

SCOUT™ GESL

LED Explosion Proof Lighting

SCOUT™ GESL light weight and high performance LED explosion proof lighting is designed to be installed in areas where flammable gases, vapors, or dusts are present in sufficient quantities to create a risk of explosion or fire.

Compliance

ATEX Directive 2014/34/EU

II 2G Ex db IIC T6 Gb

II 2D Ex tb IIIC T80°C Db

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Zone 1,2 , Zone 21,22

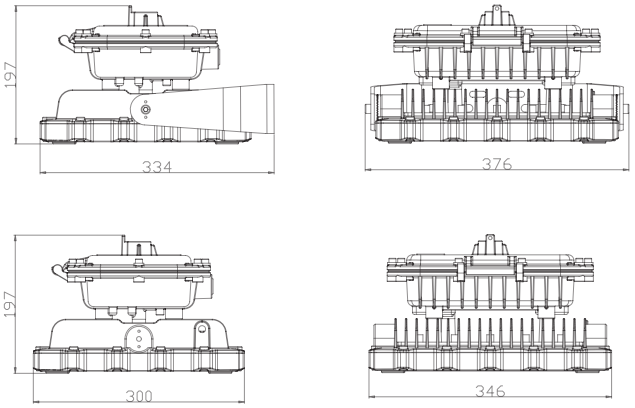
CE EMC/LVD/EMF EN62471
IP67

IK10

5G vibration

Dimensions

Dimensions in millimeters (mm)



Technical Data

Electric	
Rated Power	80W/100W/150W/200W
Input Voltage	AC100-277
Input Frequency	50/60Hz
Power Factor	› 0.95
Driver Efficiency	≥ 90%
DC output Ripple & Noise	‹200mVP-P

Optical	
Lumen Output	12800lm ~ 32000lm
Luminous Efficacy (Lumens per Watt)	150 - 160Lm/W
Beam Angle	35° / 60° / 90° / 110° / T2 / T3 / T4
Correlated Color Temperature (CCT)	2700K 3000K 4000K 5000K
CRI	Ra›70

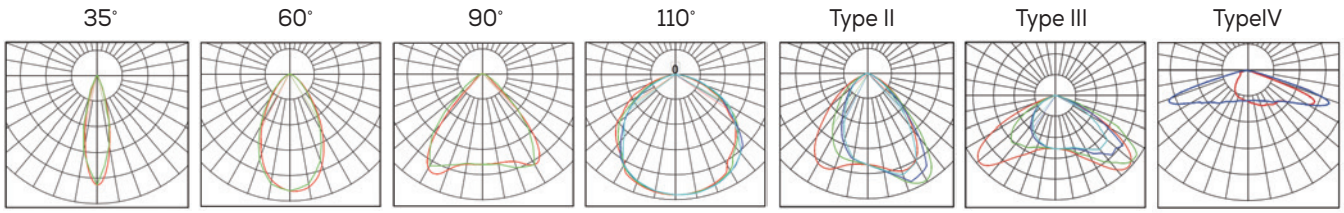
Environmental	
Ambient Operating Temperature	-40°C~+65°C (80W 100W 150W) -40°C~+60°C (200W)
Ambient Operating Humidity	10%~90% RH
Atmospheric pressure	86~106KPa

Techanical	
Lens Material	Glass
Mounting Options	Pendant / Ceiling / Wall mount / Stanchion / U-Bracket
Cable Entries	3/4" NPT, 1-1/4" NPT, 1-1/2" NPT
Net Weight	11.5kg

Warranty

5-year limited system warranty
Lumen Maintenance:150,000hours@L70

Beam Distribution



Ordering Information and Mounting Accessories

GESL	24	U	60	NW	TG	PD	GR	XX

Model
GESL

Power
13 – 12,800 lm (80w)
16 – 16,000 lm (100W)
24 – 24,000 lm (150W)
32 – 32,000 lm (200W)

Voltage
U -AC100-277V

Optics
35 - 35°
60 - 60°
90 - 90°
110 - 110°
T2 - T2
T3 - T3
T4 - T4

Color Temp
WW - 2700K (Warm white)
SW - 3000K (Soft white)
NW - 4000K (Neutral white)
CW - 5000K (Cool white)
AJC - Ajustable CCT (3000K/4000K/5000K)

Lens
TG - Transparent glass
FG - Frosted glass

Mount Style
PD – Pendant mount (3/4" NPT)
TB1 - Trunnion bracket (3/4" NPT)

Color
GR - Gray

Accessories
WGS1 - Wire guard
SC1 - Safety cable
VS1 - Dark sky visor
SP10U - 10KV surge protector (100-277V) *Standard
SP10N - 10KV surge protector (347-480V) *Standard
SP20U - 20KV surge protector (100-277V)
SP20N - 20KV surge protector (347-480V)
PBC48 - Pipe Clamp (M8*48mm) for pole Φ 1 7/8" (48mm)
PBC60 - Pipe Clamp (M8*60mm) for pole Φ 2 3/8" (60mm)

Mounting Options



PD (Standrad)
Pendant Mount
3/4" NPT
A356



TB1
Trunnion Bracket
3/4" NPT
A356

Accessories



TB1
Trunnion Bracket
3/4" NPT



WGS1
Stainless steel
wire guard



SC1
Stainless steel
safety cable



VS1
Stainless steel
dark sky visor



PBC48
Pipe Clamp (M8*48mm)
for pole Φ 1 7/8"



PBC60
Pipe Clamp (M8*60mm)
for pole Φ 2 3/8"



10KV Surge Protector
*Standard
SP10U
10KV (100-277V)
SP10N
10KV (347-480V)



20KV Surge Protector
SP20U
20KV (100-277V)
SP20N
20KV (347-480V)