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## DINAM LED LIMITED

A: B-4Flr, Chuangfu Ind. Zone, Shiyuan, Shenzhen, 518108, China.

T: +86.755.2306.3529

F: +86.755.2306.3528

E: [info@dinamled.com](mailto:info@dinamled.com)

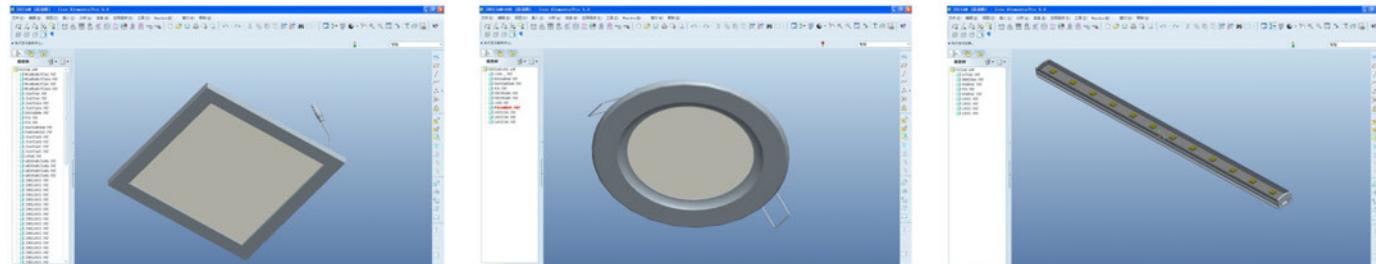
All Specifications subject to change without prior notice

**DINAM**  
DYNAMIC LIGHTING FOR COLORFUL LIFE



would like to present herself to you. Dinam started with LED modules and later extended her range to LED lightings. She has become a sophisticated manufacturer.

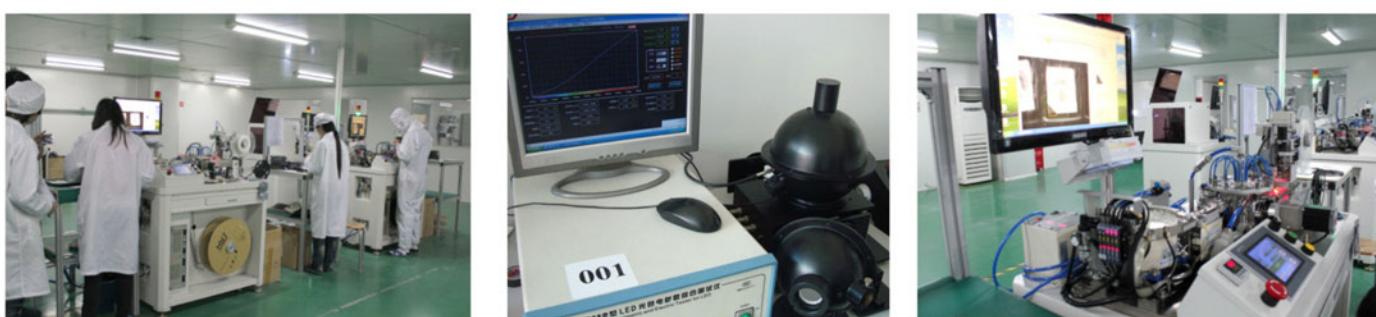
**Research and Development:** originated from OEM, we develop our own products. We are professional manufacturer with advanced lighting equipment and source design methodologies.



**LED SMD package:** we purchase high quality led chips from Taiwan, and encapsulate led chips in our factory. Therefore, we can guarantee the uniformity of color temperature, quality, and delivery time.



**Excellent production and quality control:** take panel lights for example, dots are laser engraved on the Mitsubishi light guide plate. This technology makes sure that the even and well distributed lighting effect will not change with time, while the ink printing technology will have uneven lighting effect after some months.



