

# PLT

## Panel Light Tunable Luminaire Dimmable / Tunable White Capability Emergency or Wireless Remote Models

We reserve the right to revise the design or components of any product without notice.

CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		

### SPECIFICATIONS

- PLT14 DIMENSIONS — 11.85" Width x 47.75" Length X .39" Depth (Panel Only).  
— 1.18" Depth (Including Rear Mounted Driver).
- PLT22 DIMENSIONS — 23.75" Width x 23.75" Length X .375" Depth (Panel Only).  
— 1.73" Depth (Including Rear Mounted Driver).
- PLT24 DIMENSIONS — 23.75" Width x 47.75" Length X .39" Depth (Panel Only).  
— 1.57" Depth (Including Rear Mounted Driver).
- DRIVER — Universal Voltage 120-277V Electronic Driver. 0-10V Dimming is standard.
- FINISH — Painted White (WH).
- LENS — PMMA LGP 3mm thick, Anti-Yellowing Lens.
- HOUSING — Anodized, anti-corrosion heat dissipating aluminum housing.
- LIGHT ENGINE — Energy Efficient Light Emitting Diode. Power Factor ≥ 0.95.  
Beam Angle 120°.
- COLOR TEMPERATURE — Selectable CCT: 3000K to 5000K Standard for RMT Model.  
110LPW. CRI >80.
- WIRELESS REMOTE CONTROL — Wireless Remote Control Model (RMT) features selectable CCT, dimming capability, and synchronization with other panel lights up to 30 meters. Remote styles include Wall Mounted (REMT0004) or Handheld versions (REMT0005).
- EMERGENCY — Emergency Battery Model (EM) available in 10W or 17W. Provided with integrated LED driver with built-in Lithium Battery. *NOTE: Emergency backup option provided with 0-10V dimmable driver only. Emergency backup models not offered with Tunable White LED.*
- MOUNTING — Recessed Panel Light. Surface Mount Kit (SMK) option available.
- COMPLIANCE — Built to comply with U.S. and Canadian Safety Standards. UL / cUL / CE compliant. IP44 Rated. For Indoor Use only. IC Rated (for use in insulated ceilings). DLC V4.3 Compliant.
- WARRANTY — 5-Year Limited Warranty. 50,000hr Lifespan.



**PLT22**  
2' X 2'



**PLT14**  
1' X 4'



**PLT24**  
2' X 4'

### ORDERING INFO

Series	Model	LED Wattage	CCT	Voltage	Finish	Options

#### ORDERING GUIDE:

#### SERIES

- PLT14 = Panel Light Tunable 1' x 4' Series
- PLT22 = Panel Light Tunable 2' x 2' Series
- PLT24 = Panel Light Tunable 2' x 4' Series

#### MODEL

- EM = Emergency Battery Light Model (Choose Emergency Wattage)
  - 10W = 10 Watt Emergency LED
  - 17W = 17 Watt Emergency LED
  - NOTE: Emergency battery option provided with 0-10V dimming only. Not available as Tunable White.*
- RMT = Wireless Remote Control Model (Choose Remote Style)
  - REMT0004 = Wall Mount Remote
  - REMT0005 = Handheld Remote

#### LED WATTAGE

- Refer to Below Chart for Size / Wattage Compatibility
- LED(xx) = LED (xx = Wattage, ex: LED40)
- (See Pgs.3-4 for Additional Photometric Data)

#### LED COLOR TEMPERATURE (CCT)

- NOTE: For Emergency Battery Light Model (EM), must select a CCT of 3K, 4K, or 5K.**
- 3K = ±3000K range LED
- 4K = ±4000K range LED
- 5K = ±5000K range LED
- SCCT = Selectable CCT: 3000K/3500K/4000K/5000K  
— Available only for Remote Control (RMT) Model

