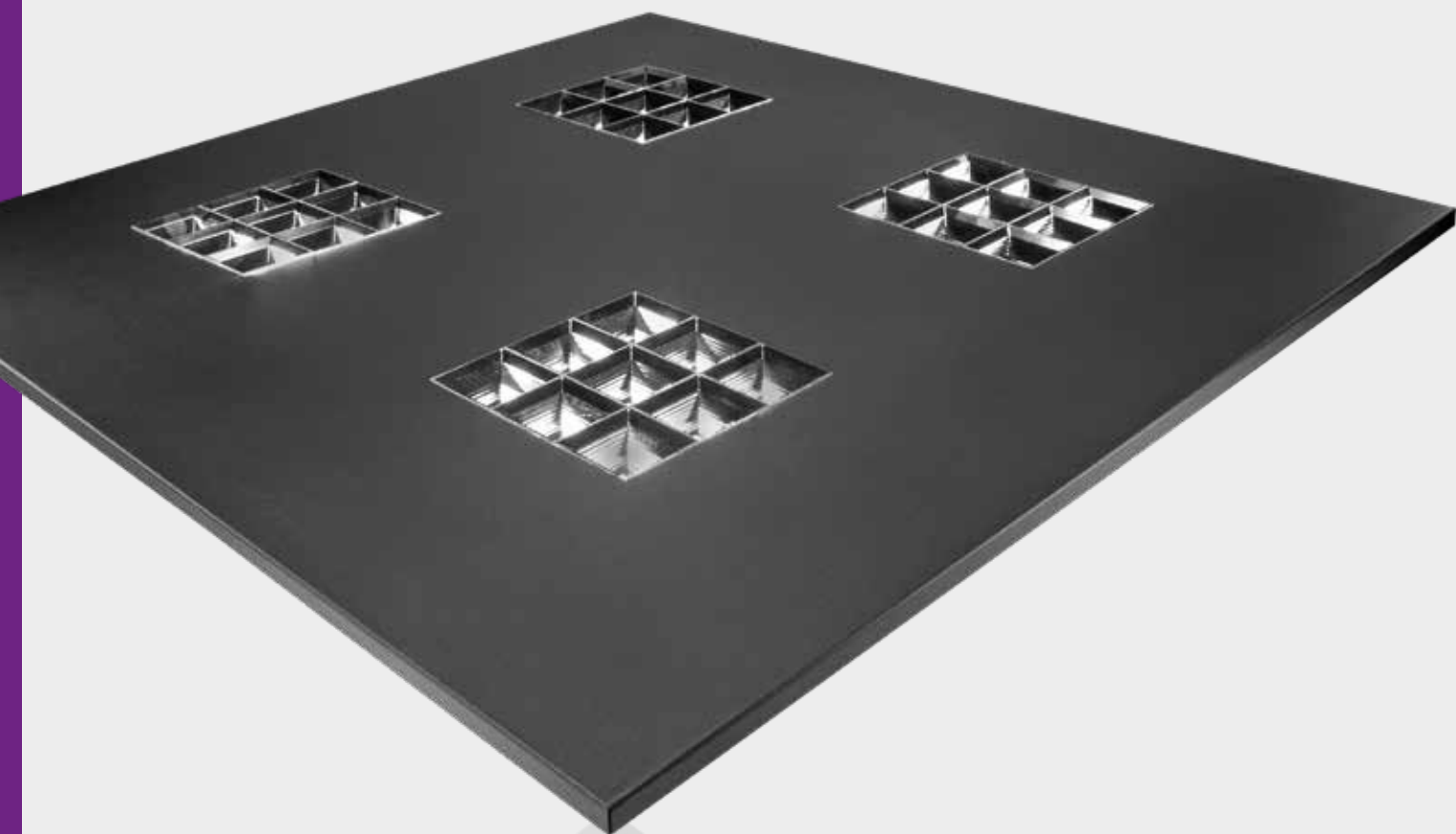




Panels

Setting quality standards for functional
lighting in work spaces

>130 Lm/W | 60x60 | Panels

LED PANEL | 60X60 CM | TRI-WHITE | 130 Lm/W | UGR<17

LED panel with CCT switch for pre-settable color temperature 3000K, 4000K or 5700K
Choice in black or white frame.



Input voltage: 220-240V

Power: 27 Watt

Luminous flux: >3510 Lm

Luminous efficiency: >130 Lm/W

Driver: External flicker free driver included (non dimmable)

