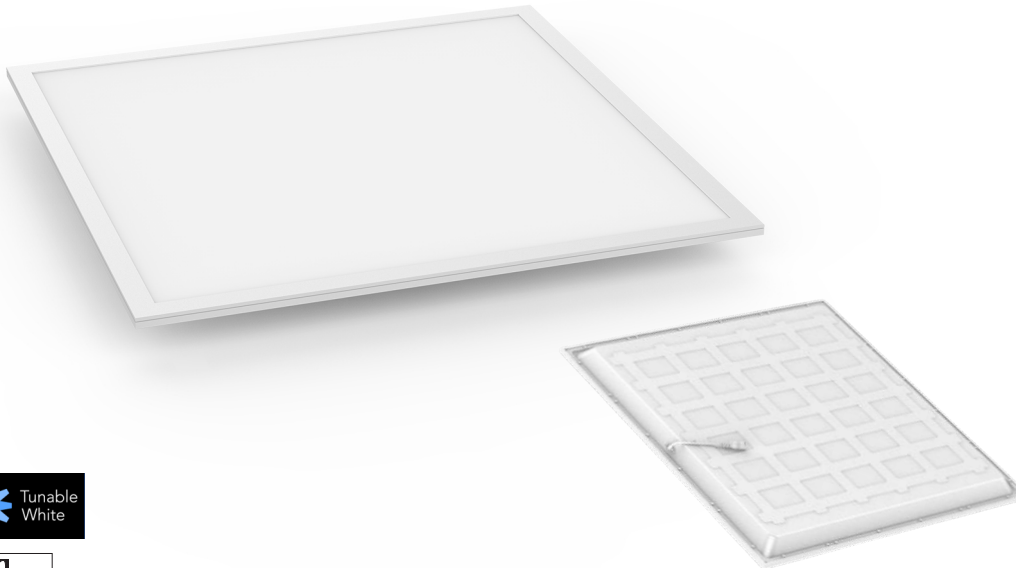# Vecta

Commercial Grade - Rear Projection - Tunable White LED Panel

Modular Tunable White LED Driver, Heavy Grade Metal Heat Sink

CRI 80+ / IP40 Rated and IK8 Impact Resistant

5 **Years**
Extended Warranty

Tunable White

Tunable White

Internal Linear Batten (IP20)

Part Code	Decription	Power	CCT	Lumen	IP Rating
SYN-LEP-CCT32W-1230-1.2	Vecta Series 1195x295mm 32w Rear Projection LED Panel, Tunable White with Modular LED Driver and 1.5m Power Cord.	32w	5700K	100lm	20
SYN-LEP-CCT32W-6060-1.2	Vecta Series 595x595mm 32w Rear Projection LED Panel, Tunable White with Modular LED Driver and 1.5m Power Cord.	9w/18w	5700K	100lm	20

General Specification

Voltage	220-240Vac 50-60Hz
LOR	88%
Ambient Temp	0°C to 50°C
Housing	Polycarbonate
IK Rating	IK08
Protection	Class ll, IP40

