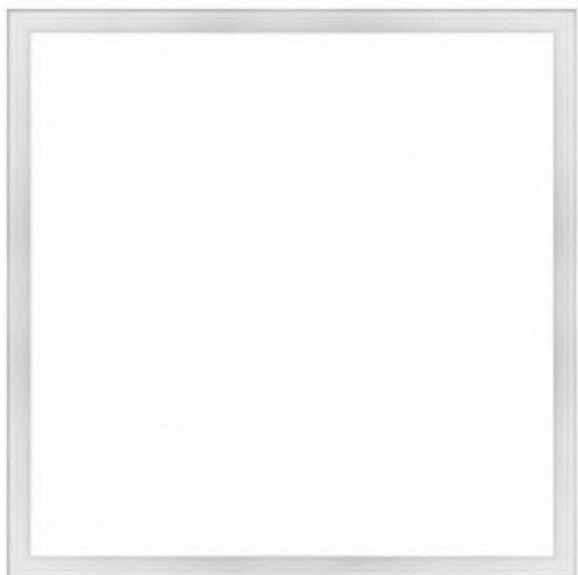


LED CLASSIC Panel Light



Features:

- Aluminum frame with slim size offering an elegant appearance + good heat dissipation
- High efficiency and constant current driver
- Even and uniform light distribution
- Energy saving, lower maintenance cost
- In different sizes & wattages available
- EPISTAR LED module
- Dimmable versions also available

Applications:

- Offices/Conference rooms
- Hotels
- Schools/Universities
- Hospitals
- Hallways
- Shopping Malls

General Characteristics:

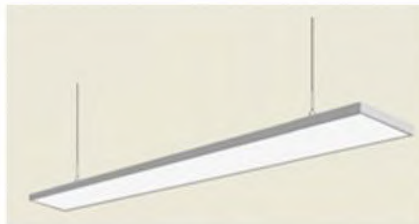
PRODUCT CODE	POWER (W)	VOLTAGE	Efficiency	CCT (K)	CRI	PRODUCT DIMENSION	PF	BEAM ANGLE
TL 300x600	24	110-240V/50-60Hz	90-100lm/W	3000/4000/6500	80	295x595x12mm	>0.90	120
TL 600x600	40	110-240V/50-60Hz	90-100lm/W	3000/4000/6500	80	595x595x12mm	>0.90	120
TL 300x1200	40	110-240V/50-60Hz	90-100lm/W	3000/4000/6500	80	295x1195x12mm	>0.90	120
TL 600x1200	60	110-240V/50-60Hz	90-100lm/W	3000/4000/6500	80	595x1195x12mm	>0.90	120

Installation Methods:

Recessed



Suspended



Surface Mount



Frame Types:

Step frame



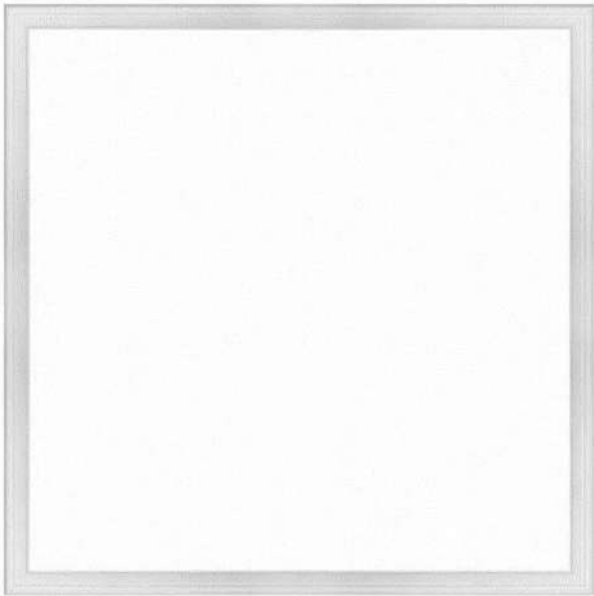
Flat frame



Remarks:

- 10% +/- tolerance: wattage, CCT, lumen output.
- Operating temperature: -20-45°C.
- IP40.
- On-Off, DALI or 1-10V available.
- With more efficiency also available upon request.

LED CCT TUNABLE Panel Light



Features:

- Aluminum frame with slim size offering an elegant appearance + good heat dissipation
- High efficiency and constant current driver PF0.95
- Even and uniform light distribution
- Energy saving, lower maintenance cost
- CCT adjustable from 3000K-6000K + DIMMABLE

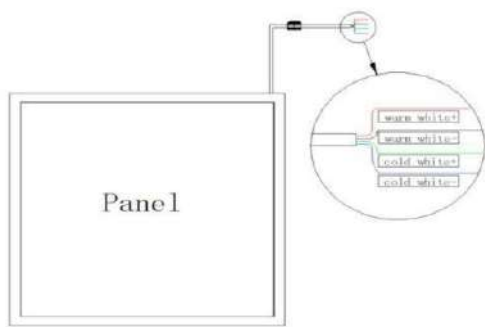
Applications:

- Offices/Conference rooms
- Hotels
- Schools/Universities
- Hospitals
- Hallways
- Shopping Malls

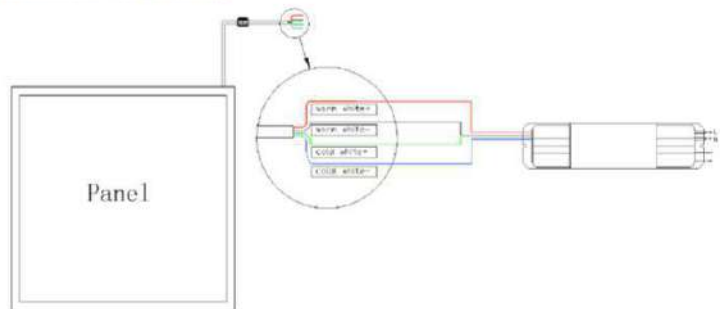
General Characteristics:

PRODUCT CODE	POWER (W)	VOLTAGE	Efficiency	CCT (K)	CRI	PRODUCT DIMENSION	PF	BEAM ANGLE
TLT600-40	40	110-240V/50-60Hz	>85lm/W	3000K-6000K	80	595x595x10.5mm	>0.95	120
TLT600-48	48	110-240V/50-60Hz	>85lm/W	3000K-6000K	80	595x595x10.5mm	>0.95	120
TLT1200-40	40	110-240V/50-60Hz	>85lm/W	3000K-6000K	80	1195x295x10.5mm	>0.95	120
TLT1200-48	48	110-240V/50-60Hz	>85lm/W	3000K-6000K	80	1195x295x10.5mm	>0.95	120

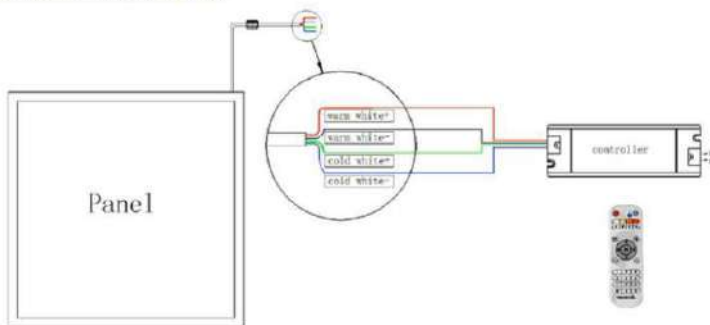
Cable Connections:



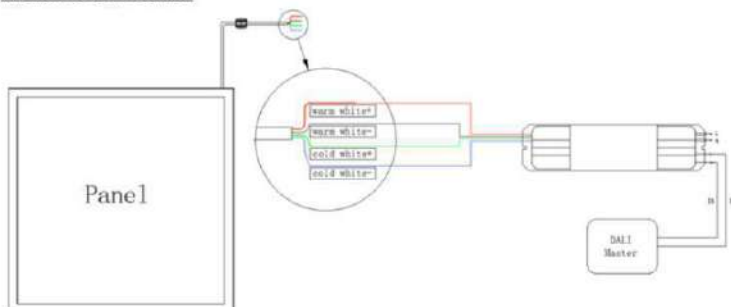
Method A: 1-10V Control



Method B: Remote Control



Method C: DALI Control

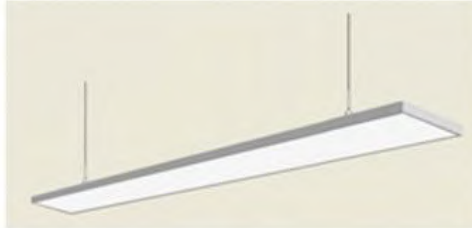


Installation Methods:

Recessed



Suspended



Surface Mount



Frame Types:

Step frame



Flat frame

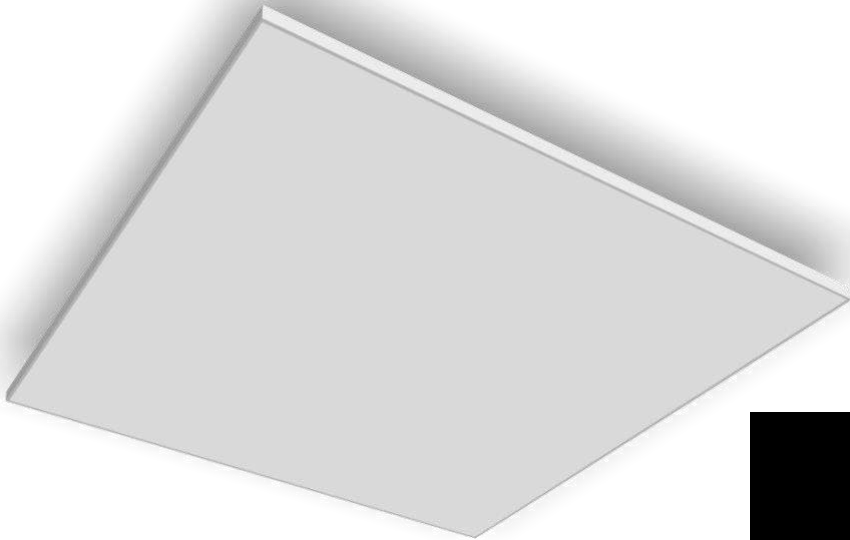


Remarks:

- 10% +/- tolerance: wattage, CCT, lumen output.
- Operating temperature: -20-45°C.
- IP40.
- With more efficiency also available upon request.