## Table of Contents

Company Introduction	P01
Glossary	P03

Panel light P04	Classic	3030	3060	6060	6262	30120	60120	P05/06
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SuperSlim	3030	3060	30120	6060	60120	P07/08
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CCT	3030	3060	6060	30120	P10
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Frameless	3030	3060	6060	P11
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Preface panel downlight P12	Round	95	140	170	200	275	330	P13/14
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Rectangular	100	150	180	200	250	330	P15/16
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Preface COB downlight P18	COB Concise	A	B	C	D	P19/22
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COB delicate AB	AB x1	AB x2	AB x3	AB x4	P23
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COB iSpot A	A x1	A x2	A x3	A x4	P24
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All Dinam products are designed and tested to comply with the IEC 60598 luminaire standard, and manufactured in accordance to the Quality Management System standard governed by IEC 9001:2008

#### Electrical Protection IEC 60598

-  Safety class 3: Luminaires comply with SELV electrical requirements i.e, where protection against electrical shock relies on the supply of safety extra-low voltage (SELV) and in which voltages higher than those of SELV are not generated.
-  Safety class 2: Luminaires comply with double insulated electrical requirements i.e, have complete insulation in all parts without an earthtermination. In the event of an electrical fault, no dangerous voltage can reach accessible metal parts.

#### Inflammability of Surface Protection IEC 60598

-  Luminaires are suitable for mounting directly on normally flammable surfaces such as wood and wood based materials ≥2mm thick.

#### Ingress Protection Categorisation IEC 60598 (IPXX)

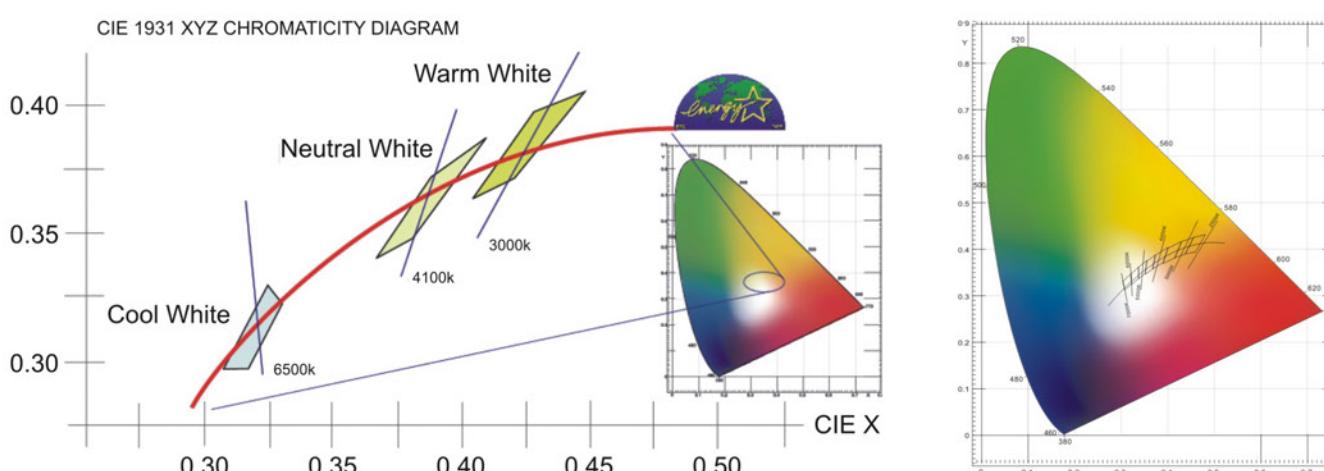
-  IP2X Protects against solid particles down to 12mm diameter  
IP6X Protects against any entry of dust- dust-tight
-  IPX0 No protection from water  
IPX2 Protects from drops of water falling up tp 15o from the vertical. Limited ingress protection  
IPX5 Protects from low-pressure jets of water from all directions. Jet-proof  
IPX7 Protects against temporary immersion down to 1m. Water-tight, not for permanent immersion  
IPX8 Protects against permanent immersion at specified water depth. Pressure water-tight