Dimmable: Optional, check our website
for optional dimmable drivers

Beam angle: 70°

IP rate: IP20

Length: 595 mm

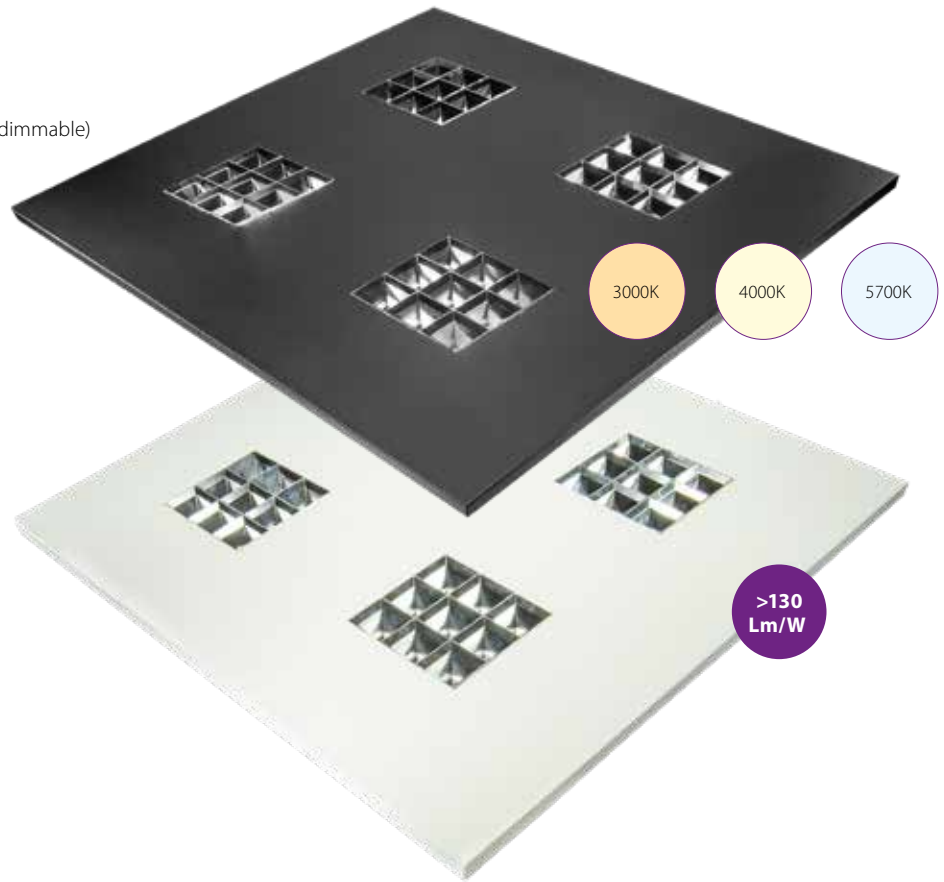
Width: 595 mm

Height: 16 mm

Cable length: 200 cm

Connection type: Europlug

Housing frame: Aluminium



ART. NR.	FRAME COLOR
----------	-------------

174-271	● Black frame
---------	---------------

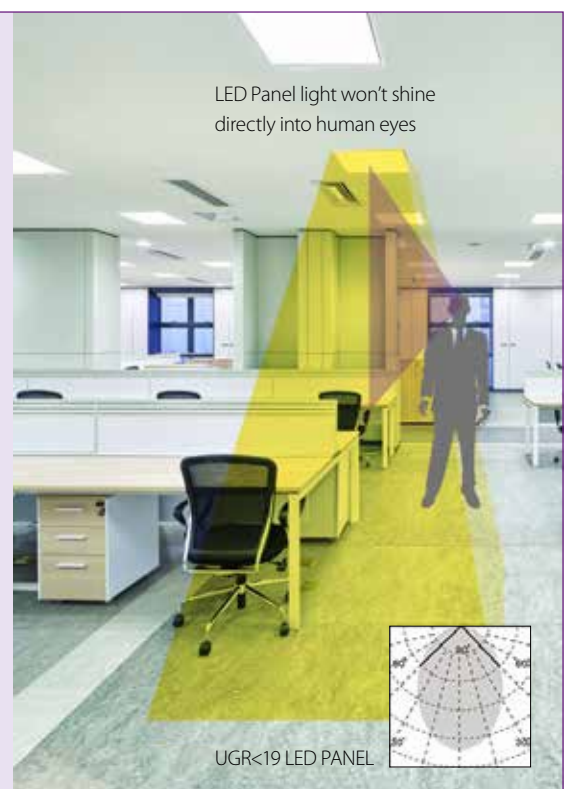
174-270	○ White frame
---------	---------------

Low UGR<19 value for minimal discomfort from glare and high productivity

A low UGR value (Unified Glare Rating) avoids unwanted glare, minimizing any discomfort caused by light in working spaces. The light must be clear enough to perform activities, but should at no time be causing unwanted brilliance or glare. Tronix UGR<19 Panels have a high scoring rate according to the guidelines as established by norm NEN-EN 12464-1. A low value represents a minimized glare-effect; the average value lies between 15 and 30.

Lage UGR<19 voor minder lichthinder en hoge productiviteit

Een lage UGR waarde (Unified Glare Rating) zorgt voor minder lichthinder in werkruimtes. Het licht moet helder genoeg zijn om de werkzaamheden te kunnen uitvoeren, maar mag niet zorgen voor schittering of verblinding. Tronix UGR<19 Panelen scoren zeer goed volgens de richtlijnen zoals deze zijn vastgesteld in de norm NEN-EN 12464-1. Een lage waarde staat voor weinig verblinding; de gemiddelde waarde ligt tussen 15 en 30.