Photos, description & details are subject to change without previous notice.

LED Narrow Frame Panel Light



Features:

- Thin, neat & attractive profile with only 4mm edge
- High efficiency with 90-120lm/W
- Flexible to assemble & install in different ways
- 80% energy saving
- PF>0.95
- IP40
- Electrical class II, 88% power supply efficiency
- Good heat dissipation & elegant appearance
- Even light distribution offering a soft & smooth light
- Also available in Triac, 1-10V + DALI dimming controls
- 50.000 hrs life-span
- Aluminum + PMMA material

Applications:

- Offices
- Conference rooms
- Hotels
- Schools/Universities
- Hospitals
- Hallways
- Shopping Malls

General Characteristics:

PRODUCT CODE	POWER (W)	VOLTAGE	Lumen Output	CCT (K)	CRI	PRODUCT DIMENSION	Beam Angle
TLNF300-40	40	110-240V/50-60Hz	4000	3000K-6000K	80	295x295x13mm	120°
TLNF600-40	40	110-240V/50-60Hz	4000	3000K-6000K	80	595x595x13mm	120°
TLNF620-40	40	110-240V/50-60Hz	4000	3000K-6000K	80	620x620x13mm	120°
TLNF1200-40	40	110-240V/50-60Hz	4000	3000K-6000K	80	295x1195x13mm	120°

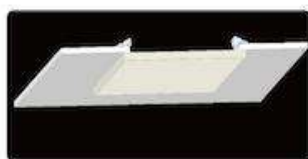
Installation Methods:

Flexible Installation Type

Method A:
Suspending & Connection



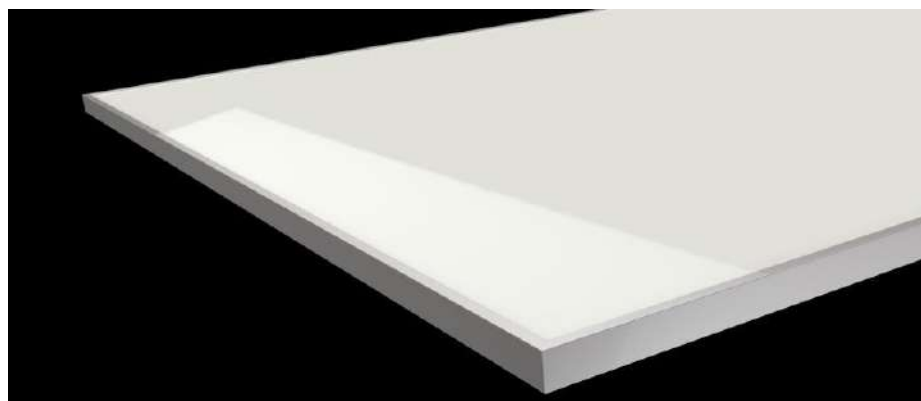
Method B:
Recess 01



Method B:
Recess 02



Method C:
Easy Tunnel Track



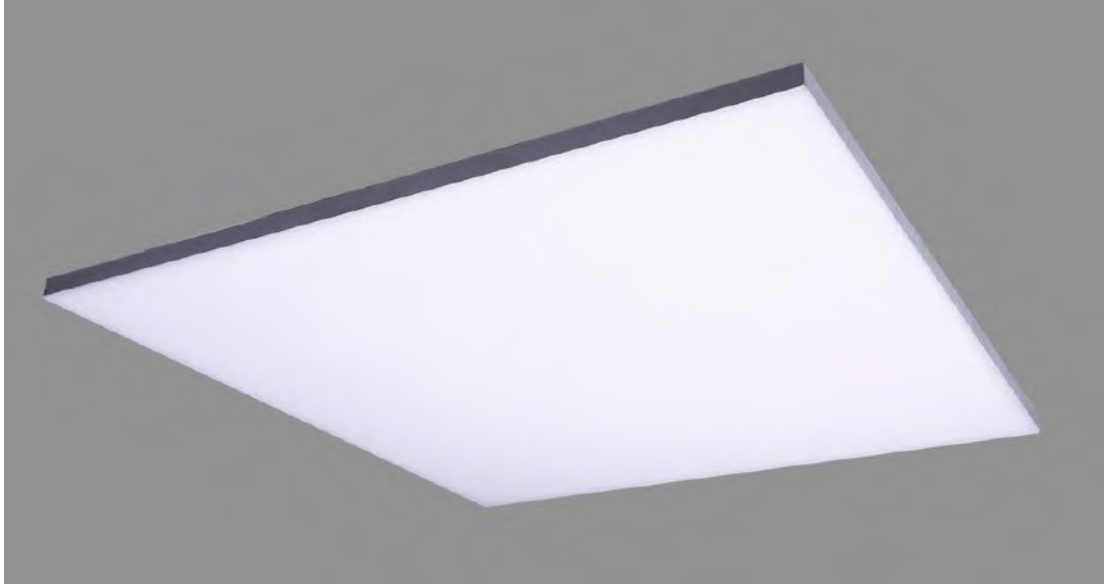


Remarks:

- 10% +/- tolerance: wattage, CCT, lumen output.
- Operating temperature: -20-45°C.
- IP40.
- On-Off, DALI or 1-10V available.
- With more efficiency also available upon request.

Photos, description & details are subject to change without previous notice.

LED FRAMELESS Panel Light



Features:

- Perfect appearance consisting of a flat, neat surface with seamless installation
- Super slim size with only 16.5mm
- High efficiency with 90-100lm/W
- 80% energy saving
- PF>0.95
- IP40
- Good heat dissipation & elegant appearance
- Even light distribution offering a soft & smooth light
- Also available in Triac, 1-10V + DALI dimming controls
- 50.000 hrs life-span
- Aluminum + PMMA material

Applications:

- Offices
- Conference rooms
- Hotels
- Schools/Universities
- Hospitals
- Hallways
- Shopping Malls

General Characteristics:

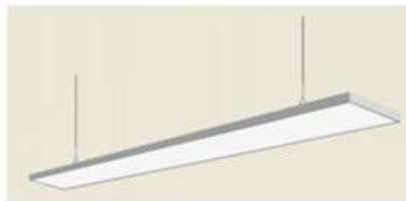
PRODUCT CODE	POWER (W)	VOLTAGE	Lumen Output	CCT (K)	CRI	PRODUCT DIMENSION	Beam Angle
TLF300-18	18	110-240V/50-60Hz	1800	3000K-6000K	80	295x295x16.4mm	120°
TLF300-40	40	110-240V/50-60Hz	4000	3000K-6000K	80	595x295x16.4mm	120°
TLF600-40	40	110-240V/50-60Hz	4000	3000K-6000K	80	595x595x16.4mm	120°
TLF620-40	40	110-240V/50-60Hz	4000	3000K-6000K	80	620x620x16.4mm	120°

Installation Methods:

Recessed



Suspended



Surface Mount



Remarks:

- 10% +/- tolerance: wattage, CCT, lumen output.
- Operating temperature: -20-45°C.
- IP40.
- On-Off, DALI or 1-10V available.
- With more efficiency also available upon request.

Photos, description & details are subject to change without previous notice.

LED CLEAR Panel Light



Features:

- Uniform & soft light
- Elegant transparent design
- Strong aluminum body & transparent cover
- High luminous flux, >100lm/W & 120lm/W
- Constant current power supply, PF>0.95
- More than 80% light transmittance
- Up & down lighting – 40% up, 60% down
- UGR<19 or UGR<22
- Helvar sensor built in optional
- Triac, 1-10V available upon request
- Good heat dissipation
- White or black color

Applications:

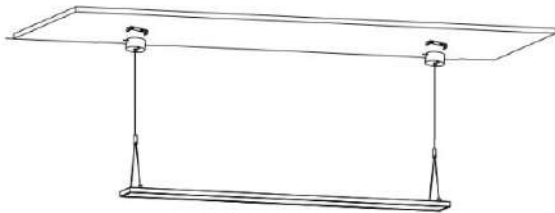
- Offices/Conference rooms
- Hotels
- Schools/Universities
- Hospitals
- Hallways
- Shopping Malls

General Characteristics:

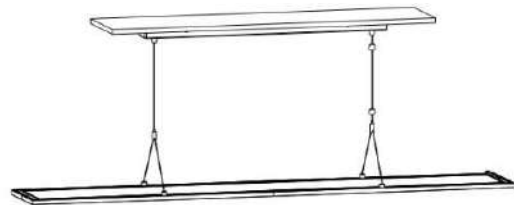
PRODUCT CODE	POWER (W)	VOLTAGE	Lumen Output	CCT (K)	CRI	PRODUCT DIMENSION	PF	BEAM ANGLE
TLC1200-36	36	110-240V/50-60Hz	3600	3000K-6000K	80	295x1195x17.5mm	>0.95	120
TLC1500-45	45	110-240V/50-60Hz	4500	3000K-6000K	80	295x1495x17.5mm	>0.95	120
TLC1200-36	36	110-240V/50-60Hz	4320	3000K-6000K	80	295x1195x17.5mm	>0.95	120
TLC1500-45	45	110-240V/50-60Hz	5400	3000K-6000K	80	295x1495x17.5mm	>0.95	120