Driver / Sensor Data

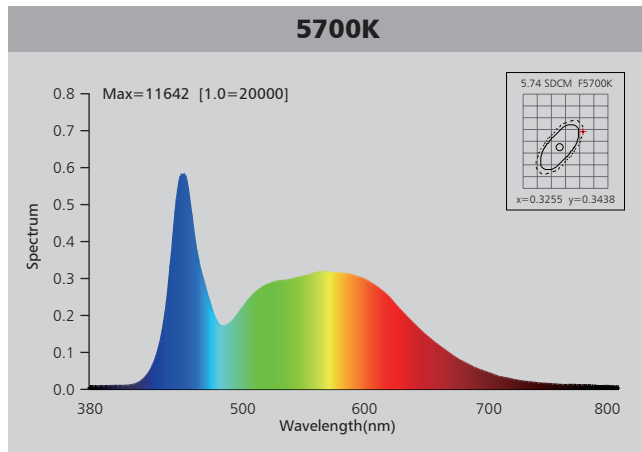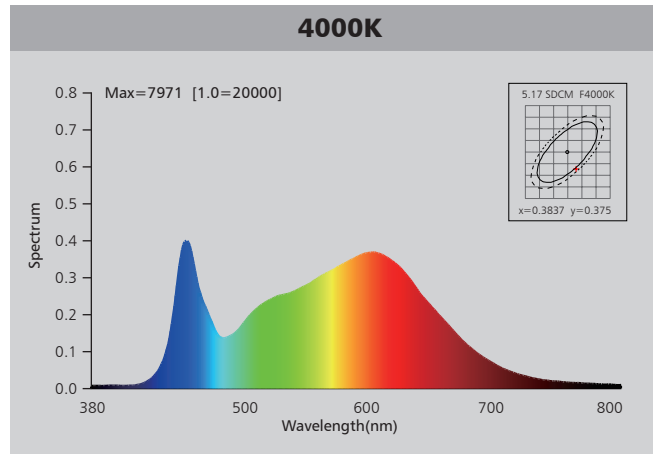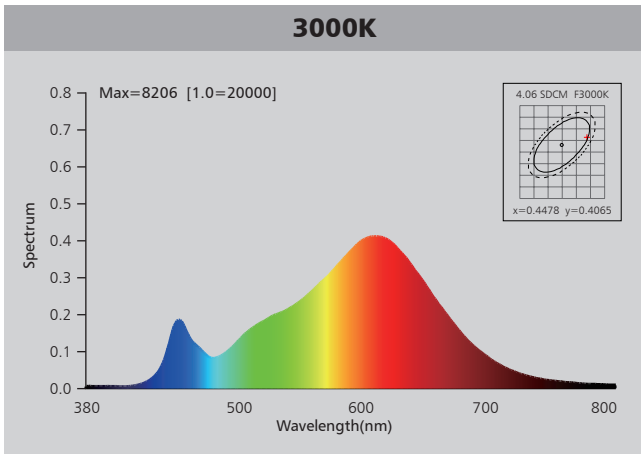| Driver data	Sensor	Mains Power
Input rated Voltage	AC230V	AC230V
Frequency	50/60Hz	50/60Hz
Input Voltage	AC200-240V	AC200-240V
Efficiency	—	≥88%
No load wattage	—	≤0.5W
Total load Wattage	2W±0.5W	12 / 18w / 25W±5%
Power Factor	—	≥0.9
Rated input current	≤0.02A	≤0.14A
Full load output Voltage	—	60-75V
Rated output current	—	325mA
Output current range	—	325mA±5%
Power tolerance	—	±5%
Current output tolerance	—	±5%
Hold time	5sec / 30sec / 3min / 10 min	—
Detection distance	3m or 7m	—
Daylight Sensor Settings	30 Lux or Disable	PASS
Standby Dimming Level	20% or Off	PASS
Standby Period (Time)	15 min or Disable	PASS
Withstand voltage	—	—

Fixture Classification

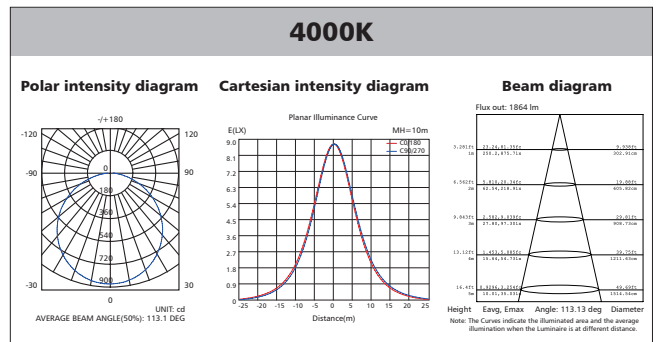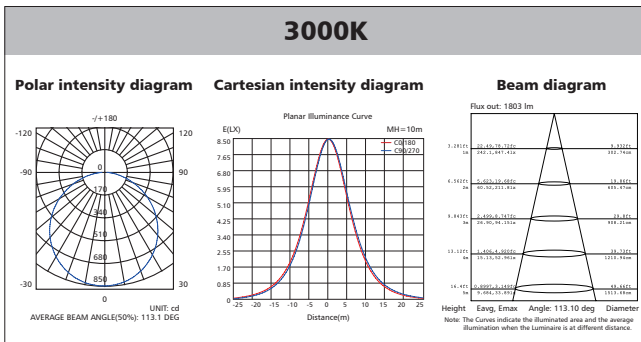| Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
12W/18W/25W	II	IP54	-20°C~45°C	0~90%	-20°C~65°C