#### VOLTAGE

- UNV = Universal Volt (120-277v) Driver

#### FINISH

- WH = White

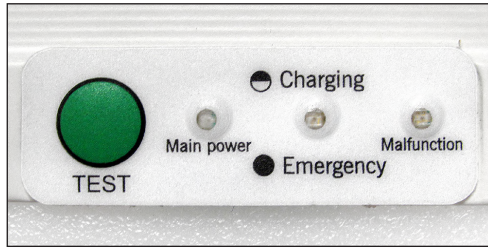
#### OPTIONS

- SMK = Surface Mount Kit  
— Surface Mount Kit/Recessed Mount Installation Diagrams on Page 5

LED WATTAGE				
Fixture		PLT14	PLT22	PLT24
Dimensions - W x L x D (Nominal)		12"W x 48"L x 1¼"D	24"W x 24"L x 1¼"D	24"W x 48"L x 1½"D
Light Emitting Diode	LED	40W (5170 Initial Lumens)	36W (3960 Initial Lumens) 40W (4295 Initial Lumens) 45W (4950 Initial Lumens)	60W (6400 Initial Lumens)

## MODEL FEATURES

- INSTANT START
- SMOOTH DIMMING
- PRESETS FOR CKT
- UNIFORM SOFT LIGHTING



Emergency Battery Light Model (EM)  
Mini Panel with Indicator Lights  
and Test Button



Wireless Remote Control  
Wall Remote (REMT0004)

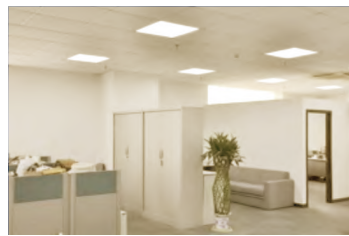


Wireless Remote Control  
Handheld Remote (REMT0005)

## WIRELESS REMOTE - COLOR TEMPERATURE PRESETS



5000K



4000K



3500K



3000K

PHOTOMETRIC DATA

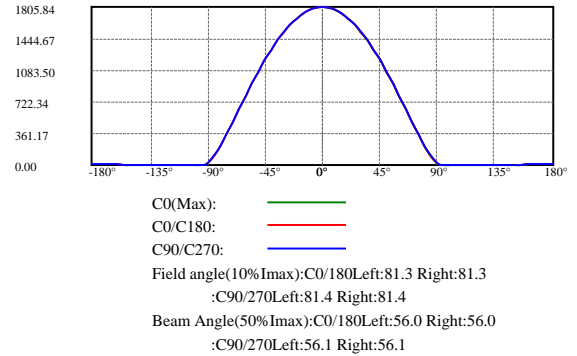
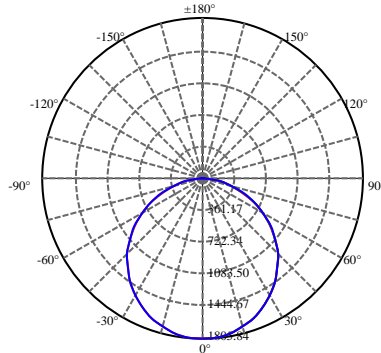
Test # LCZP16070272 / Test Date: 8/13/2016

CATALOGUE #: PLT14-LED40-3K

Summary of Results	
Total Lumen Output	5178 Lumens
Efficacy (Lm/W)	127.24 Lm/W

Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Color Temp	Lamp Flux
25°C (±1°C)	119.9	0.3410A	40.7W	0.9960	3000K	5178.6 lm

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1398.97	27.01
0-40	2288.68	44.20
0-60	4042.01	78.05
0-90	5156.85	99.58
0-120	5167.01	99.78
0-180	4466.04	100.0