Panels | 60x60 | >130 Lm/W

LED PANEL 60X60 CM | HIGH EFFICIENCY >130 LM/W | WHITE FRAME

LED panel with high Lm/W performance in 3000K or 4000K



Input voltage: 220-240V
Power: 27 Watt
Luminous flux: 3510 Lm
Luminous efficiency: >130 Lm/W
Driver: External flicker free driver included (non dimmable)
Dimmable: Optional, check our website for optional dimmable drivers
Beam angle: 120° / 90° UGR<19
IP rate: IP20
Length: 595 mm
Width: 595 mm
Height: 11 mm
Cable length: 200 cm
Connection type: Europlug
Housing frame: Aluminium (white coated)



PANEL 60X60 | WARM WHITE 3000K | 3510 LM



ART. NR.	DIMMABLE	UGR
174-740	Non-dimmable	-
174-756	Non-dimmable	UGR<19

PANEL 60X60 | NATURAL WHITE 4000K | 3510 LM



ART. NR.	DIMMABLE	UGR
174-741	Non-dimmable	-
174-755	Non-dimmable	UGR<19

ACCESSORIES

ART. NR.	TYPE
174-700	Suspension kit for LED Panels 174-700 series 4 wires 200 cm
595-030	Universal connector to schuko 300 mm
595-033	Universal connector to EU 300 mm

Lumen/Watt rate: more savings, same light output

The Lm/W ratio is a much discussed value, but what does it actually say? The power in Wattage indicates how much energy a light source consumes, and for the light output you look at lumen quantity. In other words: panels with a '130 Lumen per Watt' ratio are more energy efficient than panels with a value of '100 Lumen per Watt'.

A common misunderstanding is the assumption that a 130 Lm/W Panel also gives more light than a 100 Lm/W Panel. And that doesn't have to be the case. Because a 4000K panel of 60x60 with 100 Lm/W ratio gives 3600 lumens, while the same version in a 130 Lm/W ratio gives 3510 lumens. In other words: the light output is almost the same, but the consumption of a 130 Lm/W is considerably less: 27 Watts versus 36 Watts for a 100 Lm/W version.

CONCLUSION

If you want to save extra on energy costs, then a higher Lm/W ratio is always a good investment!

Example:

Art.nr. 174-141 36W/3600Lm = 100 Lm/W

Art.nr. 174-740 27W/3510Lm = 130 Lm/W



A

>100 Lm/W | 60x60 | Panels

LED PANEL 60X60 CM | >100 LM/W WHITE FRAME

LED panels with 100 Lm/W performance in 3000K, 4000K and 6000K



Input voltage: 220-240V
Power: 36 Watt
Luminous flux: 3600 Lm
Luminous efficiency: >100 Lm/W
Driver: External flicker free driver included
Beam angle: 120° / 90° UGR<19
IP rate: IP20
Length: 595 mm
Width: 595 mm
Height: 11 mm
Cable length: 200 cm
Connection type: Europlug
Housing frame: Aluminium (white coated)



PANEL 60X60 | WARM WHITE 3000K | 3600 LM



ART. NR.	DIMMABLE	UGR
174-140	Non-dimmable	-
174-176	Triac	-
174-177	1-10V	-
174-178	Dali	-
174-156	Non-dimmable	UGR<19
174-191	Triac	UGR<19
174-192	1-10V	UGR<19
174-193	Dali	UGR<19

PANEL 60X60 | NATURAL WHITE 4000K | 3600 LM



ART. NR.	DIMMABLE	UGR
174-141	Non-dimmable	-
174-182	Triac	-
174-183	1-10V	-
174-184	Dali	-
174-155	Non-dimmable	UGR<19
174-188	Triac	UGR<19
174-189	1-10V	UGR<19
174-190	Dali	UGR<19

PANEL 60X60 | COLD WHITE 6000K | 3600 LM



ART. NR.	DIMMABLE	UGR
174-130	Non-dimmable	-
174-185	Triac	-
174-186	1-10V	-
174-187	Dali	-
174-233	Non-dimmable	UGR<19
174-234	Triac	UGR<19
174-235	1-10V	UGR<19
174-236	Dali	UGR<19

* See page 25 for accessories

Lumen/Watt verhouding: minder verbruik, zelfde lichtopbrengst

De Lm/W verhouding is een veel besproken waarde maar wat zegt die nou eigenlijk? Het Wattage geeft aan hoeveel energie een lichtbron verbruikt en voor de lichtopbrengst kijk je naar het aantal lumen. Oftewel: panelen met een '130 Lumen per Watt' verhouding zijn energiezuiniger dan panelen met een waarde van '100 lumen per Watt'.

Een veel voorkomend misverstand is de aanname dat een 130 Lm/W Paneel ook meer licht geeft dan een 100 Lm/W Paneel. En dat hoeft dus niet zo te zijn. Want een 4000K paneel van 60x60 met 100 Lm/W verhouding geeft 3600 lumen, terwijl dezelfde uitvoering in een 130 Lm/W verhouding 3510 lumen geeft. Oftewel: de lichtopbrengst is nagenoeg gelijk, maar het verbruik van een 130 Lm/W is aanzienlijk minder: 27 Watt versus 36 Watt bij een 100 Lm/W uitvoering.

CONCLUSIE

Als je extra wilt besparen op energiekosten, dan is een hogere Lm/W verhouding altijd een goede investering.

Voorbeeld:

Art.nr. 174-141 36W/3600Lm = 100 Lm/W

Art.nr. 174-740 27W/3510Lm = 130 Lm/W



Quality features Tronix LED Panels

LED driver

A decisive factor that highly influences the quality of LED lighting is the LED Driver. The choice for an inferior driver is ultimately a costly one. A LED panel is a (thin) closed system, which means that heat cannot escape properly. With an external driver, heat can get away more easily, with as a result an optimal lifespan and a minimum risk on malfunctions or outfall. Most Tronix LED panels are equipped with an external driver.

Lifespan

Most manufacturers - Tronix included - guarantee a lifespan of 50,000 hrs when it comes to the LED itself. However, the actual lifetime depends largely on the driver used and the heat management (heat dissipation) of the LED.