Dimensions

Spectral Distribution

3000K

Max=8206 [1.0=20000]

4.06 SDCM F3000K

x=0.4478 y=0.4065

Spectrum vs Wavelength(nm)

4000K

Max=7971 [1.0=20000]

5.17 SDCM F4000K

x=0.3837 y=0.375

Spectrum vs Wavelength(nm)

5700K

Max=11642 [1.0=20000]

5.74 SDCM F5700K

x=0.3255 y=0.3438

Spectrum vs Wavelength(nm)

Photometric Diagram

3000K

Polar intensity diagram

-/+180

UNIT: cd
AVERAGE BEAM ANGLE(50%): 113.1 DEG

Cartesian intensity diagram

Planar Illuminance Curve

E(LX)   MH=10m

C0|180
C90/270

Distance(m)

Beam diagram

Flux out: 1803 lm

Height   Eavg, Emax   Angle: 113.10 deg   Diameter
Note: The Curves indicate the illuminated area and the average illumination when the Luminaire is at different distance.

4000K

Polar intensity diagram

-/+180

UNIT: cd
AVERAGE BEAM ANGLE(50%): 113.1 DEG

Cartesian intensity diagram

Planar Illuminance Curve

E(LX)   MH=10m

C0|180
C90/270

Distance(m)

Beam diagram

Flux out: 1864 lm

Height   Eavg, Emax   Angle: 113.13 deg   Diameter
Note: The Curves indicate the illuminated area and the average illumination when the Luminaire is at different distance.

5700K

Polar intensity diagram

-/+180

UNIT: cd
AVERAGE BEAM ANGLE(50%): 113.1 DEG

Cartesian intensity diagram

Planar Illuminance Curve

E(LX)   MH=10m

C0|180
C90/270

Distance(m)

Beam diagram

Flux out: 1852 lm

Height   Eavg, Emax   Angle: 113.00 deg   Diameter
Note: The Curves indicate the illuminated area and the average illumination when the Luminaire is at different distance.

Polar Diagram Comparison

UNIT: cd

— C0/180, 113.1 deg
— C30/210, 113.1 deg
— C60/240, 113.1 deg
— C90/270, 113.1 deg

