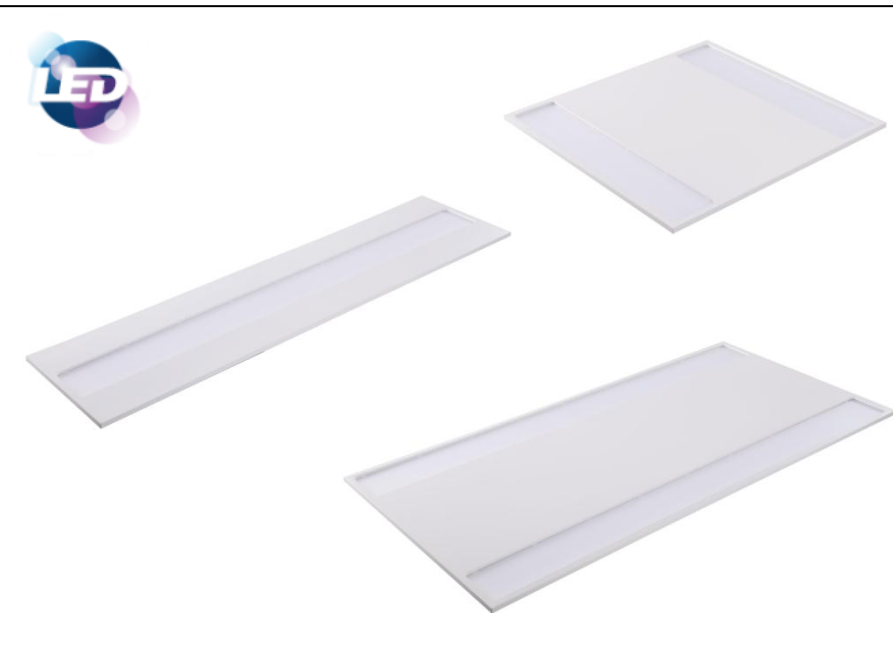


Xtend LED troffer – Features and benefits

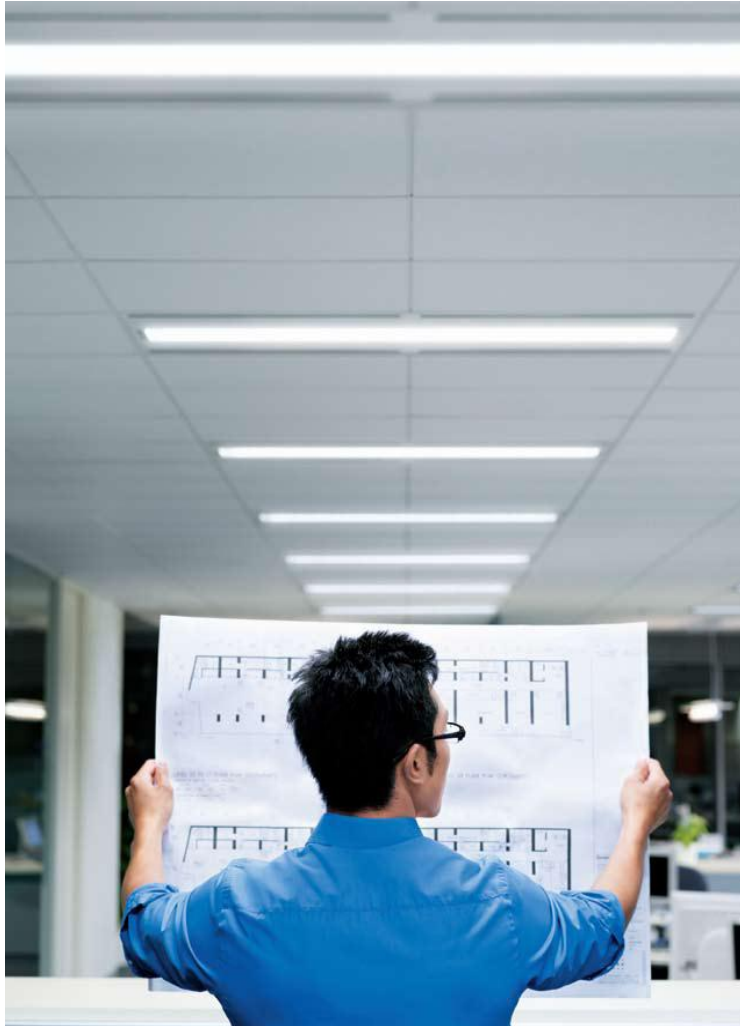


Features:

- Energy saving - system efficacy $\geq 95 \text{ lm/W}$, >50% energy efficient than TL troffer
- Continuous linear design – Uniform light from the illuminating window with visual comfort
- Long lifetime – **50,000hours** L70 @ 25° C

Applications

- Meeting room
- Training room
- Open office
- Supermarket
- Bank



Xtend LED Troffer Designation

RC115B LED35S 840 PSD W60L60 (S)



1 Driver

PSU – Fixed output (Xitanium)

PSD - DALI dimming (Xitanium TD)

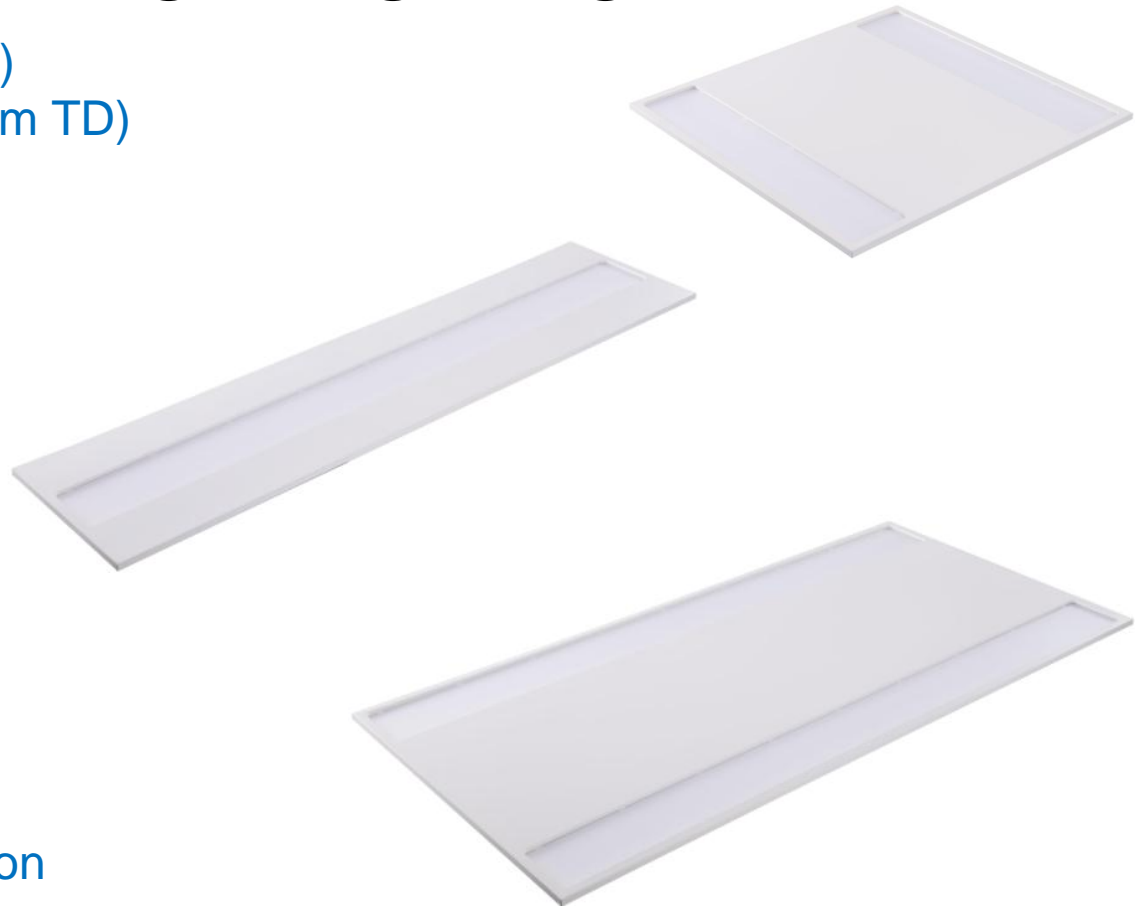
(S) – Fixed output (CertaDrive)

