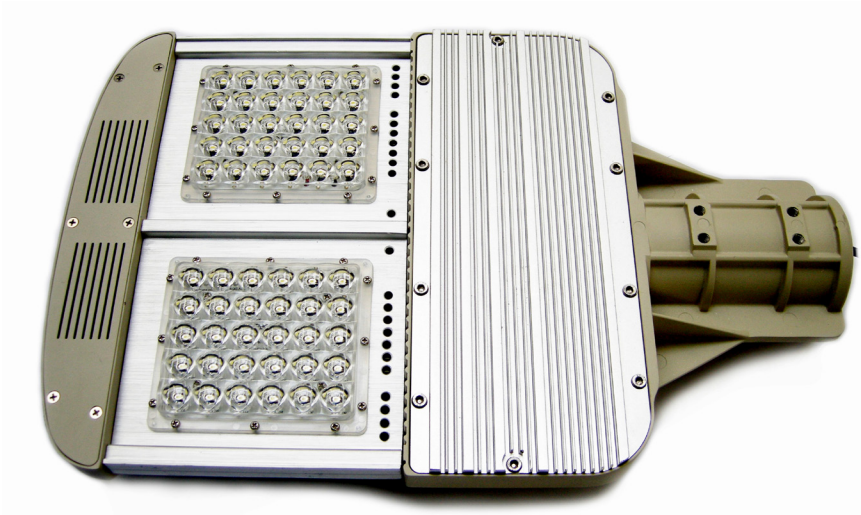


LED Street Lighting

Technical Specifications

LED Street Star - LEDSTAR75W



Design Features

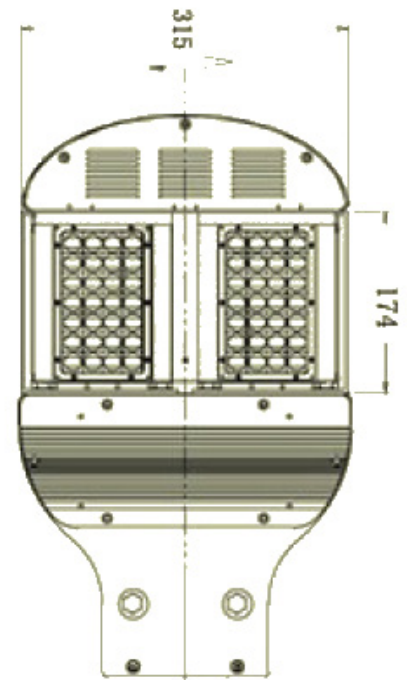
- Specially designed optics for optimum horizontal illumination spread
- Direct mount to lamp-post
- Large heat-sink extends LED life
- High power factor with integral driver - no external control gear required
- No strobe / flicker
- Instant On (soft start to prevent inrush surge)

Electrical Specifications

Input Voltage	100 - 240v AC
Real Power	75 Watts
Power Factor	>0.9

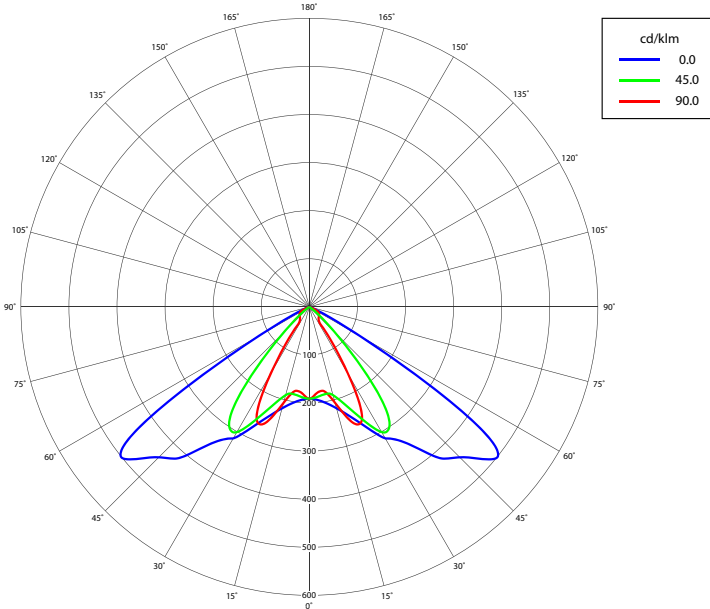
Light Output Specifications

Lumen Output	4800 Lumens (6500K)
Viewing Angle	Horizontal: 120° Vertical: 60°
Colour Temperatures	4000K, 6500K
Colour Rendering	>75 Ra
LED Efficiency	>80 lm/W
Design Operational Life	>50,000 hours
LED Power	60 Watts
Sodium Lamp Equivalent	150W to 250W



LED Street Star - LEDSTAR75W

Photometric Data



Initial Flux	4800lm
Beam Angle	Horizontal: 120° Vertical: 60°
Beam Pattern	Asymmetric Bat Wing, Rectangular Beam

Average Lux Levels & Effective Illuminated Area

6m Vertical Distance	20m x 8m > 26 LUX (max 52 LUX)
8m Vertical Distance	26m x 10m > 15 LUX (max 30 LUX)
10m Vertical Distance	33m x 13m > 9 LUX (max 18 LUX)
12m Vertical Distance	40m x 16m > 6 LUX (max 12 LUX)

LED Street Star - LEDSTAR 35W - Compact



The new LED Street Star Retrofit range of lamps are drop in replacements for traditional flood illumination lamps such as SON/SOX lamps.