Installation Method:

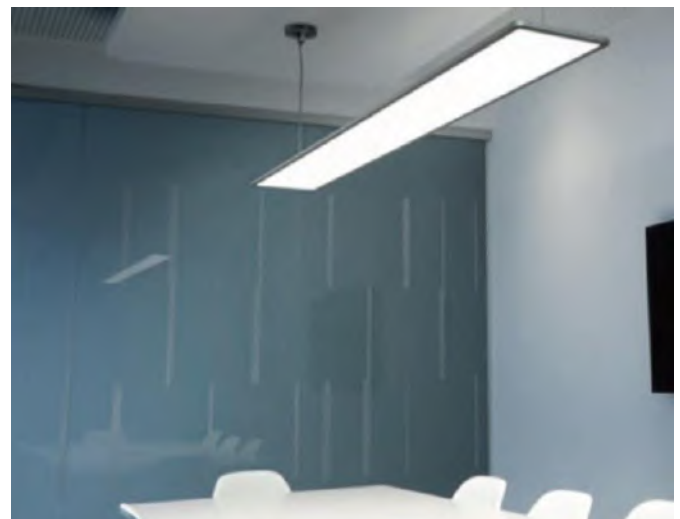
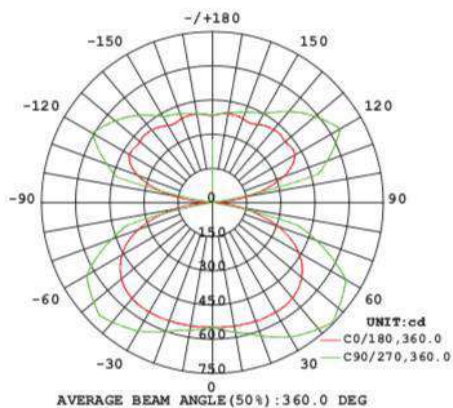
Suspension + Base



Suspension + Driver Box



Photometric Data:



Remarks:

- 10% +/- tolerance: wattage, CCT, lumen output.
- Operating temperature: -20-45°C.
- IP40.
- On-Off, DALI or 1-10V available.
- With more efficiency also available upon request.

Photos, description & details are subject to change without previous notice.

3D FRAMELESS LED Linear Panel



Features:

- Elegant linear light offering a uniform & soft light
- Using high lumen LED modules and efficient driver
- Seamless installation to be used as recessed, suspended, track or surface mounting
- Frameless effect
- Easy to expand and install with different lengths
- Up to 100lm/W
- Constant current power supply, PF>0.95
- Triac, 1-10V, and DALI available upon request
- Good heat dissipation
- Alum. + PC

Applications:

- Offices/Conference rooms
- Hotels
- Schools/Universities
- Hospitals
- Hallways
- Shopping Malls

General Characteristics:

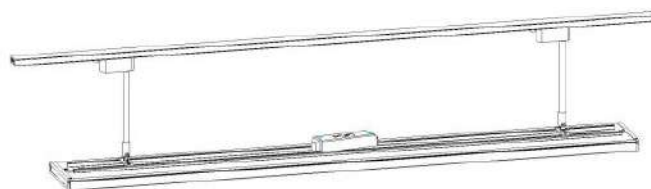
PRODUCT CODE	POWER (W)	VOLTAGE	Lumen Output	CCT (K)	CRI	PRODUCT DIMENSION	PF	BEAM ANGLE
TL3D600-36	36	110-240V/50-60Hz	2800	3000K-6000K	80	145x595x30mm	>0.95	120
TL3D1200-36	36	110-240V/50-60Hz	3600	3000K-6000K	80	145x1195x30mm	>0.95	120
TL3D1200-48	48	110-240V/50-60Hz	4800	3000K-6000K	80	145x1195x30mm	>0.95	120
TL3D1500-36	36	110-240V/50-60Hz	3600	3000K-6000K	80	145x1495x30mm	>0.95	120
TL3D1500-48	48	110-240V/50-60Hz	4800	3000K-6000K	80	145x1495x30mm	>0.95	120
TL3D1500-60	60	110-240V/50-60Hz	2800	3000K-6000K	80	145x1495x30mm	>0.95	120

Installation Method:

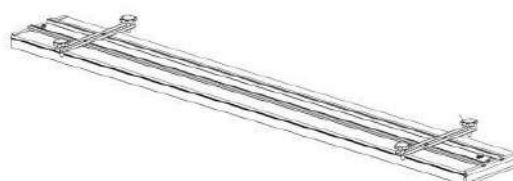
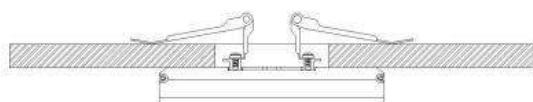
Suspension