AVERAGE BEAM ANGLE (50%): 113.1 DEG
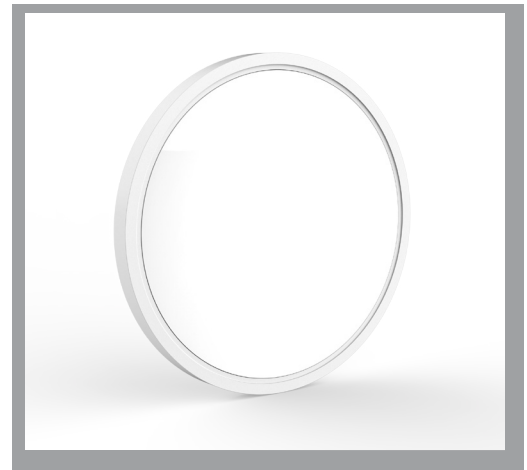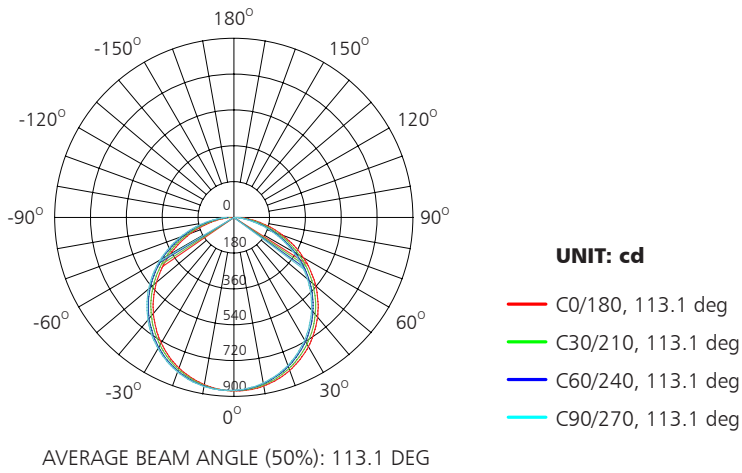
Driver/ LED Module Degradation Data

Driver Lifetime

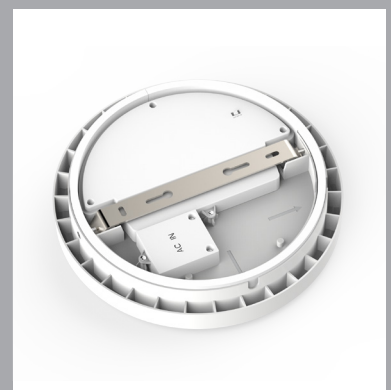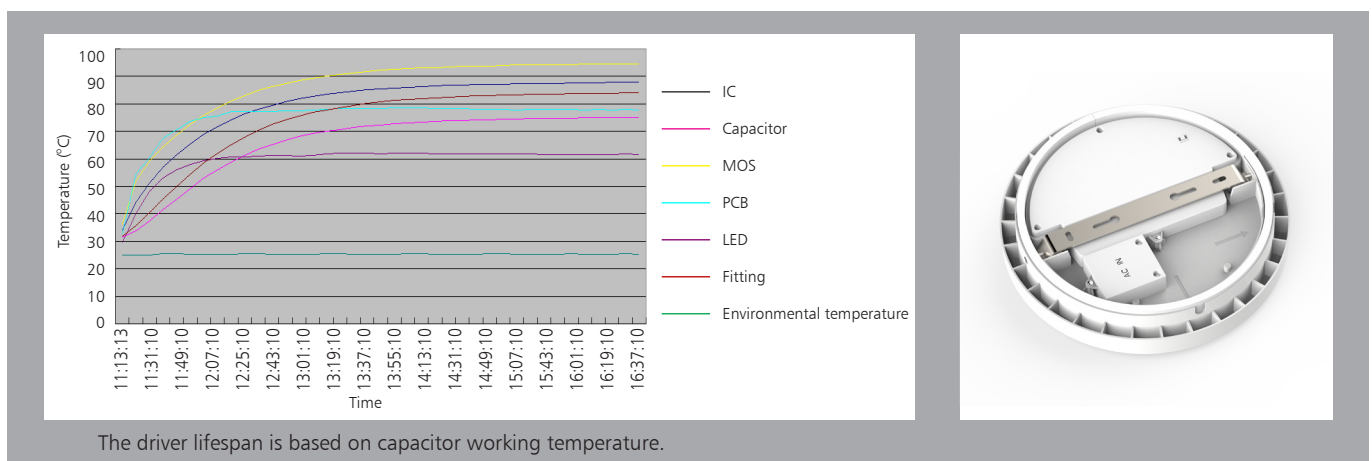Lifetime (hours) vs Capacitor Tc (°C)
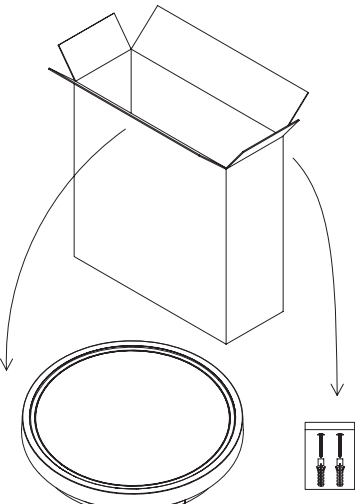
LED Light Decay Rate