 **Lighting distribution curves** The spatial distribution of the lamp lumens results in a 3-dimensional body of light intensity distribution. A longitudinal or transverse section through this body results in a 2-dimensional light intensity distribution curve that indicates the light intensity of a luminaire for all angles of this plane. Usually, this is displayed in a polar coordinate diagram from which the main direction of the beam is recognizable, e.g. direct or indirect emission. The unit of light intensity is Candela (cd). — c0/180, — c30/210, — c60/240, — c90/270

#### Consistent Binning of Luminaries

Glossary Cool white=6500K, Warm white=3000K, Neutral white=4100K, RGB= Red(623nm), Green(525nm) and Blue(470nm).



LED panel lights, Ambient temperature tested -40°C to +50°C, IP52, Class 2. 110 degree. CRI=75Ra (90Ra option)

Material: Housing- die-cast ADC 3 alum Alloy.  
Diffuser plate- 4mm toughened fire-resist PMMA sheets, 93%transmission.  
Light guide plage- 1.2mm 99.9% pure, 3D V-cut curved Japan-made Mitsubishi LGP.  
Iridescence class3. Gasket and seals- IP52. Fixings- steel mechanical spring clips.  
Installationinterface- hot-dip zinc drilling holes on gypsum.

Finishing: Mechanical and chemical anti-corrosion treatment;  
AKZO-NOBEL, polyester, UVresistant, exterior paint system,  
thermally cured at 85°C.

Control gear: External. Magnetic, HPF (0.9), thermal overload protected for LED. IEC. Optional for purchase.

Options: Electronic, thermal and overload protected gear upon request.  
Marine environment version on request (IP68), LM6 alum. alloy.  
3000K, 4000K, 6000K, RGB. Other colours available upon request.  
Constant voltage DC24V, constant current 320mA, 700mA, 1.2A.  
Special sizes in 300x400mm, 410x410mm, 700x300mm, 700x300mm, 900x300mm, 1200x150mm.  
80Ra and 90Ra optional.

Accessories: Installation accessories P25/26

**Standards:**  
CE (EMC)  
EN 55015: 2006+A1:2007+A2:2009  
EN 61547:2009  
EN 61000-3-2:2006+A1:2009  
EN 61000-3-3: 2008

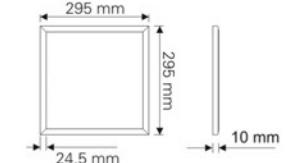
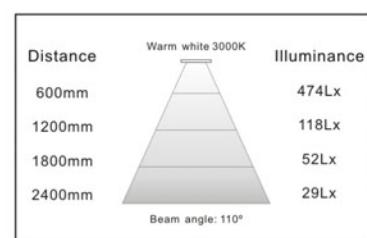
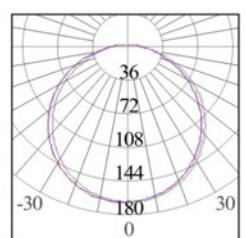
CE (LVD)  
EN60598-1:2008+A11:2009  
EN60598-2-1:1989  
EN62471: 2008

RoHS Directive: 2011/65/EU (Directive 2002/95/EC)  
EPA3050B:1996, EN1122B:2001, EPA3052:1996, EPA3060A:1996,  
EPA7196A:1992, EPA3540C:1996, EPA8270D: 2007, IEC62321:2008

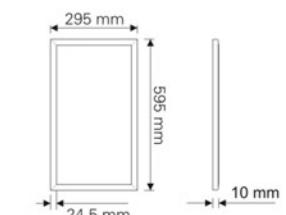
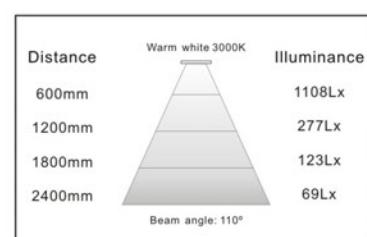
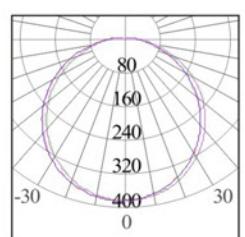