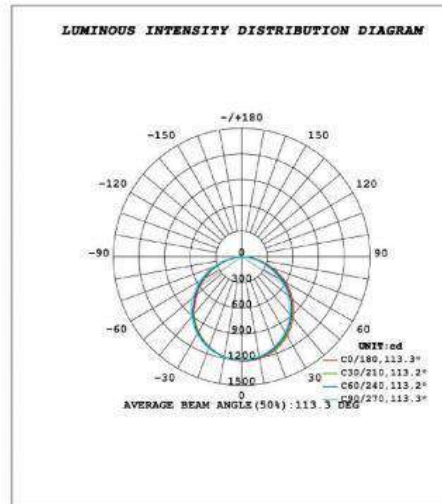
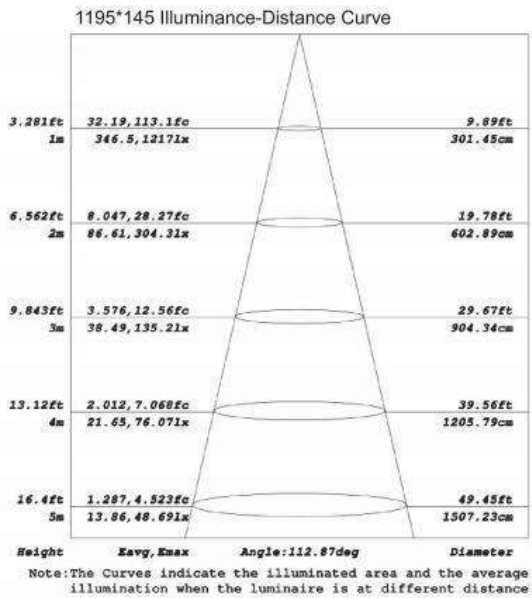
Track



Recessed with clips or screws



Photometric Data:

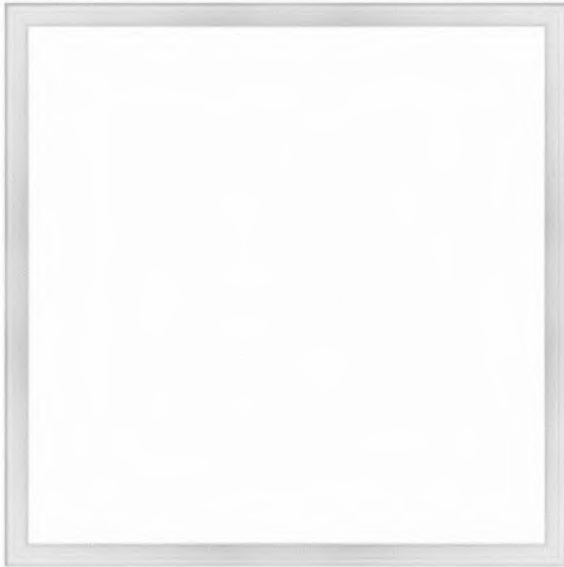


Remarks:

- 10% +/- tolerance: wattage, CCT, lumen output.
- Operating temperature: -20-45°C.
- IP40.
- On-Off, DALI or 1-10V available.
- With more efficiency also available upon request.

Photos, description & details are subject to change without previous notice.

LED BACKLITE Panel Light



Back Side



In Side

Features:

- No LGP, No yellowing
- More than 80% light transmittance
- Pure alum. Frame with white spray treatment
- Good heat dissipation & elegant appearance
- High luminous flux with >100lm/W & 120lm/W
- Constant current power supply, PF>0.95
- Even light distribution, soft & smooth light, no glare
- Also available in Triac, 1-10V + DALI dimming controls
- 30.000 hrs lifespan

Applications:

- Offices/Conference rooms
- Hotels
- Schools/Universities
- Hospitals
- Hallways
- Shopping Malls



General Characteristics:

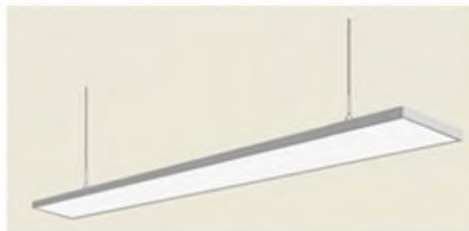
PRODUCT CODE	POWER (W)	VOLTAGE	Lumen Output	CCT (K)	CRI	PRODUCT DIMENSION	PF	BEAM ANGLE
TLB300-18	18	110-240V/50-60Hz	1500-1800	3000K-6000K	80	295x295x26mm	>0.95	120
TLB600-36	36	110-240V/50-60Hz	3600-4000	3000K-6000K	80	595x595x26mm	>0.95	120
TLB1200-36	36	110-240V/50-60Hz	3600-4000	3000K-6000K	80	295x1195x26mm	>0.95	120
TLB1200-60	60	110-240V/50-60Hz	5400-6000	3000K-6000K	80	295x1195x26mm	>0.95	120

Installation Methods:

Recessed



Suspended



Surface Mount

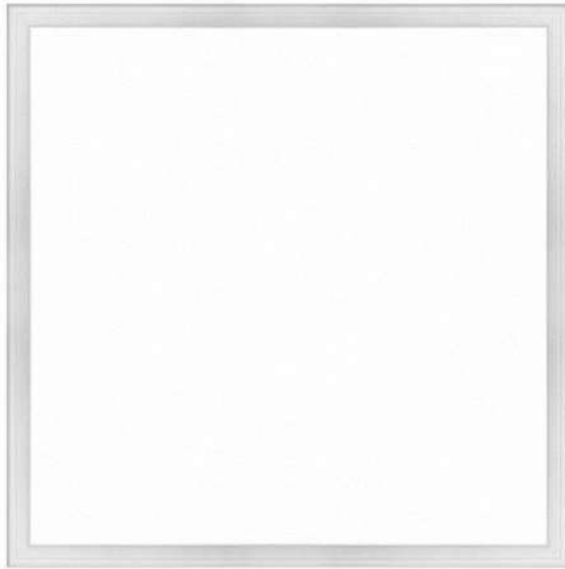


Remarks:

- 10% +/- tolerance: wattage, CCT, lumen output.
- Operating temperature: -20-45°C.
- IP40.
- On-Off, DALI or 1-10V available.
- With more efficiency also available upon request.

Photos, description & details are subject to change without previous notice.

LED BACKLITE Panel Light Economical Version



Features:

- Economical version with good & stable performance
- No LGP, No yellowing
- PC cover & aluminum housing
- More than 80% light transmittance
- Good heat dissipation
- 90-100lm/W
- Constant current power supply
- Even & soft light distribution
- 30.000 hours lifespan
- For recessed installation

Applications:

- Offices/Conference rooms
- Hotels
- Schools/Universities
- Hospitals
- Hallways
- Shopping Malls

General Characteristics:

PRODUCT CODE	POWER (W)	VOLTAGE	Lumen Output	CCT (K)	CRI	PRODUCT DIMENSION	PF	BEAM ANGLE
TLBE600-40	40	110-240V/50-60Hz	3800-4000	3000K-6000K	80	600x600x34mm*	0.9	120
TLBE1200-40	40	110-240V/50-60Hz	3800-4000	3000K-6000K	80	1200x300x34mm	0.9	120
TLBE1200-80	80	110-240V/50-60Hz	7200-8000	3000K-6000K	80	1200x600x34mm	0.9	120



Remarks:

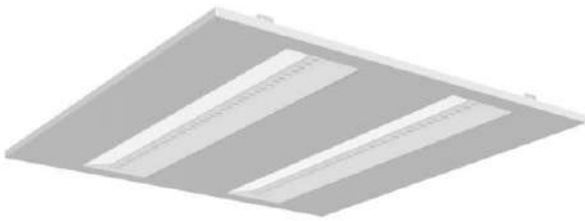
- 10% +/- tolerance: wattage, CCT, lumen output.
- Operating temperature: -20-45°C.

*Special size 605x605x34mm available upon request.

Photos, description & details are subject to change without previous notice.

LED LENS, REFLECTOR, GRILLE Panel

LENS



REFLECTOR



GRILLE



Features:

- Revolutionary reflector design, offering 110lm/W
- No LGP inside
- 5 years warranty
- Stable performance
- Low glare UGR<19
- TUV + CE constant current power supply with PF>0.95
- Class II
- Even & soft light distribution
- Available in Triac dimming, 1-10V + DALI
- IP20
- Material
 - Lens: Aluminum + PMMA + PC
 - Reflector: Fe + PC + PVC
 - Grille: Fe + PC
- 50.000 Hrs LED Life-span

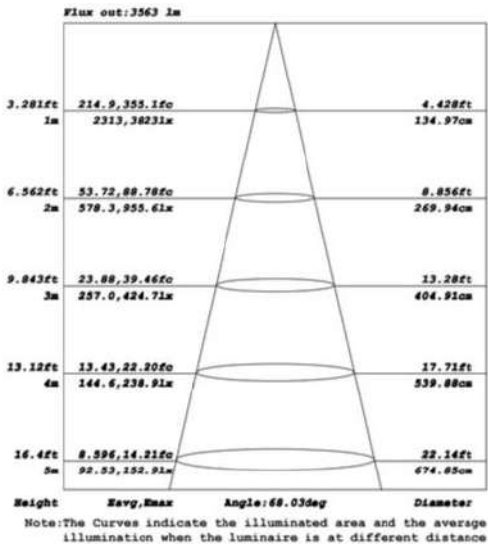
Applications:

- Offices
- Conference rooms
- Hotels
- Schools/Universities
- Hospitals
- Hallways
- Shopping Malls

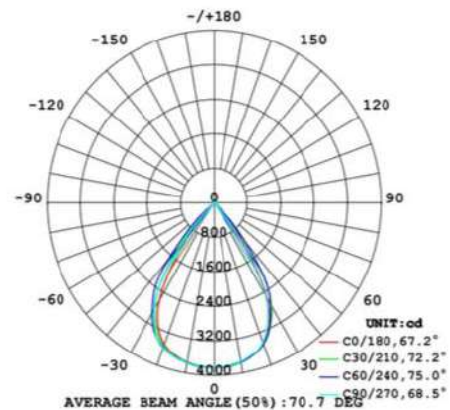
General Characteristics:

PRODUCT CODE	POWER (W)	VOLTAGE	Lumen Output	CCT (K)	CRI	PRODUCT DIMENSION	Beam Angle
TLLP-30 Lens	30W	110-240V/50-60Hz	4000	3000K-6000K	80	595*595*21.6mm	60° / 90°
TLLP-30 Lens	30W	110-240V/50-60Hz	4000	3000K-6000K	80	295*1195*21.6mm	60° / 90°
TLRP-36 Reflector	36W	110-240V/50-60Hz	4400	3000K-6000K	80	595*595*21.8mm	70°*70°
TLRP-36 Reflector	36W	110-240V/50-60Hz	4400	3000K-6000K	80	295*1195*21.8mm	70°*70°
TL6P-36 Grille	36W	110-240V/50-60Hz	4400	3000K-6000K	80	595*595*26.8mm	55°*55°/75°*75°/55°*75/12°
TL6P-36 Grille	36W	110-240V/50-60Hz	4400	3000K-6000K	80	295*1195*26.8mm	55°*55°/75°*75°/55°*75/12°

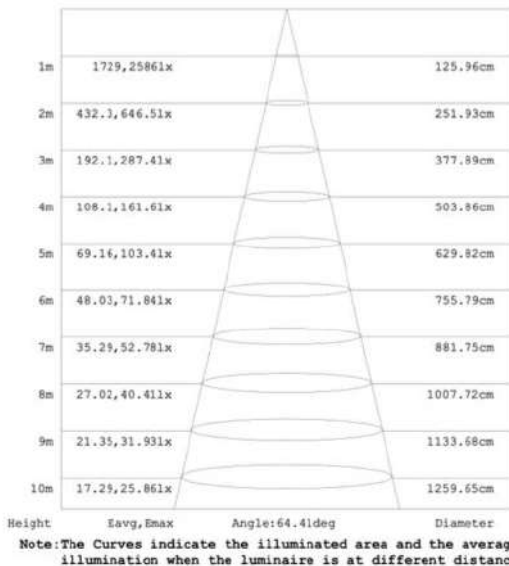
REFLECTOR



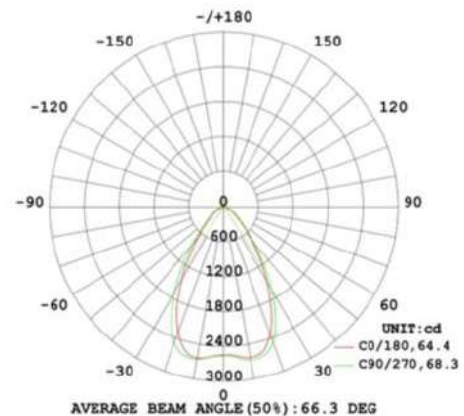
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



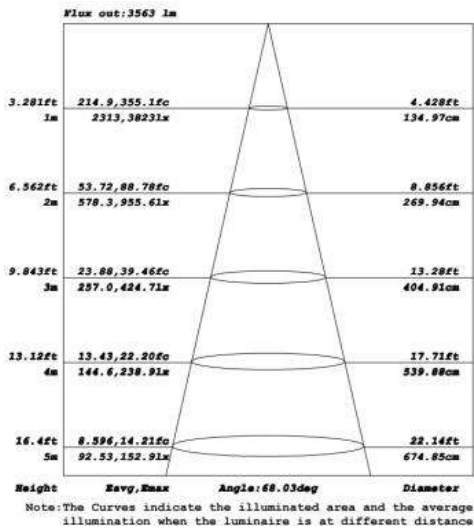
LENS



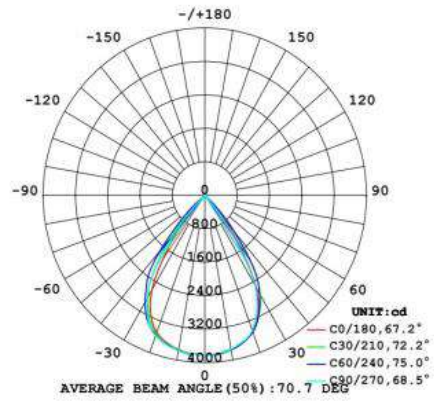
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



GRILLE



LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

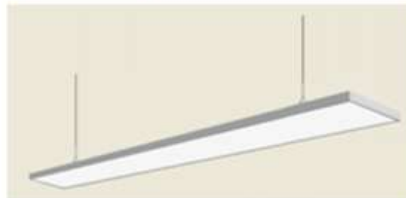


Installation Methods:

Recessed



Suspended



Surface Mount



Remarks:

- 10% +/- tolerance: wattage, CCT, lumen output.
- With more efficiency & wattage also available upon request.

Photos, description & details are subject to change without previous notice.