2 Dimension

W60L60 – 595 X 595 mm

W30L120 - 295 X 1195 mm

W60L120 - 595 X 1195 mm



ETO options

CCT – 3000K, 6500K

Air slot – on requested dimension

Actilume w. sensor

Product Architecture

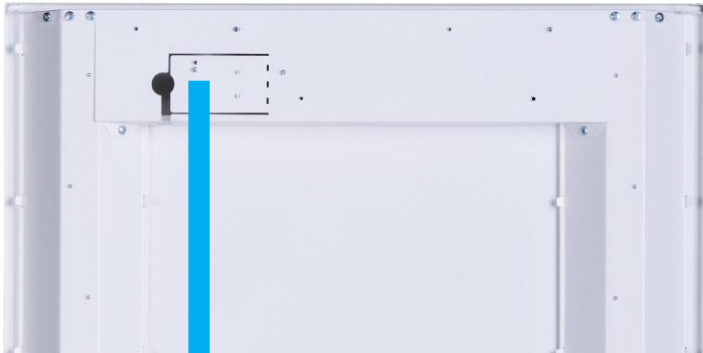


Philips NLP4.3 Platform
50,000hrs/ CRI>80/ SDCM 4

- Xitanium® driver for Performance
- CertaDrive for Cost

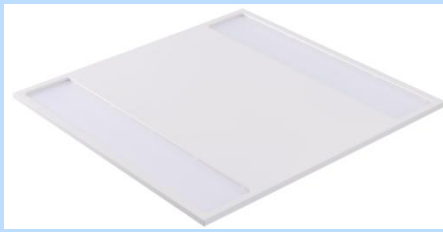



High transmittance PMMA
Diffuser for high efficiency

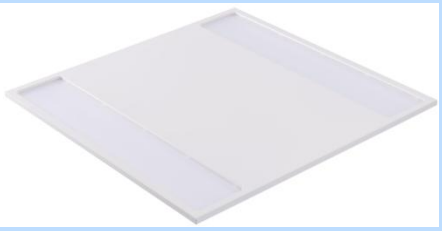




Easy wiring – incorporated
terminal block

Product Specifications (Xitanium driver version)

Type	RC115B W60L60	RC115B W30L120	RC115B W60L120
Picture			
System output Typ.	3600lm	3600lm	3600lm
Wattage. Typ.	38W	36W	34W
System Efficiency	95lm/W	100lm/W	105lm/W
CCT	NW(4000K), ETO available for CW(6500K) and WW (3000K)		
CRI	> 80		
SDCM	<= 4		
Operating temp	25°C		
Driver	Fixed output / DALI		
Flickering effect	<5%		
IP rating	IP20		
Dimension (mm)	595 X 595	295 X 1195	595 x 1195
Installation	Recessed		
Lifetime	50,000 hrs @L70 B50		
Approbation	CB / EMC / SAA		

Product Specifications (CertaDrive version)

Type	RC115B W60L60	RC115B W30L120	RC115B W60L120
Picture			
System output Typ.	3600lm	3600lm	3600lm
Wattage. Typ.	38W	38W	38W
System Efficiency	95lm/W	95lm/W	95lm/W
CCT	NW(4000K), ETO available for CW(6500K) and WW (3000K)		
CRI	> 80		
SDCM	<= 4		
Operating temp	25°C		
Driver	Fixed output		
IP rating	IP20		
Dimension (mm)	595 X 595	295 X 1195	595 x 1195
Installation	Recessed		
Lifetime	50,000 hrs @L70 B50		
Approbation	CB / EMC / SAA		