Warranty 5 to 7 years

LED panels have become a price-fighting item on the LED market and quality differences are enormous. With a warranty period of 5 to 7 years on most Tronix LED panels, we prove to be a supplier that puts quality first.

Aluminum housing

LED's can poorly withstand heat, so heat dissipation (or cooling) is an important quality characteristic. Most Tronix LED Panels have an aluminum frame so that heat can escape better.

Efficiency

The amount of light (Luminous flux) that a LED produces per Watt expresses the luminous efficiency. With a luminous efficiency of >130 Lm/Watt, our High Efficiency Panels are qualified for Energy Investment Allowance (EIA) for Dutch businesses.

PMMA

Tronix LED panels have a very high quality diffuser plate from PMMA material (Polymethyl methacrylate). This acrylic plate has the property that it will not show any discoloring over time. This means that the light color is retained, as opposed to the cheaper PE plates where this will not be the case. When buying LED panels, it is important to consider this.

Tronix Panels Flicker-free (1%)

The flickering of a light source is indicated with a Flicker-percentage. The lower the percentage, the better. A Flicker-value of >35% is experienced as very disturbing to the human eye; values to 15% might cause - apart from a negative effect on concentration - complaints like headache, fatigue, and even light-sensitive epilepsy.

Flicker is caused by using inferior drivers that deliver an unstable signal. For Tronix High Efficiency LED Panels, high quality drivers are used (only 1% Flicker) to meet the strictest actual guidelines in the field of office lighting.



EAGLE RISE
High quality built in driver flicker free 1%



Kwaliteitskenmerken Tronix LED Panelen

LED driver

Een bepalende factor die de kwaliteit van LED verlichting beïnvloedt is de LED Driver. De keuze voor een inferieure driver is uiteindelijk dan ook een kostbare. Een LED paneel is een (dun) gesloten systeem waardoor warmte slecht kan worden afgevoerd. Met een externe driver wordt warmte beter afgevoerd, is de levensduur optimaal, en de kans op storingen en uitval zeer klein. De Tronix LED panelen zijn voorzien van een externe driver.

Levensduur

De meeste fabrikanten - Tronix inclusief - garanderen een levensduur van 50.000 uur als het om de LED zelf gaat. De werkelijke levensduur is echter grotendeels afhankelijk van de gebruikte driver en de warmtehuishouding (warmteafvoer) van de LED.

Garantie 5 tot 7 jaar

LED panelen behoren inmiddels tot de prijsvechtersmarkt en de kwaliteitsverschillen zijn enorm. Met een garantietermijn van 5 tot 7 jaar op de meeste Tronix LED panelen laten we zien dat we een leverancier zijn die voor kwaliteit gaat.

Aluminium behuizing

LED's kunnen slecht tegen warmte dus warmteafvoer (ofwel koeling) is een belangrijk kwaliteitskenmerk. De meeste Tronix LED Panelen hebben een aluminium behuizing zodat de warmte goed wordt afgevoerd.

Efficiëntie

De hoeveelheid licht (Luminous flux) die een LED per Watt produceert wordt weergegeven als lichtstroom efficiëntie. Tronix High Efficiency Panelen scoren met een lichtopbrengst tot >130Lm/Watt, zeer hoog in gebruiksefficiëntie, waardoor deze in aanmerking komen voor Energie InvesteringsAftrek (EIA).

PMMA

Tronix LED panelen hebben een zeer hoge kwaliteit diffuserplaat van PMMA (Polymethylmethacrylaat). Deze acrylaatplaat heeft als eigenschap niet te verkleuren. Hierdoor blijft de lichtkleur behouden, in tegenstelling tot een goedkopere PE plaat waarbij dit zeker niet het geval zal zijn. Mocht u LED panelen willen aanschaffen, dan zijn deze specificaties een must om te checken.

Tronix Panelen Flikkervrij (1%)

Het knipperen van een lichtbron wordt uitgedrukt een Flikkerpercentage. Hoe lager het percentage, hoe beter. Een Flikkerwaarde >35% wordt als zeer hinderlijk ervaren; waardes tot 15% kunnen, afgezien van een negatieve invloed op het concentratievermogen, ongemerkt klachten zoals hoofdpijn, vermoeidheid en lichtgevoelige epilepsie veroorzaken.

Flikkeren wordt veroorzaakt door het gebruik van inferieure drivers die een onstabiel signaal afgeven. Voor Tronix High Efficiency LED panelen worden drivers van hoge kwaliteit gebruikt, die met slechts 1% Flikkerwaarde voldoen aan de strengste actuele regelgeving op het gebied van kantoorverlichting.



Experience the eye-disturbing
Flicker-effect here.

Ervaar het hinderlijke Flikkereffect hier.



Panels | 60x60 | Specials

LED PANEL 60X60 CM | TRI-WHITE | >100 LM/W

With CCT switch for pre-settable color temperature 3000K - 4000K - 6000K



- Input voltage:** 220-240V
- Power:** 40 Watt
- Luminous flux:** 4000 Lm
- Luminous efficiency:** >100 Lm/W
- Driver:** External flicker free driver included (non dimmable).
- Dimmable:** Optional, check our website for optional dimmable drivers
- Beam angle:** 90°/120°
- IP rate:** IP20
- Length:** 595 mm
- Width:** 595 mm
- Height:** 11 mm
- IP rate:** IP20
- Cable length:** 200 cm
- Connection type:** Europlug
- Housing frame:** Aluminium (white coated)



ART.NR.	POWER	LUMINOUS FLUX	LIGHT COLOR	UGR	CRI	BEAM ANGLE
174-240	40 Watt	4000 Lm	Tri-white	-	CRI>80	120°
174-242	40 Watt	4000 Lm	Tri-white	UGR <19	CRI>90	90°

BACK-LIT PANEL | 60X60 CM | UGR<19

LED panel with back-lit LED chips for optimum heat regulation.



