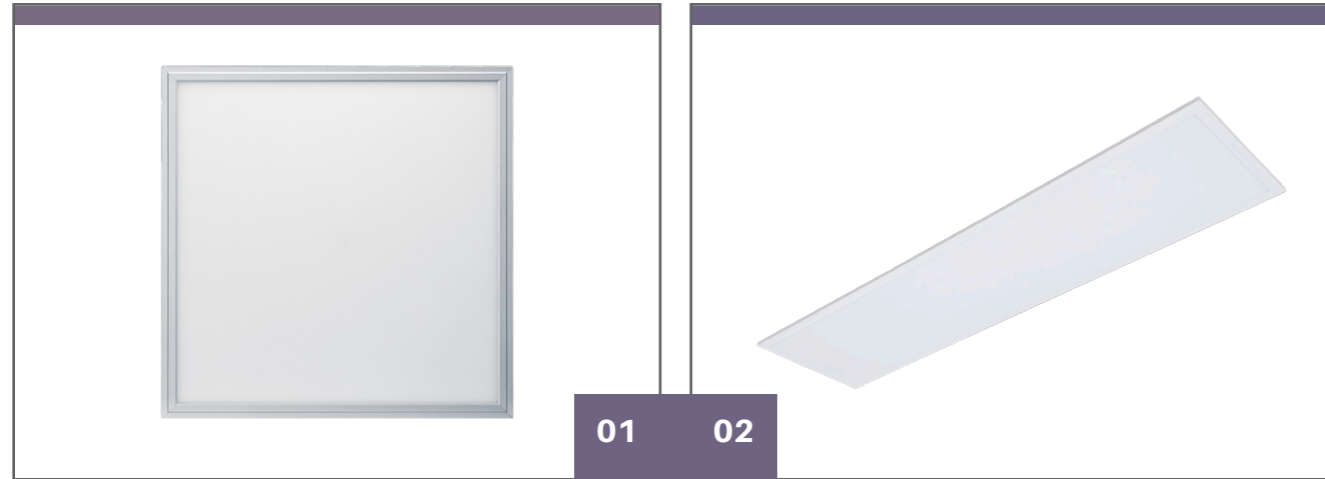
LM79 test report & ISTM21 test report  
5 year warranty  
1-10v or DALI dimming  
CCT:2700K, 3000K, 4000K 5000K, 6500K

CODE	POWER (W)	LUMEN (LM)	LM/W	DIMENSIONS (MM)
PHC66.1N/30**	30	3,000	100	595*595
PHC66.2N/30**	30	3,600	120	595*595
PHC66.1N/40**	40	4,000	100	595*595
PHC66.2N/40**	40	4,800	120	595*595
PHC123.1N/30**	30	3,000	100	1,195*295
PHC123.2N/30**	30	3,600	120	1,195*295
PHC123.1N/40**	40	4,000	100	1,195*295
PHC123.2N/40**	40	4,800	120	1,195*295
PHC126.1N/56**	56	5,600	100	1,195*595
PHC126.2N/56**	56	6,720	120	1,195*595



# LED Panel Opal diffuser

The opal diffuser LED panel has its reputation in quality, performance, longevity and aesthetic appeal. The standard LED panel has a PMMA Light Guide Plate (LGP) that ensures no yellowing even after many years of use. A perfect choice for general lighting, common areas, malls and airports.



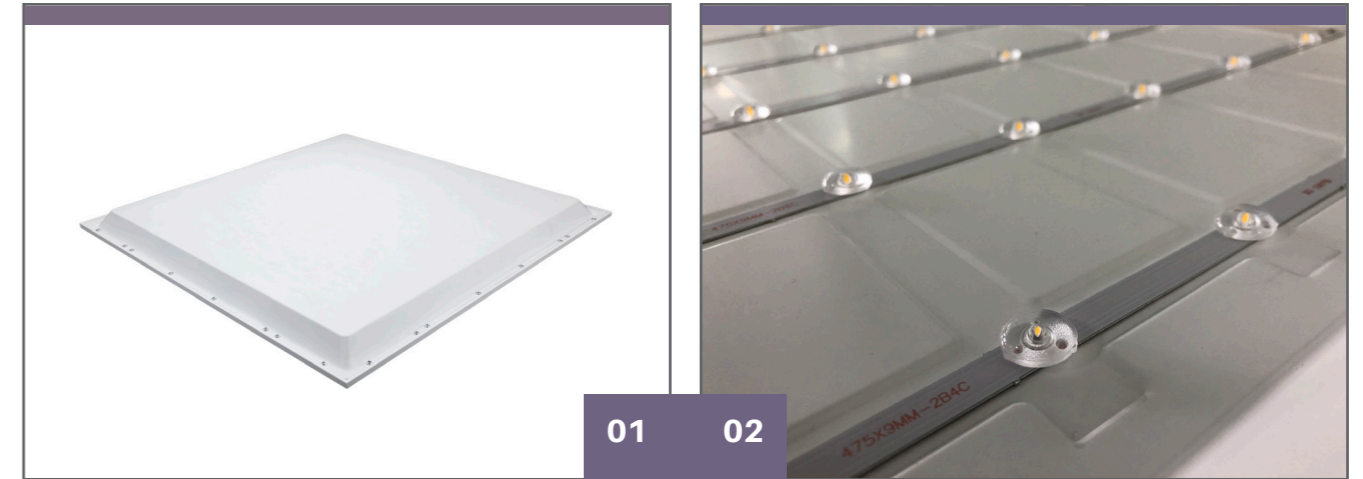
100/120lm/w  
PMMA LGP  
Standard diffuser  
Flicker free driver  
Life hours >65,000 Hrs L70B10  
UGR<21