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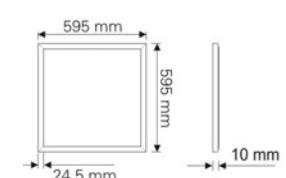
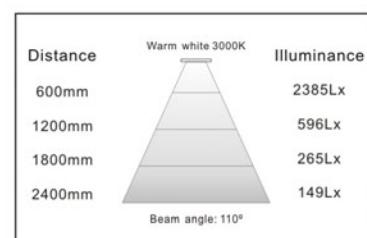
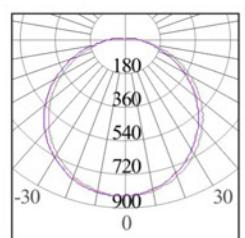
LD-PA-CV3528-S  
DC 24V  
11W/pc (13W for RGB)  
295mm\*295mm\*10mm  
1.1kg  
700lm(CW) 650lm(NW) 490lm(WW)  
RGB:108lm(R)/216lm(G)/135lm(B)

**Classic 3060****Product features:**

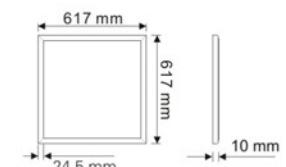
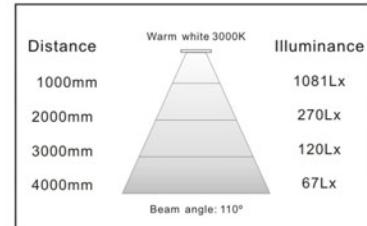
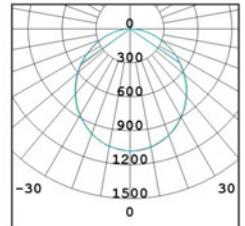
LD-PA-CV3528-R  
DC 24V  
22W/pc (26W for RGB)  
595mm\*295mm\*10mm  
2.1kg  
1680lm(CW) 1500lm(NW) 1400lm(WW)  
RGB:216lm(R)/432lm(G)/270lm(B)

**Classic 6060****Product features:**

LD-PA-CV3528-N  
DC 24V  
42W/pc (52W for RGB)  
595mm\*595mm\*10mm  
3.8kg  
3360lm(CW) 3120lm(NW) 2800lm(WW)  
RGB:432lm(R)/864lm(G)/540lm(B)

**Classic 6262****Product features:**

D-PA-CV3528-G  
DC 24V  
46W/pc (56W for RGB)  
622mm\*622mm\*10mm  
4.2kg  
3660lm(CW) 3450lm(NW) 3000lm(WW)  
RGB:463lm(R)/925lm(G)/578lm(B)



Classic 3030



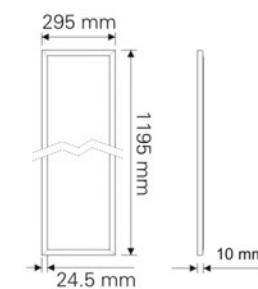
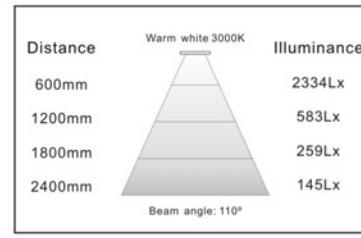
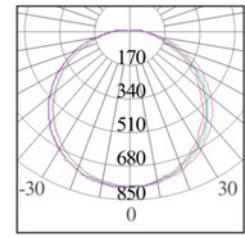
Classic 3060