- Input voltage:** 220-240V
- Power:** 30 Watt
- Luminous flux:** 3450 Lm
- Luminous efficiency:** >115 Lm/W
- Driver:** External flicker free driver included (non dimmable).
- Dimmable:** Optional, check our website for optional dimmable drivers
- Beam angle:** 90°
- IP rate:** IP20
- Length:** 595 mm
- Width:** 595 mm
- Height:** 33 mm
- Cable length:** 200 cm
- Connection type:** Europlug
- Housing frame:** Aluminium (white coated)



PANEL 60X60 | WARM WHITE

3000K | 3450 LM



ART. NR.	DIMMABLE	UGR
174-656	Non-dimmable	UGR<19

PANEL 60X60 | NATURAL WHITE

4000K | 3450 LM



ART. NR.	DIMMABLE	UGR
174-655	Non-dimmable	UGR<19



* Discover the advantages of Back-Lit

LED PANEL 60X60 CM | TUNABLE WHITE | >100 LM/W

Tunable white 2700K - 6000K LED Panel, power supply not included..



Constant current: 1050 mA

Power: 36 Watt

Luminous flux: >3600 Lm

Luminous efficiency: >100 Lm/W

Driver: Not included (Art.nr. 214-167)

Dimmable: Yes

Beam angle: 90°

IP rate: IP20

Length: 595 mm

Width: 595 mm

Height: 11 mm

IP rate: IP20

Cable length: 50 cm

Connection type: Stripped wire

Housing frame: Aluminium (white coated)



ART. NR.	POWER	LUMINOUS FLUX	COLOR TEMP. (CCT)
174-250	36 Watt	>3600 Lm	2700K - 6000K

* See page 20 for accessories

LED PANEL 60X60 CM | 34W | RGBW

Controllable LED panel RGBW, power supply not included (Art.nr. 214-143)



Input voltage: 24V

Power: 34 Watt

Driver: Not included (Art.nr. 214-143)

Dimmable: Yes

Beam angle: 120°

IP rate: IP20

Length: 595 mm

Width: 595 mm

Height: 11 mm

Cable length: 200 cm

Connection type: Stripped wire

Housing frame: Aluminium (white coated)



ART. NR.	POWER	LIGHT COLOR	COLOR TEMP. (CCT)
174-048	34 Watt	RGBW	RGB + 3000K

ART. NR.	CONTROLLER*
214-142	RGB+W Remote control RF 2 Zones 10 Scenes

* To be used with 24V power supply (Art.nr. 214-143)



Panels | 30x120 | >130 Lm/W

LED PANEL 30X120 CM | HIGH EFFICIENCY >130 LM/W | WHITE FRAME

LED panel with high Lm/W performance in 3000K or 4000K



Input voltage: 220-240V
Power: 27 Watt
Luminous flux: 3510Lm
Luminous efficiency: >130Lm/W
Driver: External flicker free driver included (non dimmable).
Dimmable: Optional (check website)
Beam angle: 120° / 90° UGR<19
IP rate: IP20
Length: 1195 mm
Width: 295 mm
Height: 11 mm
Cable length: 200 cm
Connection type: Europlug
Housing frame: Aluminium (white coated)



PANEL 30X120 | WARM WHITE

3000K | 3510 LM



ART. NR.	DIMMABLE	UGR
174-731	Non-dimmable	-
174-822	Non-dimmable	UGR<19

PANEL 30X120 | NATURAL WHITE

4000K | 3510 LM



ART. NR.	DIMMABLE	UGR
174-754	Non-dimmable	-
174-821	Non-dimmable	UGR<19

ACCESSORIES

ART. NR.	TYPE
174-701	Suspension kit for LED Panels 174-700 series 6 wires 200 cm
595-030	Universal connector to schuko 300 mm
595-033	Universal connector tot EU 300 mm

Energy investment allowance (EIA)

The amount of light (Luminous flux) that a LED produces per Watt is called the luminous efficiency.

With a luminous efficiency of >130 Lm/Watt, our High Efficiency Panels are qualified for Energy Investment Allowance (EIA) for Dutch businesses. So if you have a company in the Netherlands and invest in energy-efficient technologies or assets, you may be eligible to apply for this allowance and benefit from it. In that case, 45% of the costs are deductible from the taxable profit, provided that your investment relates to one of the following products:

- 1 LED spots, LED downlights or LED tubes with a specific luminous flux of at least 110 Lm/W.
- 2 LED lighting fixtures other than listed under A. but with a luminous flux of at least 125 Lm/W.

Energie investeringsaftrek (EIA)

De hoeveelheid licht (Luminous flux) die een LED produceert wordt ook wel lumen efficiency genoemd.