LM79 test report & ISTM21 test report  
5 year warranty  
1-10v or DALI dimming  
CCT: 2700K, 3000K, 4000K, 5000K, 6500K

CODE	POWER (W)	LUMEN (LM)	LM/W	DIMENSIONS (MM)
PNL66.1N/30**	30	3,000	100	595*595
PNL66.2N/30**	30	3,600	120	595*595
PNL66.1N/40**	40	4,000	100	595*595
PNL66.2N/40**	40	4,800	120	595*595
PNL123.1N/30**	30	3,000	100	1,195*295
PNL123.2N/30**	30	3,600	120	1,195*295
PNL123.1N/40**	40	3,000	100	1,195*295
PNL123.2N/40**	40	3,600	120	1,195*295
PNL126.1N/56**	56	5,600	100	1,195*595
PNL126.2N/56**	56	6,720	120	1,195*595

# LED Panel Backlit

The backlit LED panel provides the client a more economical choice for general lighting. The backlit panel uses convection to manage the heat dissipation. Available with standard or UGR<19 diffuser.



Standard or Micro prism diffuser  
Flicker free driver  
Life hours >50,000 Hrs L70B10  
LM79 test report & ISTM21 test report

1-10v or DALI dimming  
CCT : 2700K, 3000K, 4000K, 5000K, 6500K

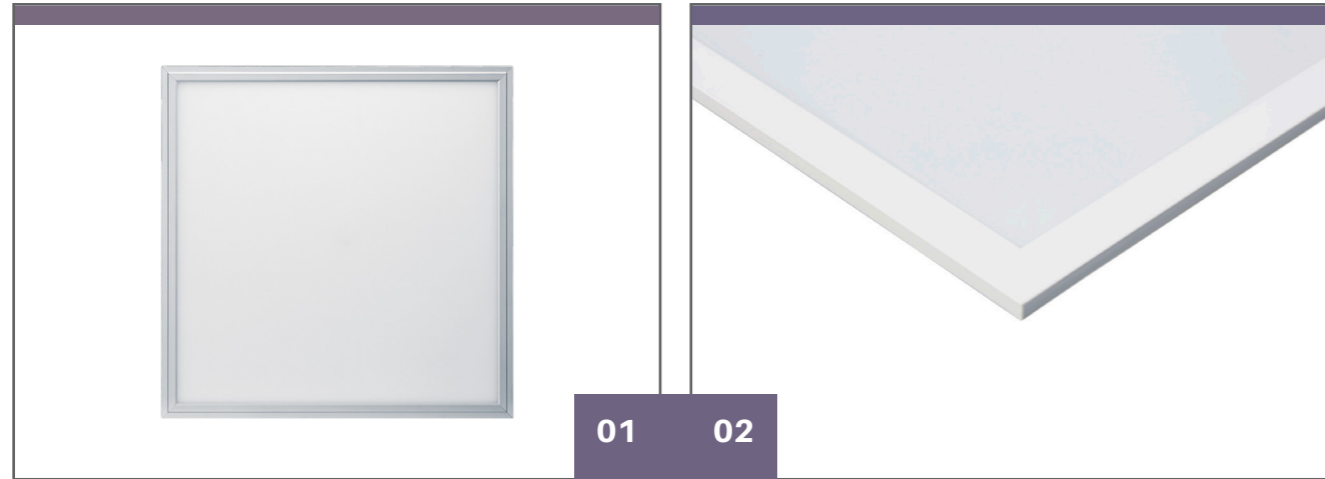
CODE	POWER (W)	LUMEN (LM)	LM/W	DIMENSIONS (MM)
PNB66.1N/36**	36	3,600	100	595*595
PNB66.6N/20**	20	3,200	160	595*595
PNB66.8N/20**	20	3,600	180	595*595
PNB123.1N/36**	36	3,600	100	1,195*595
PNB126.1N/56**	60	6,000	100	1,195*595
PNB126.6N/56**	40	6,400	100	1,195*595
PNB126.8N/56**	40	7,200	180	1,195*595





# LED Panel Medical Cyanosis COI<3,3

The Cyanosis medical grade LED panel lights are designed specifically to allow for the most accurate and true colour rendering possible allowing for accurate and fast detection of colour specific symptoms in patients.



90lm/w  
PMMA LGP  
COI: <2,2  
CRI >95  
R9 > 95  
UGR < 19  
Micro prism diffuser  
Flicker free driver

Life hours >50,000 Hrs L70B10  
LM79 test report & ISTM21 test report  
5 year warranty  
1-10v or DALI dimming  
4000K

CODE	POWER (W)	LUMEN(LM)	LM/W	DIMENSIONS (MM)
PHM66N/5040	50	4,250	85	595*595
PHM123N/5040	50	4,250	85	1,195*295
PHM126N/8040	80	7,600	85	1,195*595

Clinical observation has always been an important part of medical diagnosis. One aspect of clinical observation is the detection of Cyanosis which occurs when oxygen levels in the blood are dangerously depleted, it is indicated by a blueish discolouration in the skin. Cyanosis is associated with cold temperatures, heart failure, lung diseases and smothering. It is seen in infants at birth as a result of heart defects, respiratory distress syndrome, or lung and breathing problems. So it is important for medical staff to be able to reliably detect the onset of cyanosis by visual observation.

For cyanosis observation, medical lighting should have an appropriate power output in the red part of the visible spectrum, if the output is too low a patients skin colour may appear darker and he/she may be diagnosed as cyanosed when this is not the case. Conversely, if the output is too high it may mask the cyanosis and it may not be diagnosed when it is present. For a light to be COI (Cyanosis Observation Index) compliant, it needs to have a COI index of <3.3 as tested against AS 1680.2.5. These medical grade lights have undergone thorough lab testing to ensure they meet the standards required within the industry. All of our reports are available alongside the associated product so that you can make an informed decision for your lighting needs.