Ordering information

12NC	Description	Lumen	CCT	Driver	Mounting
9114 018 30099	RC115B LED35S/840 PSU W60L60	3600 lm	4000K	Xitanium_75W 0.12-0.4A 220V 230V	Recessed
9114 018 30199	RC115B LED35S/840 PSD W60L60	3600 lm	4000K	Xitanium_75W 0.12-0.40A 215V TD 230V	Recessed
9114 018 30299	RC115B LED35S/840 PSU W30L120	3600 lm	4000K	Xitanium_75W 0.12-0.4A 220V 230V	Recessed
9114 018 30399	RC115B LED35S/840 PSD W30L120	3600 lm	4000K	Xitanium_75W 0.12-0.40A 215V TD 230V	Recessed
9114 018 30499	RC115B LED35S/840 PSU W60L120	3600 lm	4000K	Xitanium_75W 0.12-0.4A 220V 230V	Recessed
9114 018 30599	RC115B LED35S/840 PSD W60L120	3600 lm	4000K	Xitanium_75W 0.12-0.40A 215V TD 230V	Recessed
9114 018 30699	RC115B LED35S/840 PSU W60L60 S	3600 lm	4000K	Certadrive 40W 240mA 160V 230V	Recessed
9114 018 30799	RC115B LED35S/840 PSU W30L120 S	3600 lm	4000K	Certadrive 40W 240mA 160V 230V	Recessed
9114 018 30899	RC115B LED35S/840 PSU W60L120 S	3600 lm	4000K	Certadrive 40W 240mA 160V 230V	Recessed

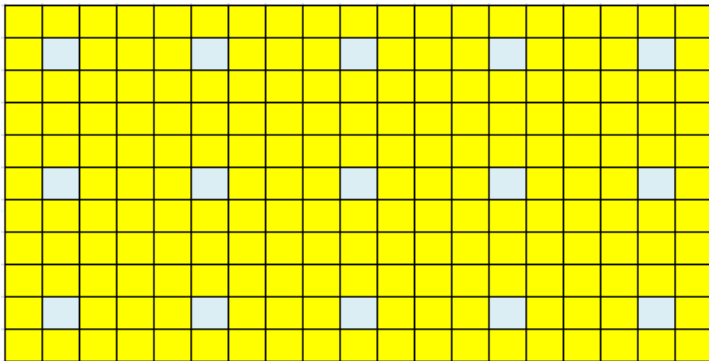
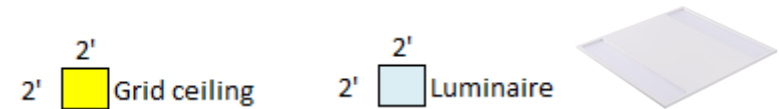
- More ETO options available on request

Application Guidance – Xtend LED Vs Conv.T5

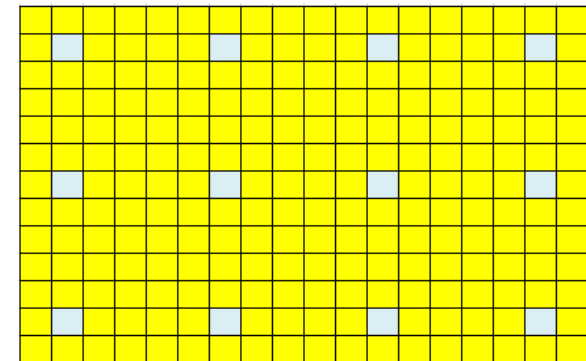
Scenario #	Grid pattern	Lum Spacing	Lum description	Lum size	Lum lm	Lum qty	Lux average @ 0.8m work plane	LPD	Uniformity (Lmin/ave)
#1	2' x 2'	2.4 x 2.4m	Xtend LED 35S	595 x 595 mm	3600	15	439	7.4	0.88
#2	2' x 2'	3 x 3m	Xtend LED 35S	595 x 595 mm	3600	12	339	5.7	0.85
#3	2' x 2'	2.4 x 2.4m	TBS528 4X14W	597 x 597 mm	3400	15	416	12.2	0.7
#4	2' x 2'	3 x 3m	TBS528 4X14W	597 x 597 mm	3400	12	304	9.8	0.72

Simulation configuration

- Reflectance: Ceiling -50%, wall - 30%, floor -10%; Maintenance Factor : 0.8; Work Plane Height: 0.8 m; Lum spacing refers to the distance from luminaire center to center of the next
- #1 & 3 - Area: 11.4 x 6.6 x 2.8m; Luminaires : 3 x 5 = 15pcs
- #2 & 4 – Area: 10.8 x 7.2 x 2.8m; Luminaires : 3 x 4 = 12pcs ;