Tronix High Lumen Efficiency LED Panels voldoen aan de eisen die anno 2020 wordt gesteld om voor de Energie investeringsaftrek (EIA) regeling in aanmerking te komen. Investeert u als bedrijf in energiezuinige technieken en duurzame energie? Maak dan gebruik van deze regeling, want 45% van de investeringskosten is in dat geval aftrekbaar van de fiscale winst. Uw investering dient alleen wel betrekking te hebben op één van de volgende producten:

- 1 LED-spots of LED-downlights, met een lumen efficiëntie van ten minste 110 Lm/W.
- 2 Andere LED lichtarmaturen dan genoemd onder A. maar met een lumen efficiëntie van min. 125 Lm/W.



>100 Lm/W | 30x120 | Panels

LED PANEL 30X120 CM | >100 LM/W WHITE FRAME

LED panels with Lm/W performance in 3000K, 4000K and 6000K



Input voltage: 220-240V
Power: 36 Watt
Luminous flux: 3600 Lm
Luminous efficiency: >100 Lm/W
Driver: External flicker free driver included.
Beam angle: 120° / 90° UGR<19
IP rate: IP20
Length: 1195 mm
Width: 295 mm
Height: 11 mm
Cable length: 200 cm
Connection type: Europlug
Housing frame: Aluminium (white coated)



PANEL 30X120 | WARM WHITE 3000K | 3600 LM



ART. NR.	DIMMABLE	UGR
174-131	Non-dimmable	-
174-208	Triac	-
174-209	1-10V	-
174-210	Dali	-
174-222	Non-dimmable	UGR<19
174-226	Triac	UGR<19
174-227	1-10V	UGR<19
174-228	Dali	UGR<19

PANEL 30X120 | NATURAL WHITE 4000K | 3600 LM



ART. NR.	DIMMABLE	UGR
174-154	Non-dimmable	-
174-197	Triac	-
174-198	1-10V	-
174-199	Dali	-
174-221	Non-dimmable	UGR<19
174-223	Triac	UGR<19
174-224	1-10V	UGR<19
174-225	Dali	UGR<19

PANEL 30X120 | COLD WHITE 6000K | 3600 LM



ART. NR.	DIMMABLE	UGR
174-132	Non-dimmable	-
174-194	Triac	-
174-195	1-10V	-
174-196	Dali	-
174-229	Non-dimmable	UGR<19
174-230	Triac	UGR<19
174-231	1-10V	UGR<19
174-232	Dali	UGR<19

* See page 25 for accessories



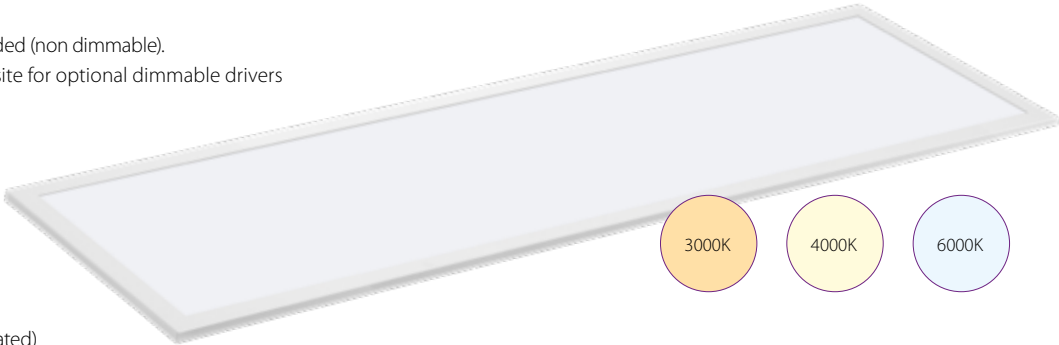
Panels | 30x120 | Specials

LED PANEL 30X120 CM | TRI-WHITE | >100 LM/W

With CCT switch for pre-settable color temperature 3000K/4000K/6000K



- Input voltage:** 220-240V
- Power:** 40 Watt
- Luminous flux:** 4000 Lm
- Luminous efficiency:** >100 Lm/W
- Driver:** External flicker free driver included (non dimmable).
- Dimmable:** Optional, check our website for optional dimmable drivers
- Light color:** Tri-White
- Beam angle:** 120°
- IP rate:** IP20
- Length:** 1195 mm
- Width:** 295 mm
- Height:** 11 mm
- Cable length:** 200 cm
- Connection type:** Europlug
- Housing frame:** Aluminium (white coated)



ART.NR.	POWER	LUMINOUS FLUX	LIGHT COLOR
174-241	40 Watt	4000 Lm	Tri-white

BACK-LIT PANEL | 30X120 CM | UGR<19

LED panel with back-lit LED chips for optimum heat regulation.



- Input voltage:** 220-240V
- Power:** 30 Watt
- Luminous flux:** 3450 Lm
- Luminous efficiency:** >115 Lm/W
- Driver:** External flicker free driver included (non dimmable).
- Dimmable:** Optional, check our website for optional dimmable drivers
- Beam angle:** 90°
- IP rate:** IP20
- Length:** 1195 mm
- Width:** 295 mm
- Height:** 33 mm
- Cable length:** 200 cm
- Connection type:** Europlug
- Housing frame:** Aluminium (white coated)



PANEL 30X120 | WARM WHITE

3000K | 3450 LM



ART. NR.	DIMMABLE	UGR
174-631	Non-dimmable	-
174-722	Non-dimmable	UGR<19

PANEL 30X120 | NATURAL WHITE

4000K | 3450 LM



ART. NR.	DIMMABLE	UGR
174-654	Non-dimmable	-
174-721	Non-dimmable	UGR<19



* Discover the advantages of Back-Lit



Cooking workshop area with Tri-White LED Panels 30x60 cm, Art nr 174-029
't Handelshuys - Uden, the Netherlands.