PHOTOMETRIC DATA

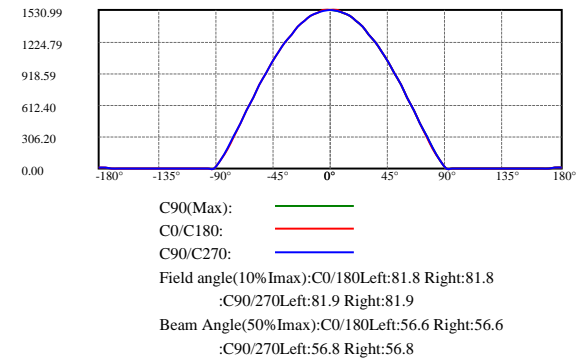
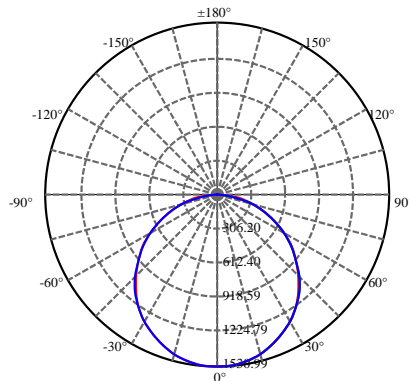
Test # LCZP17060484 / Test Date: 8/7/2017

CATALOGUE #: PLT14-EM-LED40

Summary of Results	
Total Lumen Output	4466.04 Lumens
Efficacy (Lm/W)	113.87 Lm/W

Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Phm Type	Lamp Flux
25°C (±1°C)	120.0	0.3290A	39.22W	0.9936	C	4466.0 lm

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1190.24	26.65
0-40	1951.97	43.71
0-60	3465.31	77.59
0-90	4451.70	99.68
0-120	4458.16	99.82
0-180	4466.04	100.0



PHOTOMETRIC DATA

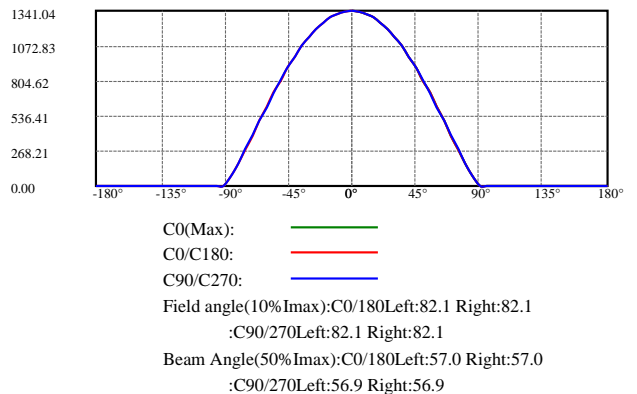
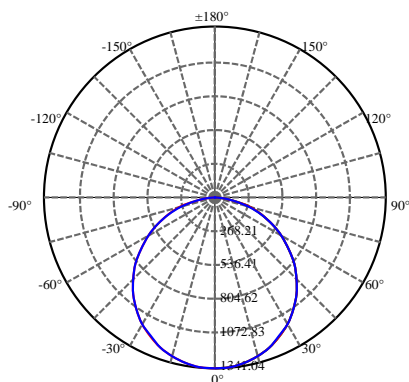
Test # LCZP17060478 / Test Date: 8/8/2017

CATALOGUE #: PLT22-EM-LED36

Summary of Results	
Total Lumen Output	3934.73 Lumens
Efficacy (Lm/W)	109.42 Lm/W

Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Phm Type	Lamp Flux
25°C (±1°C)	120.0	0.3010A	35.96W	0.9944	C	3934.7 lm

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1044.79	26.55
0-40	1715.33	43.59
0-60	3050.67	77.53
0-90	3926.67	99.80
90-180	29.91	0.76
0-180	3934.74	100.0