# LED Panel Backlit Medical COI<3,3

The backlit medical COI LED panel provides the client a more economical choice for lighting in medical environments. The backlit panel uses convection to manage the heat dissipation. Available with standard or UGR<19 diffuser. Best suited for doctors consulting rooms and general hospital ward lighting.



95lm/W  
Standard or Micro prism diffuser  
Flicker free driver  
Life hours >50,000 Hrs L70B10  
LM79 test report & ISTM21 test report

1-10v or DALI dimming  
CCT:4000K

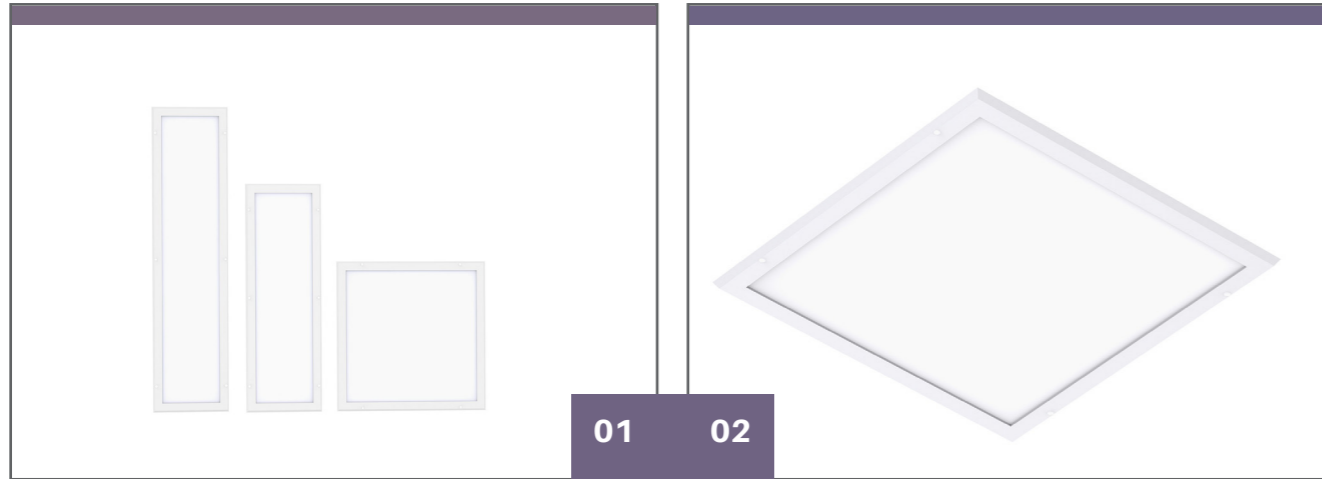
CODE	POWER (W)	LUMEN (LM)	LM/W	DIMENSIONS (MM)
PBM66N/3640	40	3,800	95	595*595
PBM126N/6040	60	5,700	95	1,195*595





# LED Panel Anti Bacterial Medical

This is a medical antibacterial clean panel. It is manufactured with high quality AL6063 aluminium and uses the high lumen SMD4014, which has a great heat dissipation to ensure a long lifespan. CRI90 light source ensures a better colour rendering, R9 >50 which ensures a richer colour saturation of the illuminated subject.

