

SPECIFICATIONS

GLS E4-P28-XX-XX

1. Part Code

GLS - E4 - P28 - XX - XX

Series _____
E4: **Total Solution for Your Lighting**

Power Class _____
P28: 28 Watt Engine

Beam Angle _____
45: 45 degree
80: 80 degree
DF: diffuse type

Voltage _____
24 : 24V
48 : 48V

2. Features

2-1 .Benefits

- Compact High-Flux light source
- IP66 protection for long life time
- Fast realization of energy efficient lighting

2-2. Applications

- High bay
- Industrial lighting
- Street lighting

2-3. Technical Features

- Powered by four high power GLS LEDs R4®
- Technical Data indicates minimum luminous flux for $T_{BASE}=40^{\circ}C$
- Up to 50,000 hours engine life time (L70)
- Dimension: 100 x 90 x 20 mm³
- IP66 protection for outdoor applications
- Assembly with M2.6 screw on metal heat sink
- 2 connecting wires 250mm

SPECIFICATIONS

GLS E4-P28-XX-XX

3. Preliminary Data Sheet



45 Degree



80 Degree



Diffuse

$T_c = 25^\circ\text{C}$

Product	Color	Number of LEDs	Voltage [V DC]	Current [mA]	Power [W]	Radiance Angle [°]	Color Temp [K]	Lum. Flux [lm]
GLS-E4-P28-45-48	white	4	48	600	28	45	5,000	2,376
GLS-E4-P28-80-48	white	4	48	600	28	80	5,000	2,376
GLS-E4-P28-DF-48	white	4	48	600	28	diffuse	5,000	2,112
GLS-E4-P28-45-24	white	4	24	1200	28	45	5,000	2,376
GLS-E4-P28-80-24	white	4	24	1200	28	80	5,000	2,376
GLS-E4-P28-DF-24	white	4	24	1200	28	diffuse	5,000	2,112

SPECIFICATIONS

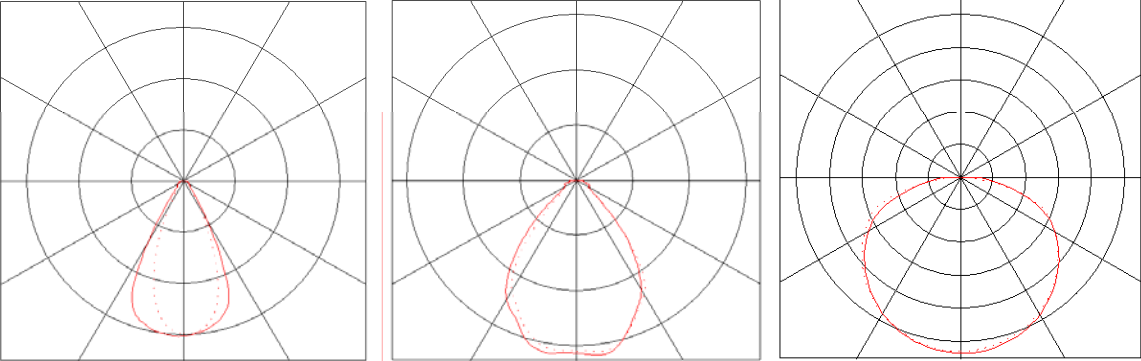
GLS E4-P28-XX-XX

4. Performance

4-1. Absolute Maximum Rating

Product	Operating Temp. at T _{BASE} -Point [°C]	Storage Temp. [°C]	Max. Current [mA dc]	Reverse Voltage [V dc]
GLS-E4-P28	-30 ~ 80	-30 ~ 80	720	0.1

4-2. Radiation Characteristics



45 Degree

80 Degree

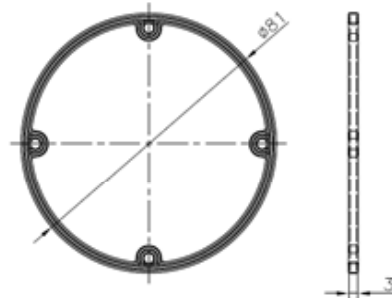
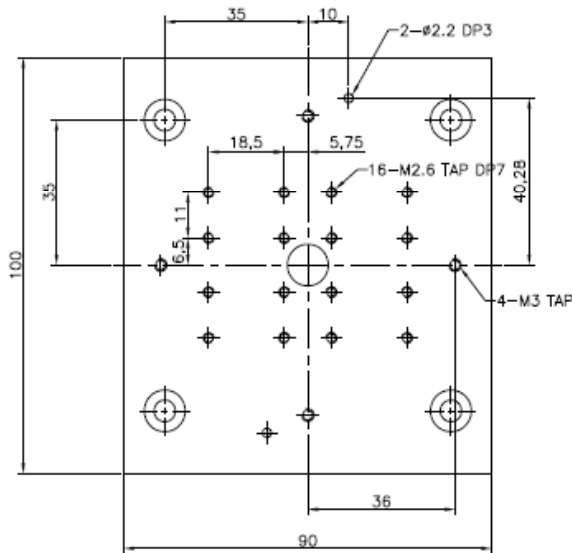
Diffuse