Panels | 30x120 | Specials

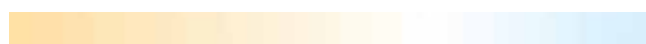
LED PANEL 30X120 CM | TUNABLE WHITE >100 LM/W

Tunable white 2700K - 6000K LED Panel, Power supply not included.



Constant current: 1050 mA
Power: 36 Watt
Luminous flux: >3600 Lm
Luminous efficiency: >100 Lm/W
Driver: Not included (Art.nr. 214-167)
Dimmable: Yes
Beam angle: 90°
IP rate: IP20
Length: 1195 mm
Width: 295 mm
Height: 11 mm
Cable length: 50 cm

Connection type: Stripped wire
Housing frame: Aluminium
 (white coated)



ART. NR.	POWER	LUMINOUS FLUX	COLOR TEMP. (CCT)
174-255	36 Watt	>3600 Lm	2700K - 6000K

DESK REMOTE FOR TUNABLE WHITE



1. Decrease light intensity from 100% to 1%
2. Change color temperature from 2700K~6000K
1. Increase light intensity from 1% to 100%
2. Change color temperature from 6000K~2700K

REMOTE WALL CONTROLLER FOR TUNABLE WHITE



ART. NR.	214-159
OUTPUT	RF Signal
IP RATE	IP20
SIZE	96 x 65 x 74 mm
CONTROL RANGE	CCT & Brightness
	<20 meter

ART. NR.	214-172
OUTPUT	RF Signal
IP RATE	IP20
SIZE	86 x 86 x 14 mm
CONTROL RANGE	CCT & Brightness
	<20 meter

50 WATT RF 2 CHANNELS LED DRIVER

Constant current adjustable



ART. NR.	214-167
INPUT VOLTAGE	200-240V
OUTPUT	250-1500 mA (Adjustable)
POWER FACTOR	>0.9
POWER	50 Watt
SIZE	210 x 50 x 32 mm

CONTROLLER FOR TUNABLE WHITE



ART.NR.	214-175
DIMMING	Color wheel
SIZE	120 x 55 x 17 mm
BATTERY	included
RANGE	<20 meter
ZONES	4



2700K

3500K

6000K

Tronix Tunable White LED Panels 2700K-6000K

Create a natural course of light in your building with Tronix Tunable White LED Panels, that are completely adjustable in both light intensity and color tone. With the matching controller, not only the amount of light is completely adjustable, but on top of that possible to choose from a complete color range, varying from 2700K (warm light) to 6000K (cold light).

With these special panels you can create a more natural course of light: from dimmed warm light in the morning, to a higher light intensity with cooler light around noon, and then slowly getting back again to a lower light level with warm white light.



Tronix Tunable Witte LED Panelen 2700K-6000K

Creëer een natuurlijk lichtverloop in elke ruimte met de Tunable White LED Panelen van Tronix, die volledig instelbaar zijn op lichtintensiteit en kleur. Met de bijpassende controller kan niet alleen de hoeveelheid licht heel eenvoudig worden aangepast, maar is het ook mogelijk om een complete kleurenrange van 2700K (warm licht) tot en met 6000K (koud licht) zelf in te stellen.

Hiermee wordt het mogelijk om een natuurlijker lichtverloop te creëren: van gedimd warm licht in de ochtend, naar een hogere lichtsterkte met koeler licht rond het middaguur, om aan het eind van middag weer langzaam terug te gaan naar een lager lichtniveau met warm wit licht.

Panels | Round

PANEL ROUND Ø 61 CM | CRI>90 | >100 LM/W WHITE FRAME

LED panels 100 Lm/W performance in 4000K or 3000K with white frame.



- Input voltage:** 240V
- Power:** 40 Watt
- Luminous flux:** 4000 Lm
- Luminous efficiency:** >100 Lm/W
- Driver:** External flicker free driver included.
- Beam angle:** 90°
- IP rate:** IP20
- UGR:** <19
- CRI:** >90
- Diameter:** 610 mm
- Height:** 15 mm
- Connection type:** Terminal block
- Housing frame:** Aluminium with white powder coating



PANEL Ø 61 | WARM WHITE 3000K | 4000 LM

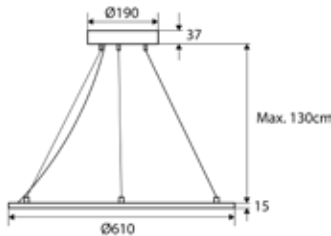
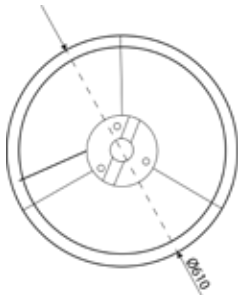


ART. NR.	DIMMABLE	UGR
174-204	Non-dimmable	UGR<19
174-214	Triac	UGR<19
174-215	1-10V	UGR<19
174-216	Dali	UGR<19

PANEL Ø 61 | NATURAL WHITE 4000K | 4000 LM

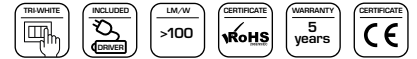


ART. NR.	DIMMABLE	UGR
174-205	Non-dimmable	UGR<19
174-211	Triac	UGR<19
174-212	1-10V	UGR<19
174-213	Dali	UGR<19