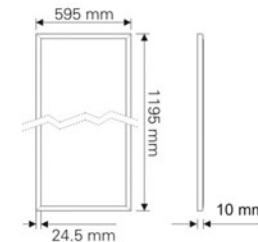
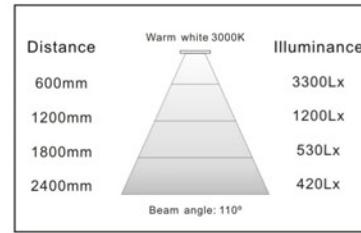
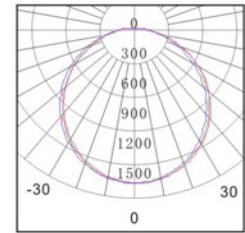
Classic 6060

**Classic 30120****Product features:**

LD-PA-CV3528-L  
DC 24V  
45W/pc (52W for RGB)  
1125mm\*295mm\*10mm  
3.8kg  
3380lm(CW) 3120lm(NW) 2840lm(WW)  
RGB:432lm(R)/864lm(G)/540lm(B)

**Classic 60120****Product features:**

LD-PA-CV3528-M  
DC 24V  
80W/pc (85W for RGB)  
1125mm\*595mm\*10mm  
7.6kg  
4850lm(CW) 4650lm(NW) 3580lm(WW)  
RGB:864lm(R)/1728lm(G)/1080lm(B)

**Frame Color Options**

Pure white



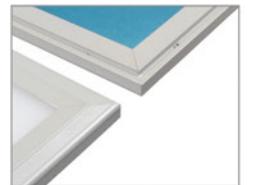
Traffic white



Signal white



White aluminum

**Frame Style Options**

Standard style



European style



Classic 6262



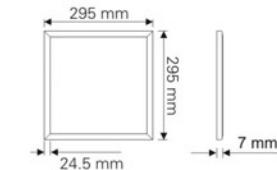
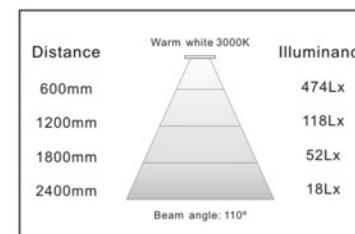
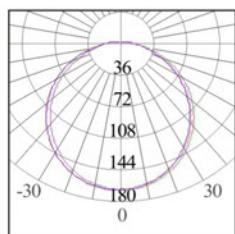
Classic 30120



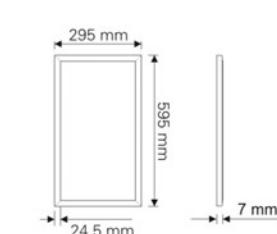
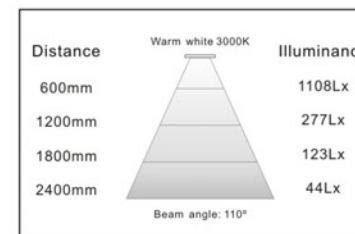
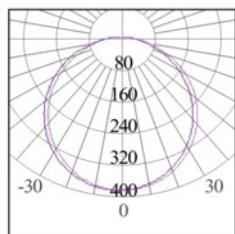
Classic 60120

**SuperSlim 3030****Product features:**

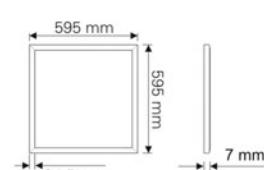
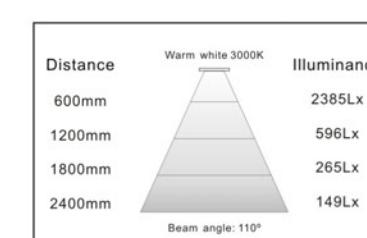
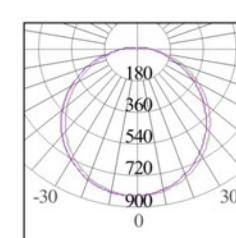
LD-PA-TD3014-S  
DC 24V  
11W  
295mm\*295mm\*7.0mm  
1.1kg  
700lm(CW) 650lm(NW) 490lm(WW)  
RGB:108lm(R)/216lm(G)/135lm(B)