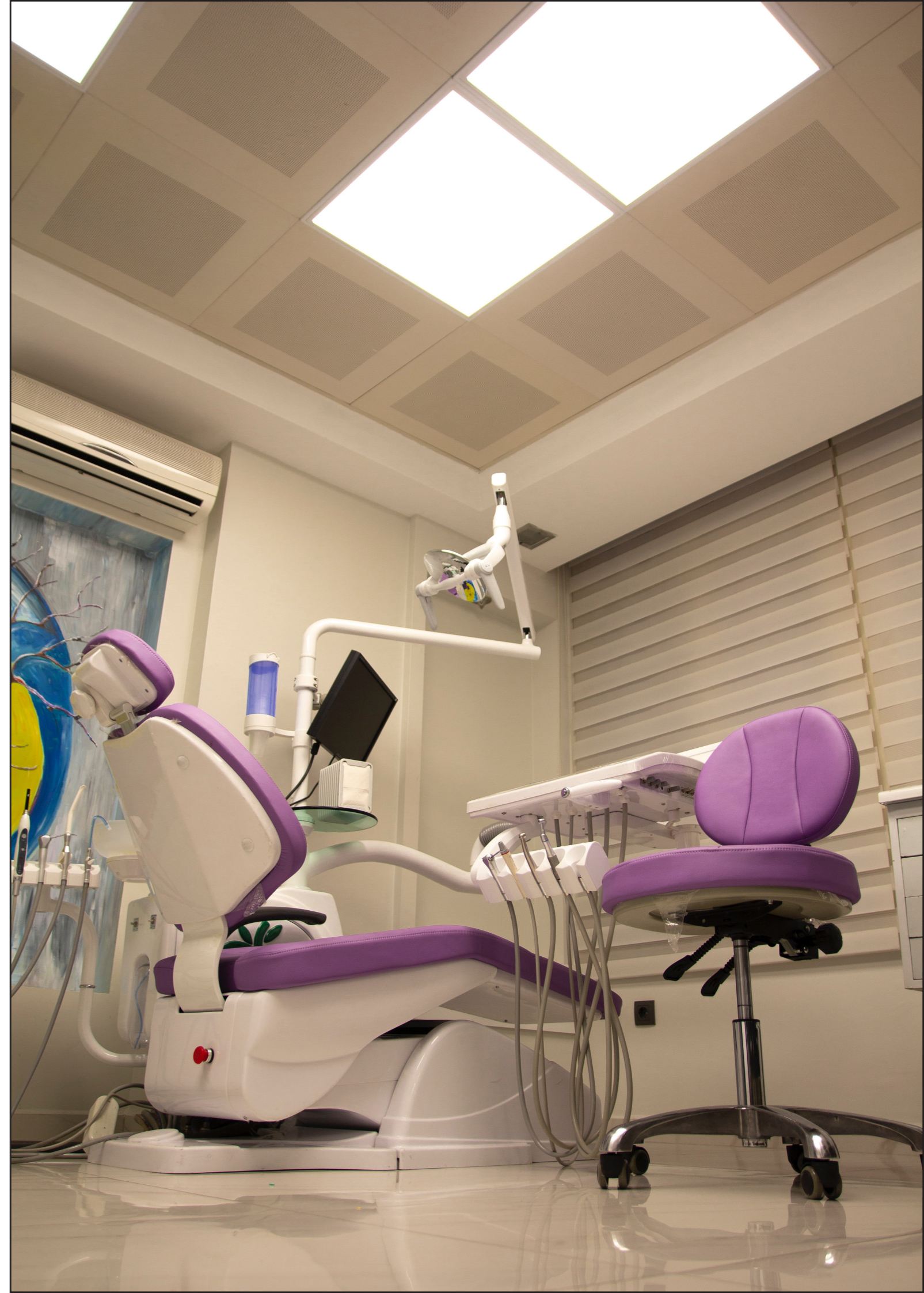


The diffuser is made of antibacterial material to prevent residual bacteria on the fitting  
SDCM<3 for the luminaires  
CRI>90, R9>50  
Wide beam angle 120°  
PMMA Light Guide  
LM79 test report & ISTM21 test report

High lumen efficiency, 100lm/W  
External flicker free driver  
Dimming method: Triac dim, 0-10V, DALI.  
Installation method: Surface mounted (With screws)

CODE	POWER (W)	LUMEN (LM)	LM/W	DIMENSIONS (MM)
PAM66N/40**	40	3,440 ~ 4,200	85 ~ 106	600*600*13
PAM123N/40**	40	3,440 ~ 4,200	85 ~ 106	1,200*300*13
PAM126N/40**	60	5,440 ~ 6,200	85 ~ 106	1,195*595*13

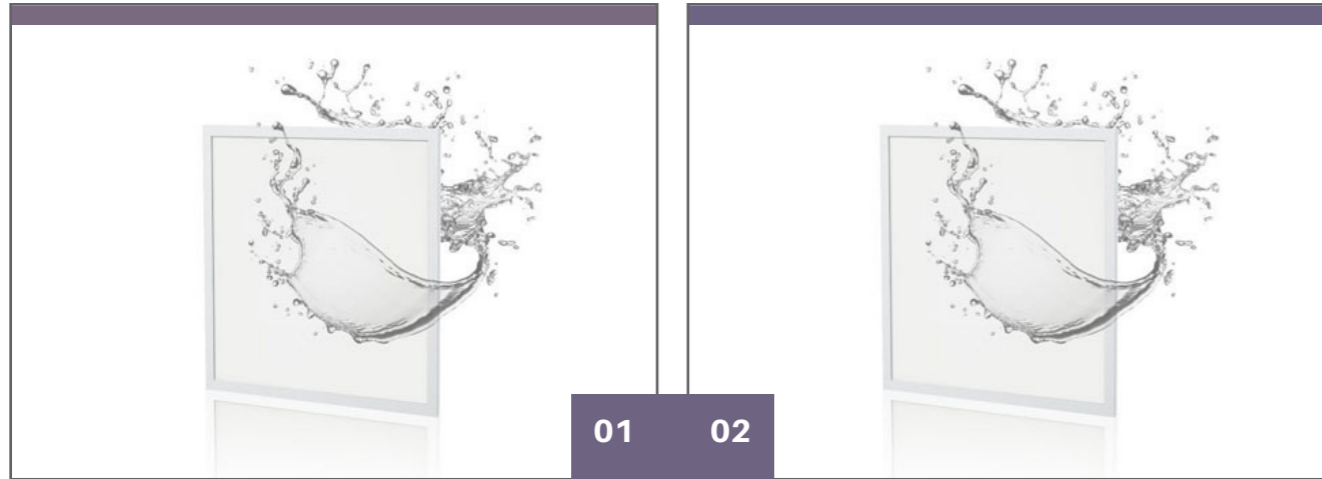
The fitting has a PMMA light guide plate, which has the advantages of anti yellowing, high optical conversion efficiency, uniform luminous effect and can effectively relieve eye fatigue. The fitting is manufactured with high strength materials. The diffuser is made of PS antibacterial material, which can effectively prevent residual bacteria on the fitting surface.





# LED Panel IP65

When working in areas where intensive cleaning is required, the IP65 LED panel is a perfect option for consideration. Perfect for use in laboratories, medical or chemical environments.