#1 & #3



#2 & #4

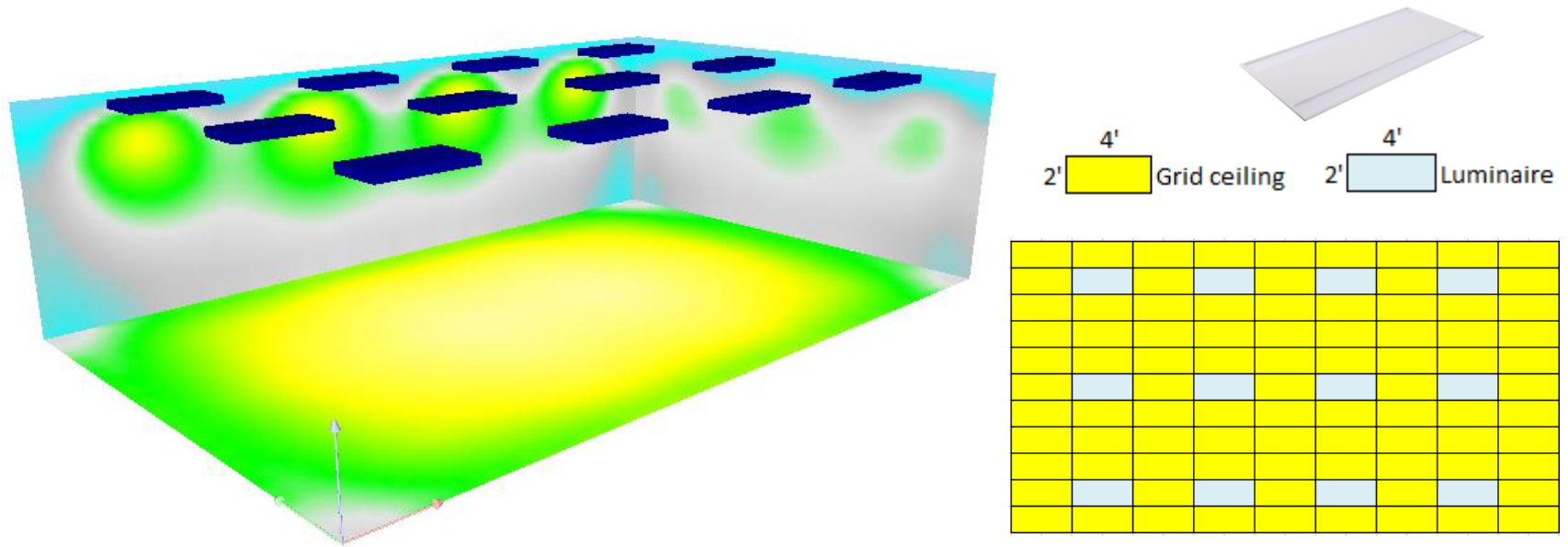
- Compared with Conventional TL troffer, Xtend LED delivers equivalent lux with much **lower LPD** and **better uniformity**
- For **400+lx**, recommend luminaire spacing is **3x3 grids (2.4m x 2.4m)**
- For **300+lx**, recommend luminaire spacing is **4x4 grids (3m x 3m)**

Application Guidance

Grid pattern	Lum Spacing	Lum description	Lum size	Lum lm	Lum qty	Lux average @ 0.8m work plane	LPD	Uniformity (Lmin/ave)
2' x 4'	2.4 x 2.4m	Xtend LED 35S	595 x 1195 mm	3600	12	437	5.7	0.8

Simulation configuration

- Area: 10.8x6.6x2.8m; Reflectance: Ceiling -50%, wall-30%, floor -10%; Maintenance Factor : 0.8; Work Plane Height: 0.8m



Xtend 595x1195 can perfectly fit the 2'x 4' ceiling grid based on the lum spacing of 2.4m x 2.4m, it delivers over 400lx on the work plane with excellent uniformity and low LPD thanks to the high efficacy of this type