**SuperSlim 3060****Product features:**

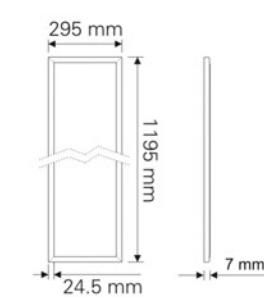
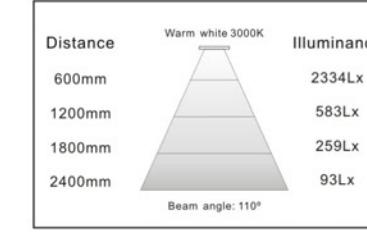
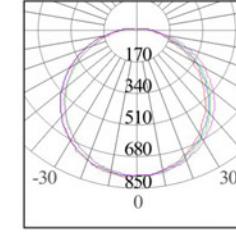
LD-PA-TD3014-R  
DC 24V  
22W  
595mm\*595mm\*7.0mm  
2.1kg  
1680lm(CW) 1500lm(NW) 1400lm(WW)  
RGB:216lm(R)/432lm(G)/270lm(B)

**SuperSlim 6060****Product features:**

LD-PA-CV3528-N  
DC 24V  
42W/pc  
595mm\*595mm\*7.0mm  
3.8kg  
3360lm(CW) 3120lm(NW) 2800lm(WW)  
RGB:432lm(R)/864lm(G)/540lm(B)

**SuperSlim 30120****Product features:**

LD-PA-TD3014-L  
DC 24V  
45W/pc  
1125mm\*295mm\*7.0mm  
3.8kg  
3380lm(CW) 3120lm(NW) 2840lm(WW)  
RGB:432lm(R)/864lm(G)/540lm(B)

**Frame Color Options**

RAL9010

Pure white

RAL9016

Traffic white

RAL9003

Signal white

RAL9006

White aluminum



Standard style

European style



SuperSlim 3030



SuperSlim 3060



SuperSlim 6060



SuperSlim 30120



LED panel lights, Ambient temperature tested -40°C to +50°C, IP52, Class 2. 120 degree. CRI=75Ra (90Ra option)

Material: Housing- 6063alum Alloy.  
Diffuser plate- 4mm toughened fire-resist PMMA sheets, 93%transmission.  
Light guide plate- 1.2mm 99.9% pure, 3D V-cut curved Japan-made Mitsubishi LGP.  
Iridescence class.

Light source for CCT-adjustable panels: Taiwan SMD3527 "2 in one" led, high bright and high sensitivity

Light source for diamond-frameless panels: Taiwan SMD2835 high bright and high sensitivity

Functions: color temperature and brightness are adjustable in a wide range. CCT from 3000K to 6000K and brightness from 0-100%.

Control gear: External. Magnetic, HPF (0.95), thermal overload protected for LED. IEC. Optional for purchase.

Options: Electronic, thermal and overload protected gear on request.  
Marine environment version on request

Accessories: Installation accessories page 25

#### Standards:

CE(EMC)  
Standards (EMC)  
EN 55015: 2006+A1:2007+A2:2009  
EN 61547:2009  
EN 61000-3-2:2006+A1:2009  
EN 61000-3-3: 2008

CE (LVD)  
EN60598-1:2008+A11:2009  
EN60598-2-1:1989  
EN62471: 2008

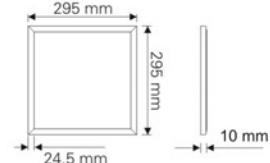
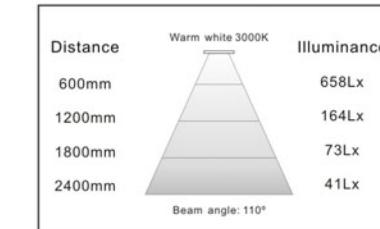
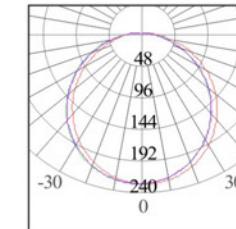
RoHS Directive: 2011/65/EU (Directive 2002/95/EC)  
EPA3050B:1996, EN1122B:2001, EPA3052:1996, EPA3060A:1996,  
EPA7196A:1992, EPA3540C:1996, EPA8270D: 2007, IEC62321:2008