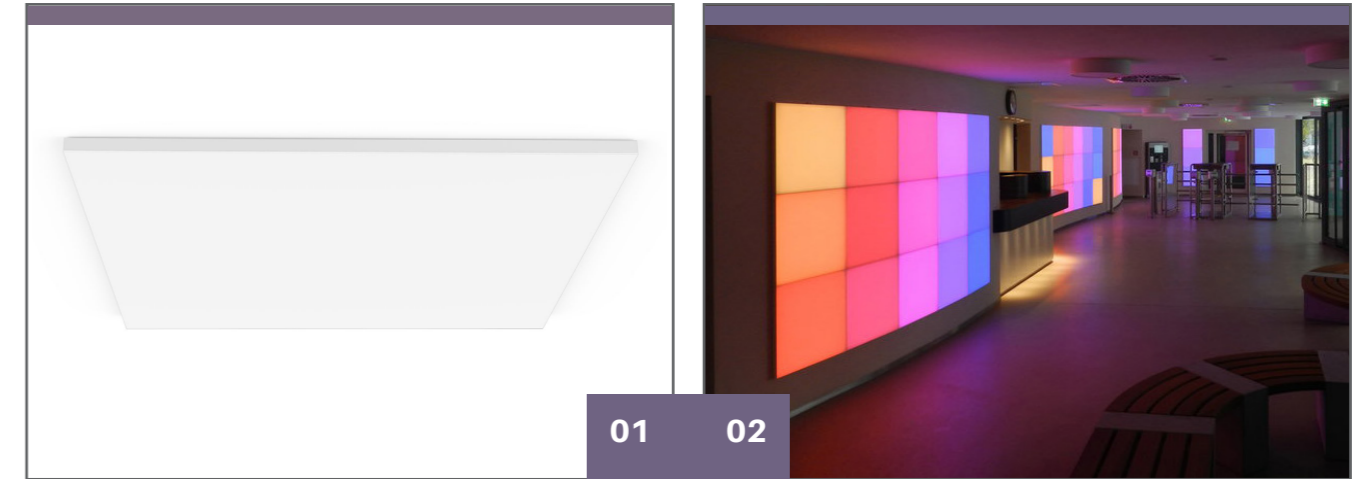
100 / 120lm/W  
IP65  
PMMA LGP  
Standard or Micro prism diffuser  
Flicker free driver  
Life hours >50,000 Hrs L70B10

LM79 test report & ISTM21 test report  
5 year warranty  
1-10v or DALI dimming  
2700K, 3000K, 4000K 5000K, 6500K

CODE	POWER (W)	LUMEN (LM)	LM/W	DIMENSIONS (MM)
PNL66.1N/40**65	40	4,000	100	595*595
PNL123.1N/40**65	40	4,000	100	1,295*295
PNL126.1N/56**65	56	5,600	100	1,295*595

# LED Panel Frameless

The frameless LED panel is a perfect solution for creating a seamless light ceiling or wall. The fittings can be spliced together to create a large LED light surface. The frameless panel can be supplied in RGB or monochrome CCT.



100 / 120Lm/W  
PMMA LGP  
Standard diffuser  
Linkable to adjoining LED panel  
Flicker free driver  
Life hours >50,000 Hrs L70B10

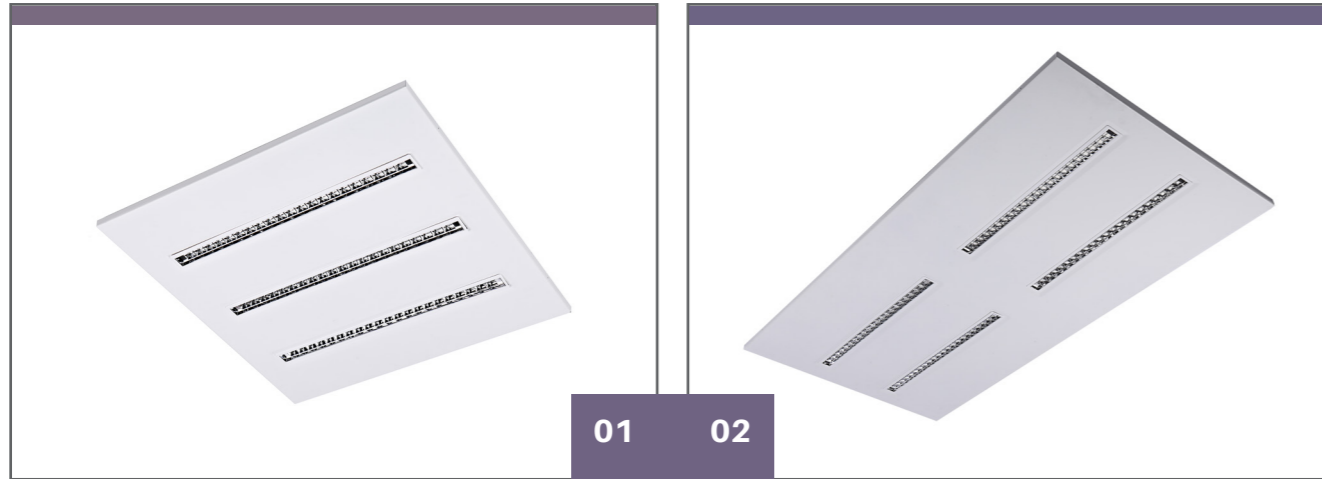
LM79 test report & ISTM21 test report  
5 year warranty  
1-10v or DALI dimming  
CCT: 2700K, 3000K, 4000K 5000K, 6500K / RGB

CODE	POWER (W)	LUMEN (LM)	LM/W	DIMENSIONS (MM)
PHF66.1N/30**	40	4,000	100	595*595
PHF66.2N/30**	40	4,800	120	595*595



# Corvis LED Panel Modular Linear

The Corvis LED panel is a modular panel with an exceptional 150lm/w delivered light while achieving a UGR <16. The linear modules can be replaced providing the client cost effective maintenance.