PHOTOMETRIC DATA

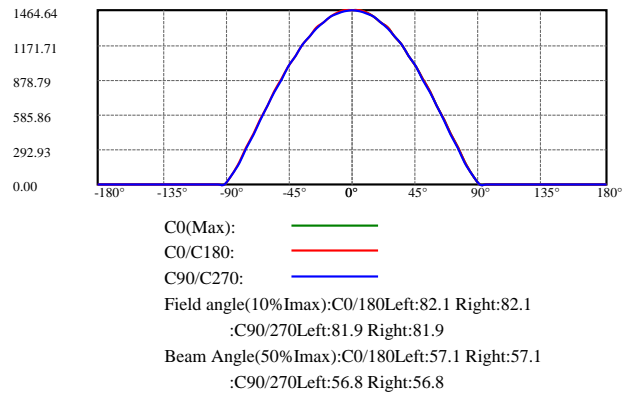
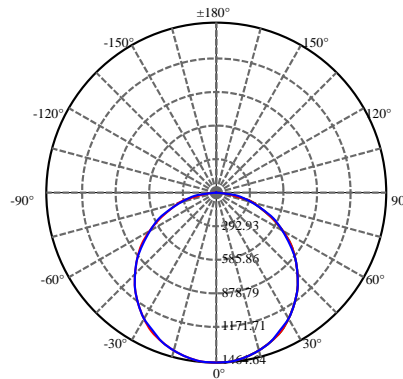
Test # LCZP17060481 / Test Date: 8/7/2017

CATALOGUE #: PLT22-EM-LED40

Summary of Results	
Total Lumen Output	4295.32 Lumens
Efficacy (Lm/W)	107.68 Lm/W

Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Phm Type	Lamp Flux
25°C (±1°C)	120.0	0.3340A	39.89W	0.9946	C	4295.3 lm

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1141.27	26.57
0-40	1873.69	43.62
0-60	3332.94	77.59
0-90	4289.75	99.87
90-180	29.11	0.68
0-180	4295.32	100.0



PHOTOMETRIC DATA

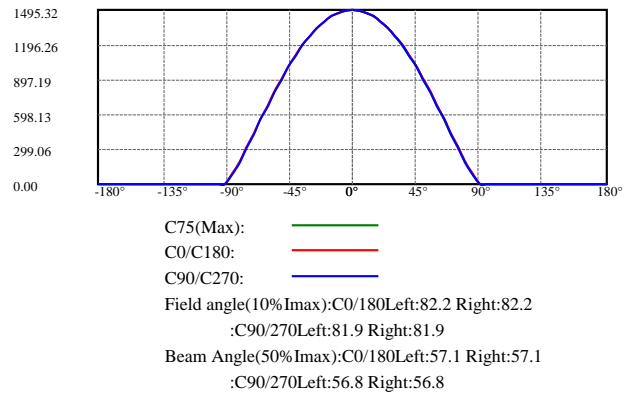
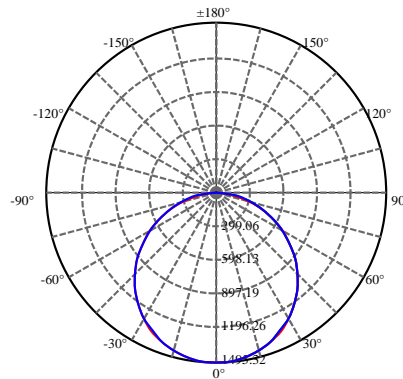
Test # LCZP17060494 / Test Date: 8/18/2017

CATALOGUE #: PLT22-EM-LED45

Summary of Results	
Total Lumen Output	4391.38 Lumens
Efficacy (Lm/W)	99.94 Lm/W

Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Phm Type	Lamp Flux
25°C (±1°C)	120.0	0.3690A	43.94W	0.9933	C	4391.4 lm

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1164.97	26.53
0-40	1912.67	43.55
0-60	3401.57	77.46
0-90	4379.18	99.72
90-180	37.07	0.84
0-180	4391.38	100.0