Approved	Checked
Hyunmin Kim 2010/5/3	Jihoon Kim 2010/5/3

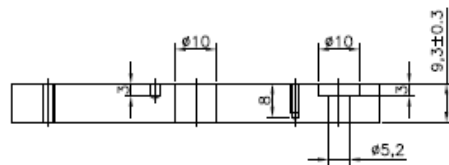
SPECIFICATIONS

GLS E4-P28-XX-XX

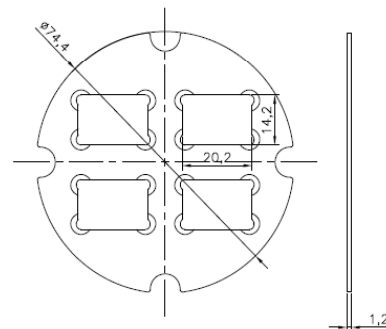
5. Drawing



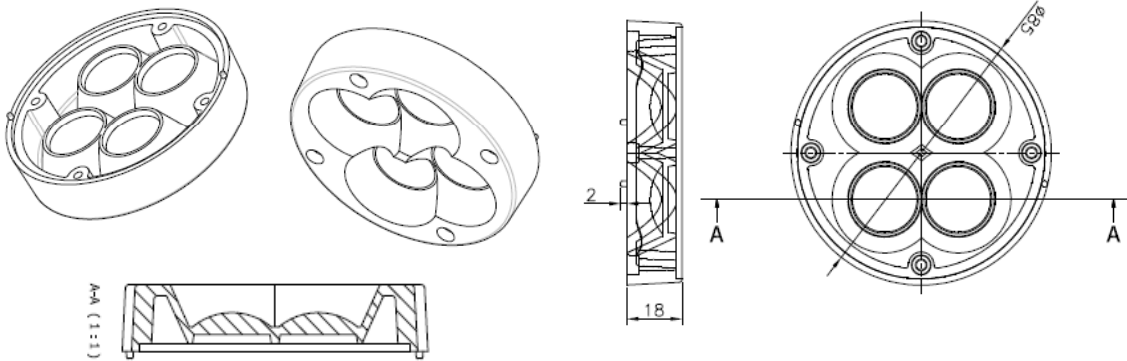
(Rubber Ring)



(Heating Plate)



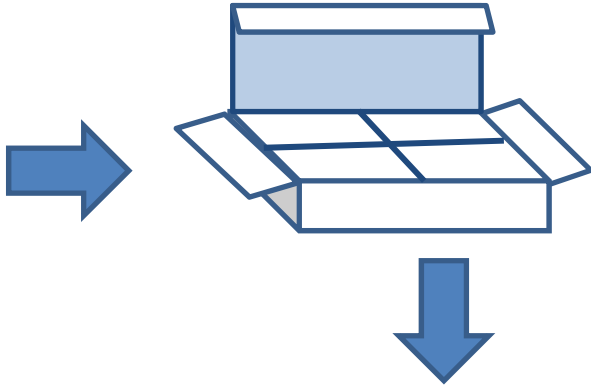
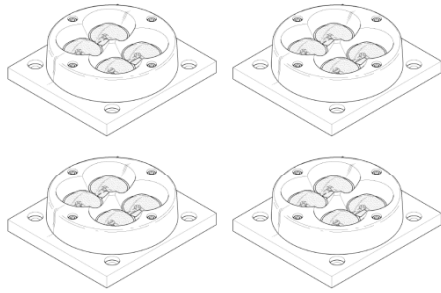
(PCB)



(LENS)

Approved	Checked
Hyunmin Kim 2010/5/3	Jihoon Kim 2010/5/3

6. Packing



< Example of Label >