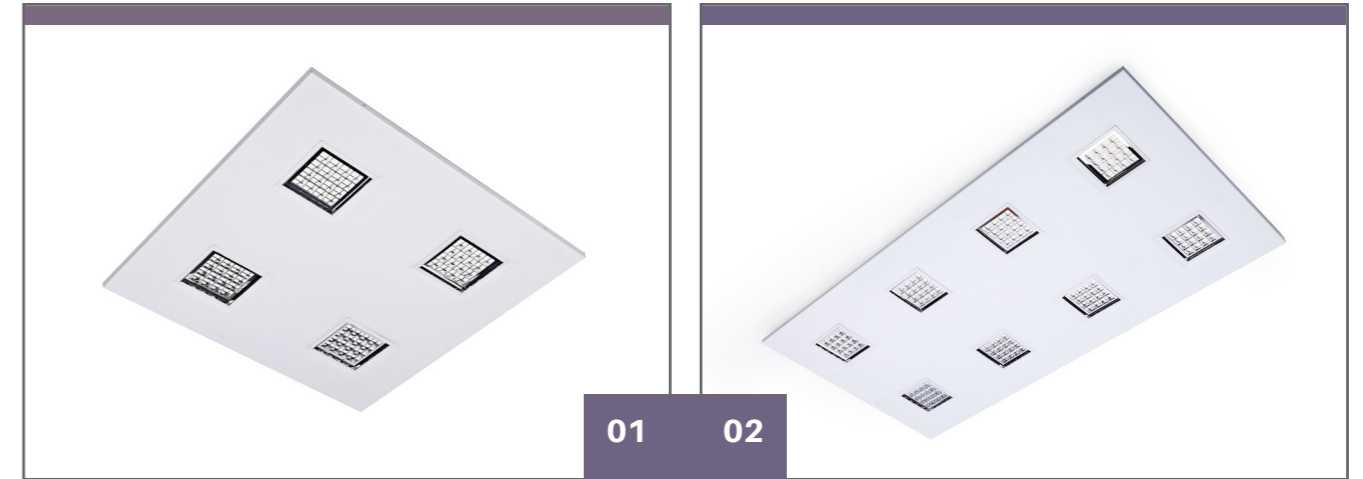
130 / 150lm/w options  
Replaceable / Modular LED  
UGR <16  
Flicker free driver  
Life hours >50,000 Hrs L70B10

LM79 test report & ISTM21 test report  
5 year warranty  
1-10v or DALI dimming  
CCT: 2700K, 3000K, 4000K 5000K, 6500K

CODE	POWER(W)	LUMEN (LM)	LM/W	DIMENSIONS (MM)
P2LM66.2N/30**	30	3,600	120	595*595
P2LM66.5N/30**	30	4,500	150	595*595
P3LM66.2N/30**	40	4,800	120	595*595
P3LM66.5N/30**	40	6,000	150	595*595
P2LM123.2N/30**	30	3,600	120	1,195*295
P2LM123.5N/30**	30	4,500	150	1,195*295
P4LM126.2N/60**	60	7,200	120	1,195*595
P4LM126.5N/60**	60	9,000	150	1,195*595
P4LM150.2N/75**	75	9,000	120	1,495*595
P4LM150.5N/75**	75	11,250	150	1,495*595

# Corvis LED Panel Modular Square

The Corvis LED panel is a modular panel with an exceptional 150lm/w delivered light while achieving a UGR <16. The square modules can be replaced providing the client cost effective maintenance.



130 / 150lm/w options  
Modular square LED  
UGR <16  
Flicker free driver  
Life hours >50,000 Hrs L70B10

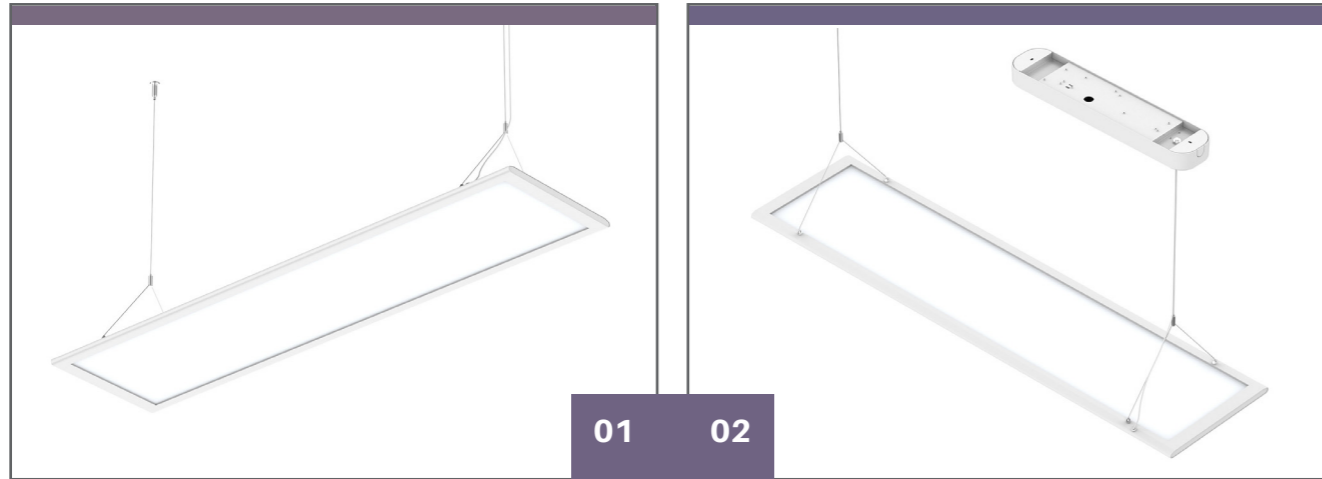
LM79 test report & ISTM21 test report  
5 year warranty  
1-10v or DALI dimming  
CCT: 2700K, 3000K, 4000K 5000K, 6500K

CODE	POWER (W)	LUMEN (LM)	LM/W	DIMENSIONS (MM)
P4SM66.2N/40**	40	4,800	120	595*595
P4SM66.5N/40**	40	6,000	150	595*595
P4SM123.2N/40**	40	4,800	120	1,195*295
P4SM123.5N/40**	40	6,000	150	1,195*295
P8SM126.2N/80**	80	8,400	120	1,195*595
P8SM126.5N/80**	80	12,000	150	1,195*595



# LED Panel Up/Down

This panel light is an up & down lighting design, without any screws making it aesthetically pleasing. The panel is manufactured as an anti-glare UGR<19. The magnetic mounting box also saves time for installation.