% Luminous Flux vs LifeTime (hours)

FLUX
△ U'V'
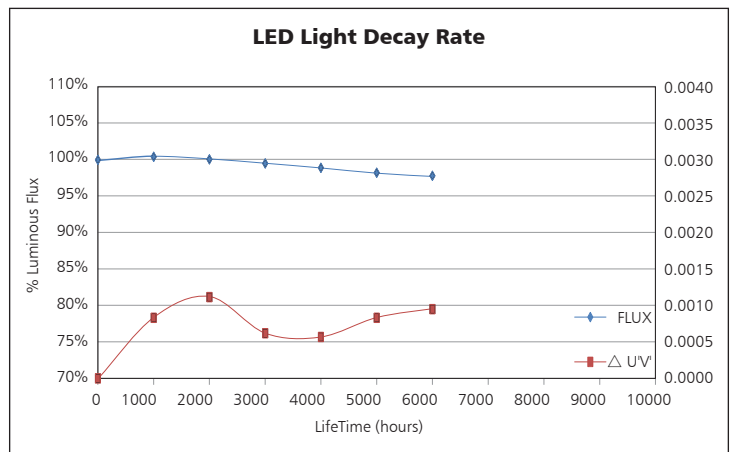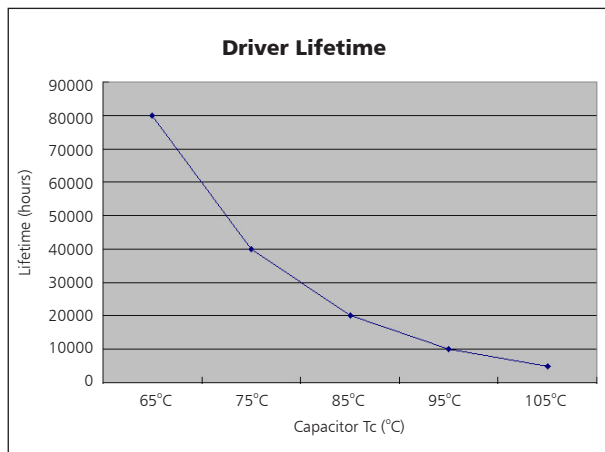
Temperature

- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
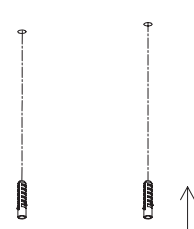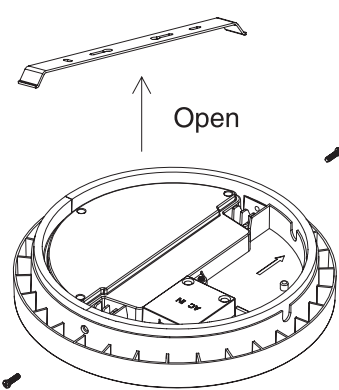- The highest withstand temperature of LED junction temperature is 150°C

Temperature (°C) vs Time

IC
Capacitor
MOS
PCB
LED
Fitting
Environmental temperature

The driver lifespan is based on capacitor working temperature.