PHOTOMETRIC DATA

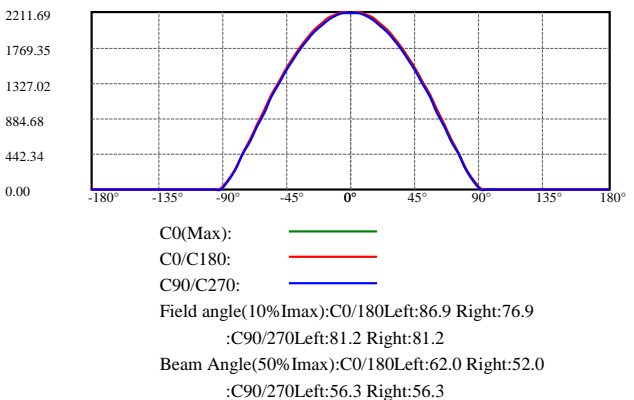
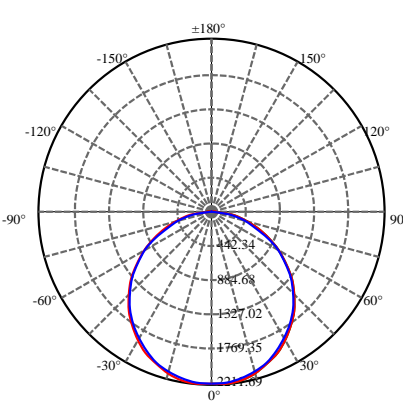
Test # LCZP17060490 / Test Date: 8/8/2017

CATALOGUE #: PLT24-EM-LED60

Summary of Results	
Total Lumen Output	6404.0 Lumens
Efficacy (Lm/W)	107.59 Lm/W

Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Phm Type	Lamp Flux
25°C (±1°C)	120.0	0.4980A	59.52W	0.9955	C	6404.0 lm

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1715.99	26.80
0-40	2814.42	43.95
0-60	4990.68	77.93
0-90	6385.30	99.71
90-180	52.46	0.82
0-180	6404.0	100.0



## LAY-IN GRID / SURFACE MOUNT KIT DIMENSIONS



**PLT22**  
2' X 2'

Lay-In Grid: 23.75" Square X 1.97"D  
Surface Mount Kit: 24.0625" Square X 2"D



**PLT14**  
1' X 4'

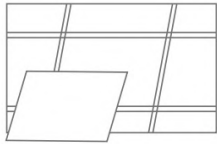
Lay-In Grid: 11.875"W X 47.75"L X 1.97"D  
Surface Mount Kit: 12.0625"W X 48"L X 2"D



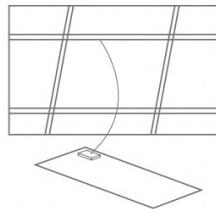
**PLT24**  
2' X 4'

Lay-In Grid: 23.75"W X 47.75"L X 1.97"D  
Surface Mount Kit: 24.0625"W X 48.0625"L X 2"D

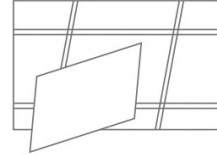
## LAY-IN GRID RECESSED INSTALLATION STEPS



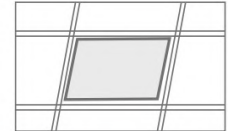
1. Remove ceiling plaster slab



2. Connect power supply

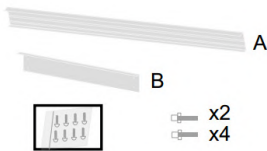


3. Fix the panel light into right place

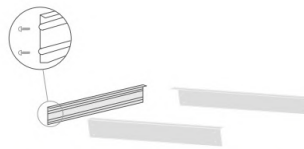


4. Stabilize the panel

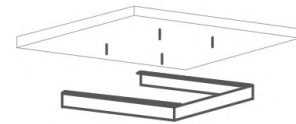
## SURFACE MOUNT KIT INSTALLATION STEPS



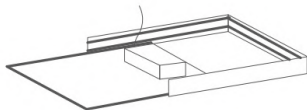
1. Take both profile A and B from accessory pack.



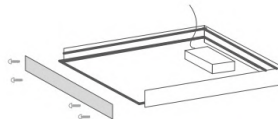
2. Assembling 3 pieces aluminum profile together with screw.



3. Fix semi-finished frame onto ceiling with screw (Plastic anchor for concrete ceiling only).



4. Slide panel into frame properly.



5. Fix the last piece of aluminum profile with screw after panel is well placed.