LED PANEL 30X60 CM | TRI-WHITE | >100 LM/W

With CCT switch for pre-settable color temperature 3000K/4000K/6000K



Input voltage: 220-240V
Power: 18 Watt
Luminous flux: >1800 Lm
Luminous efficiency: >100 Lm/W
Driver: External flicker free driver included (non dimmable)
Dimmable: Optional, check our website for optional dimmable drivers
Beam angle: 120°

IP rate: IP20
Length: 595 mm
Width: 295 mm
Height: 11 mm
Cable length: 200 cm
Connection type: Europlug
Housing frame: Aluminium (white coated)



ART.NR.	POWER	LUMINOUS FLUX	LIGHT COLOR
174-029	18 Watt	>1800 Lm	Tri-white

LED PANEL 15X120 CM | 36W | 4000K | UGR<19

Low UGR (anti-glare) value for visual comfort.



Input voltage: 220-240V
Power: 36 Watt
Driver: External flicker free driver included (non dimmable).
Dimmable: Optional, check our website for optional dimmable drivers
Beam angle: 90°
IP rate: IP20

Length: 1195 mm
Width: 145 mm
Height: 11 mm
Cable length: 200 cm
Connection type: Europlug
Housing frame: Aluminium (white coated)



ART.NR.	POWER	LUMINOUS FLUX	COLOR TEMP.(CCT)
174-290	36 Watt	3240 Lm	4000K

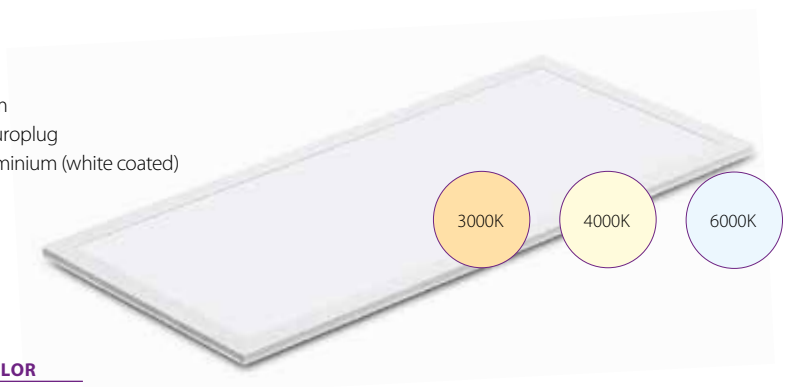
LED PANEL 60X120 CM | TRI-WHITE | >100 LM/W

With CCT switch for pre-settable color temperature 3000K/4000K/6000K



Input voltage: 220-240V
Power: 48 Watt
Luminous efficiency: >100 Lm/W
Driver: External flicker free driver included (non dimmable)
Dimmable: Optional, check our website for optional dimmable drivers
Beam angle: 120°

IP rate: IP20
Length: 1195 mm
Width: 595 mm
Height: 11 mm
Cable length: 200 cm
Connection type: Europlug
Housing frame: Aluminium (white coated)



ART.NR.	POWER	LUMINOUS FLUX	LIGHT COLOR
174-237	48 Watt	>4800 Lm	Tri-white



Office space 'de Klub' - d'n Office Uden, the Netherlands complete with
Tunable LED Panels 60x60, 174-250.

SURFACE MOUNTING KIT FOR PANEL

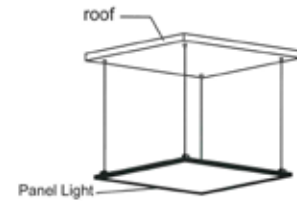
ART. NR.	LENGTH	WIDTH	HEIGHT
174-101	600 mm	600 mm	70 mm
174-103	1200 mm	300 mm	70 mm
174-105	600 mm	300 mm	70 mm
174-106	1200 mm	600 mm	70 mm



SUSPENSION KIT FOR LED PANELS 174-100 & 174-200 SERIES | MAX. 150 CM

Suitable for 60x60 or 30x120 cm LED Panels 100 Lm/W 174-100 to 174-299

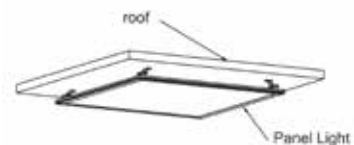
ART. NR.	WIRE QUANTITY	LED PANEL SIZE
174-050	4 pcs	All sizes



EASY SURFACE MOUNTING KIT

For 60*60 cm and 30*120 cm LED Panels (174-100 & 200 series)

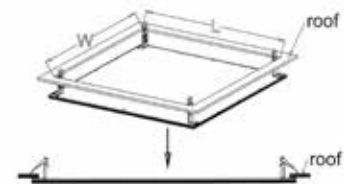
ART. NR.	QUANTITY
174-058	4 pcs



SPRING KIT FOR LED PANELS

For 60*60 cm and 30*120 cm Panels (174-100 & 200 series)

ART. NR.	QUANTITY
174-057	4 pcs



ADAPTER CABLE

ART. NR.	CONNECTION TYPE	WIDTH	HEIGHT
595-030	Universal connector to schuko	300 mm	70 mm
595-033	Universal connector to EU	300 mm	50 mm



595-030

595-033

LED EMERGENCY PACK | 10-60V | 70mA | AUTO TEST

To convert LED panels, downlights or other ceiling lights into luminaires with an emergency function.

ART. NR.	SIZE	OPERATING TIME
600-028	145 x 36,8 x 23,5 mm	Min. 3 hrs.