Installation

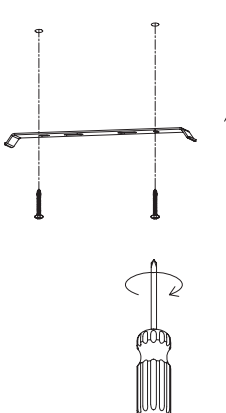|	
1. Take out ceiling light and accessory pack from box	**2.** Insert the plastic anchor into ceiling

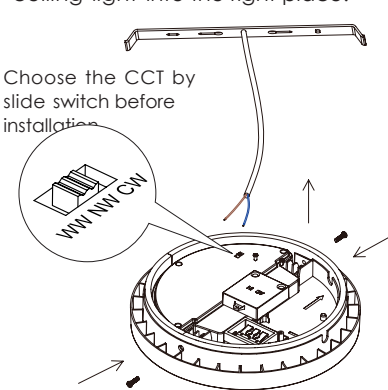**3.** Remove screw, take out bracket
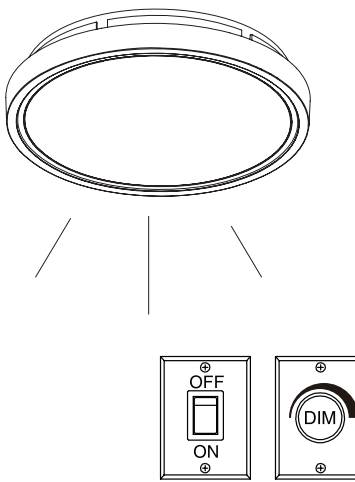
Open

4. Fix bracket with screw into the ceiling

5. Open junction box, wire "L" "N" to terminal block and mount ceiling light into the right place.
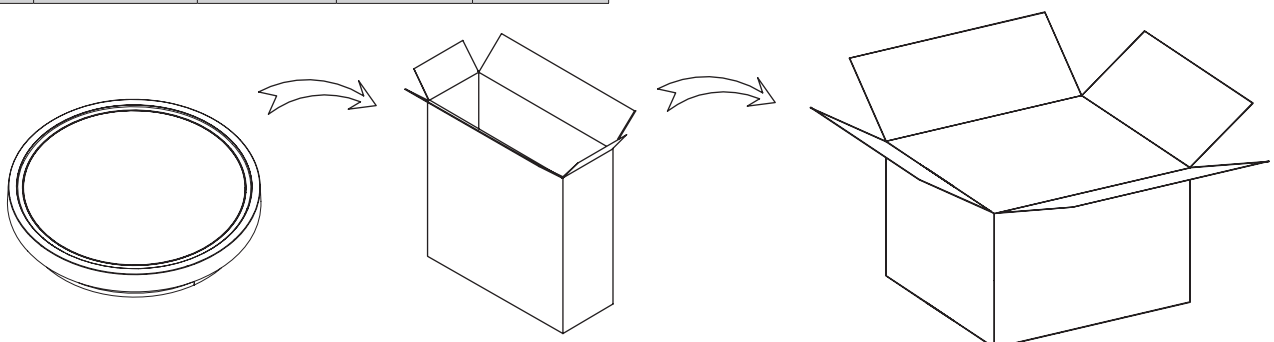
Choose the CCT by slide switch before installation

WW NW CW

L=Brown
N=Blue

6. Switch on

OFF
ON

DIM

Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	73*43*43	1.56	20.5	10

Syntech
POWER & LIGHT

Product Warranties*

Emergency Luminaires

5 Year
Extended Luminalre Warranty

2 Year
Battery Warranty

All emergency modules and fittings have a 5 year product replacement warranty. (Excludes Batteries)

Standard Luminaires

5 Years
Extended Luminalre Warranty

All standard luminaires have a 5 year product replacement warranty

WELLS Enabled Emergency Luminaires

5 Years
Comprehensive Product & Installation Warranty

WELLS Managed Installations are covered by a comprehensive 5 year Warranty on both luminaire and battery packs and labour. (Conditions Apply)

syntech POWER & LIGHT
Authorised Installer

syntech POWER & LIGHT
Authorised Reseller

Notes

syntech
POWER & LIGHT