#### CCT 3030

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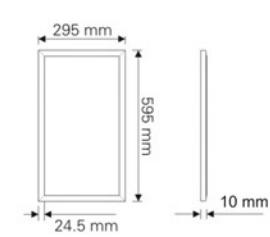
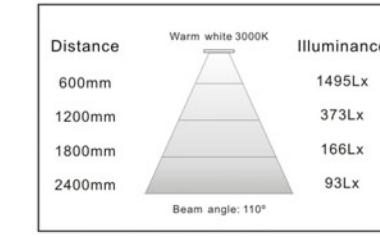
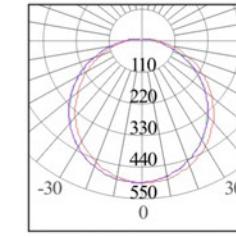
LD-PA-TC3020CW-S  
DC 24V  
11W / pc  
295mm\*295mm\*10.4mm  
1.1kg  
500lm(3000K)~650lm(6000K)  
WarmWhite~White(3000K-6000K)



#### CCT 3060

##### Product features:

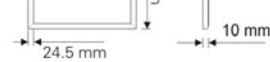
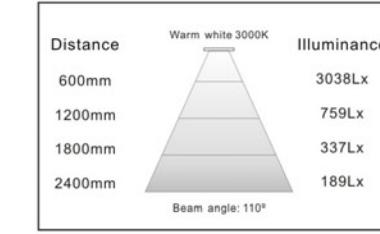
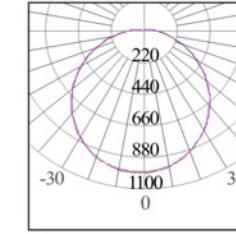
LD-PA-TC3020CW-R  
DC 24V  
22W / pc  
595mm\*295mm\*10.4mm  
2.1kg  
1120lm(3000K)~1650lm(6000K)  
WarmWhite~White(3000K-6000K)



#### CCT 6060

##### Product features:

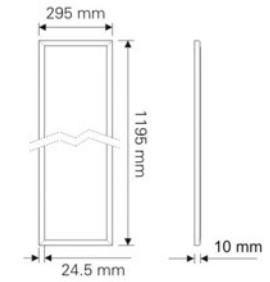
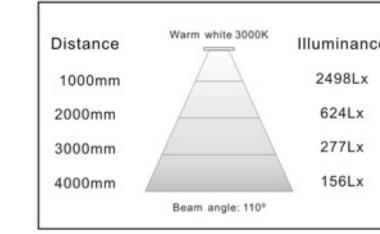
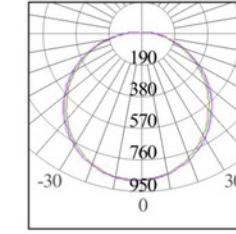
LD-PA-TC3020CW-N  
DC 24V  
42W / pc  
595mm\*595mm\*10.4mm  
3.8kg  
2200lm(3000K)~2440lm(6000K)  
WarmWhite~White(3000K-6000K)



#### CCT 30120

##### Product features:

LD-PA-TC3020CW-L  
DC 24V  
45W / pc  
1125mm\*295mm\*10mm  
3.8kg  
2200lm(3000K)~2440lm(6000K)  
WarmWhite~White(3000K-6000K)



#### Frame Color Options



Pure white



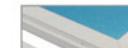
Traffic white



Signal white



White aluminum



Standard style



European style



CCT 3030



CCT 3060



CCT 6060



CCT 30120