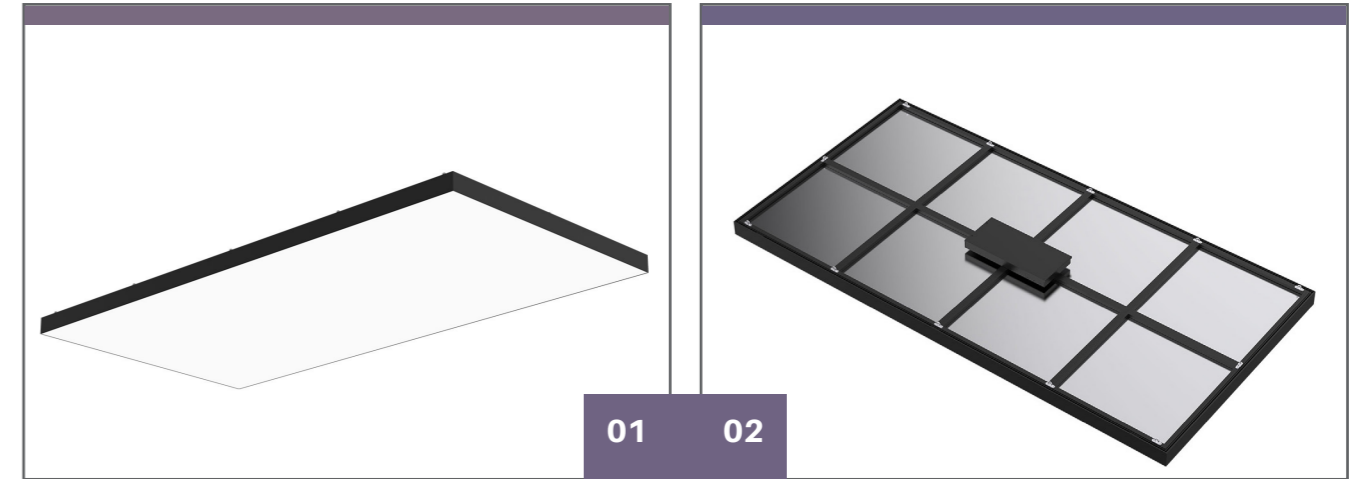
Up / Down lighting design  
3:7 Light distribution  
Anti glare  
Magnetic mounting box  
85lm/w  
Flicker free driver  
Life hours >50,000 Hrs L70B10  
LM79 test report & ISTM21 test report

Screwless design with better looking.  
Triac dim and DALI dimming options  
Installation: Pendant  
Product Finish: White  
CCT: 2700K, 3000K, 4000K 5000K, 6500K

CODE	POWER (W)	LUMEN (LM)	LM/W	DIMENSIONS (MM)
PUD123.1N/40**	40	4,200	100	1,200*300

# LED Panel Persei Extra Large

The Persei LED panel light is a large size design with simple and elegant appearance, seamless splicing and RA>90. The Persei LED panel has a uniform light output with 120° wide beam angle. The lighting surface is manufactured from fireproof B1 grade soft film. The backboard is made from 0.5mm thick aluminium material which provides strength, quality and great thermal management.



Direct lighting with large size  
The lighting surface has fireproof B1 grade soft film  
80LM/W  
CRI 90  
External flicker free driver  
0-10V, DALI  
UGR<19  
Life hours >50,000 Hrs

PMMA Lens  
LM79 test report & ISTM21 test report  
Product Finishing (Base): Black  
Suspended or surface mounted  
CCT: 2700K, 3000K, 4000K 5000K, 5700K

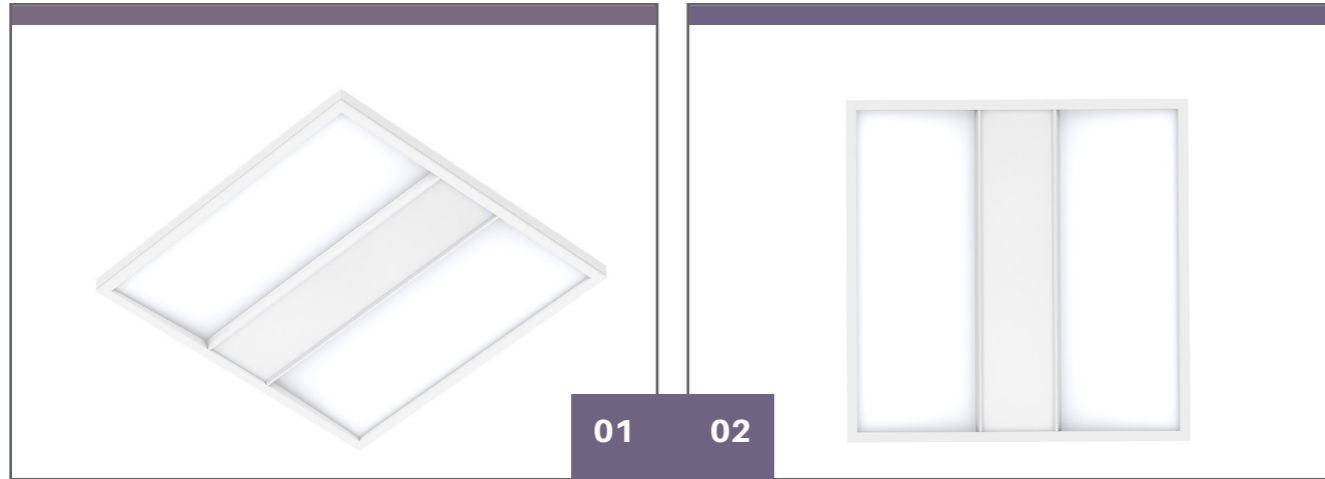
CODE	POWER (W)	LUMEN (LM)	LM/W	DIMENSIONS (MM)
PNL1212N/60**	60	4,800	80	1,200*1,200*110
PNL1515N/80**	80	6,400	80	1,500*1,500*110
PNL1224N/120**	120	9,600	80	1,200*2,400*110
PNL1230N/180**	180	14,400	80	1,200*3,000*110
PNL1530N/240**	240	19,200	80	1,500*3,000*110





# LED Troffer Panel

The LED troffer backlight panel provides a stylish low glare option for office and general lighting applications. With greater than 100lm/w the troffer panel is a perfect combination of style and performance.



100lm/w  
 UGR<19  
 Flicker free driver  
 Life hours >50,000 Hrs L70B10  
 LM79 test report & ISTM21 test report

3 year warranty  
 1-10v or DALI dimming  
 CCT: 3000K,4000K, 5000K, 5700K  
 CCT adjustable (3000K +4000K +5000K) with side slide switch

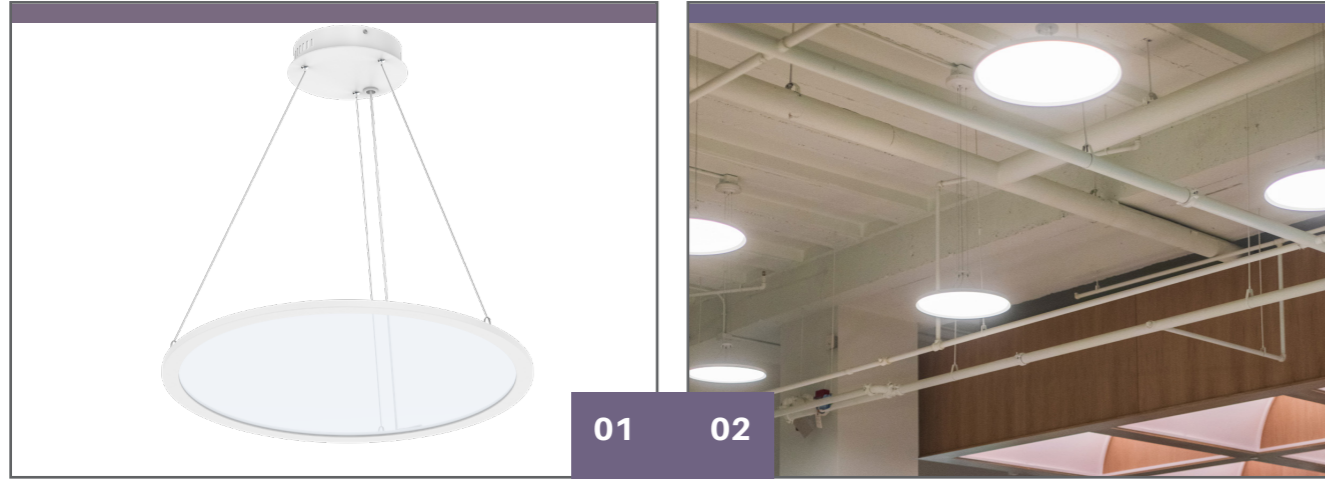
CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)
PTB66.1N/36**	36	3,100 ~ 3,700	595*595*49
PTB123.1N/36**	36	3,100 ~ 3,700	1,195*295*49
PTB126.1N/60**	60	5,460 ~ 6,500	1,195*595*49





# LED Panel Round

The round LED panel provides a unique option for lighting reception areas, canteens or meeting rooms to provide not only functional lighting, but also a space that is aesthetically attractive and modern.



85lm/w  
Flicker free driver  
Life hours >50,000 Hrs L70B10  
LM79 test report & ISTM21 test report

5 year warranty  
1-10v or DALI dimming  
CCT: 3000K,4000K, 5000K, 5700K

CODE	POWER (W)	LUMEN (LM)	LM/W	DIMENSIONS (MM)
PNLR30N/18**	18	1,530	85	Ø300*12
PNLR40N/25**	25	2,125	85	Ø400*12
PNLR40N/35**	35	2,975	85	Ø400*12
PNLR50N/30**	30	2,550	85	Ø500*12
PNLR50N/35**	35	2,975	85	Ø500*12
PNLR60N/35**	35	2,975	85	Ø600*12
PNLR60N/45**	45	3,825	85	Ø600*12

# LED Panel Accessories

This surface mount ceiling frame is perfect to mount most LED panel lights in locations without a suspended ceiling grid (e.g. Plasterboard ceilings).  
Surface mount kits are ideal for offices, schools, hospitals etc, where recessed mounting is not possible.



The kit screws onto the ceiling. The panel is then slid in and the remaining side then screws on to complete the installation  
The frame has a depth of 50mm to accommodate the LED driver / emergency pack (these should be placed in the centre of the panel to allow good heat dissipation)  
Suspension cables are perfect to mount most LED panel lights in locations without recessed ceiling grid (e.g. Plasterboard ceilings)

Suspension mount kits are ideal for offices, schools, hospitals where recessed mounting is not possible

Available for:  
595mm \* 595mm / 1,195mm \* 595mm / 1,195mm \* 295mm

CODE	DIMENSIONS (MM)
PNL66SKIT/F	595*595
PNL123SKIT/F	1,195*295
PNL126SKIT/F	1,195*595