The lamps have been engineered to give correct illumination spreads when used in traditional street lighting applications.

They are direct equivalents to 75 watt SON lamps and in many applications are good replacements for 150 watt SON lamps due to their solely directional nature of their light output.

Design Features

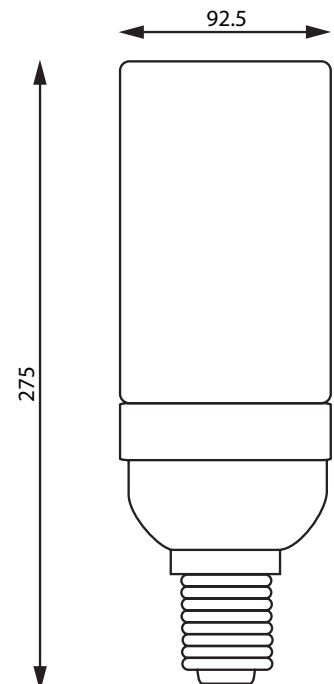
- Specially designed optics for optimum horizontal illumination spread
- Rotatable lamp base allows for adjustable positioning in fitting
- Large heat-sink extends LED life
- High power factor with integral driver - no external control gear required
- Drop in replacement, with only current control gear needing to be bypassed / removed
- No strobe / flicker
- Instant On (soft start to prevent inrush surge)
- Available in E40 (GES) and E27 (ES) bases

Electrical Specifications

Input Voltage	100 - 240v AC
Real Power	35 Watts
Power Factor	>0.9

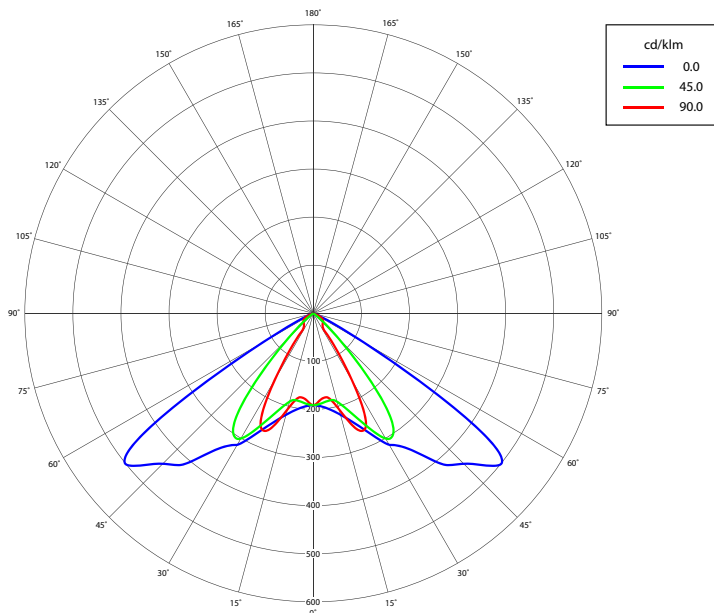
Light Output Specifications

Lumen Output	2200 Lumens (6500K)
Viewing Angle	Horizontal: 120° Vertical: 60°
Colour Temperatures	4000K, 6500K
Colour Rendering	>75 Ra
LED Efficiency	>80 lm/W
Design Operational Life	>50,000 hours
LED Power	28 Watts
Sodium Lamp Equivalent	75W to 150W



LED Street Star - LEDSTAR 35W - Compact

Polar Intensity Curve



Initial Flux	2400lm
Beam Angle	Horizontal: 120° Vertical: 60°
Beam Pattern	Asymmetric Bat Wing, Rectangular Beam

Average Lux Levels & Effective Illuminated Area

6m Vertical Distance	20m x 8m > 13 LUX (max 26 LUX)
8m Vertical Distance	26m x 10m > 7.5 LUX (max 15 LUX)
10m Vertical Distance	33m x 13m > 4.5 LUX (max 9 LUX)
12m Vertical Distance	40m x 16m > 3 LUX (max 6 LUX)

LED Street Star - LEDSTAR 20W - Compact



The new LED Street Star Retrofit range of lamps are drop in replacements for traditional flood illumination lamps such as SON/SOX lamps.

The lamps have been engineered to give correct illumination spreads when used in traditional street lighting applications.

They are direct equivalents to 35 watt SON lamps and in many applications are good replacements for 75 watt SON lamps due to their solely directional nature of their light output.

Design Features

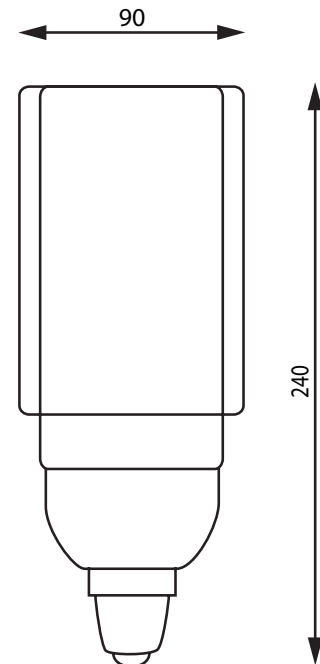
- Specially designed optics for optimum horizontal illumination spread
- Rotatable lamp base allows for adjustable positioning in fitting
- Large heat-sink extends LED life
- High power factor with integral driver - no external control gear required
- Drop in replacement, with only current control gear needing to be bypassed / removed
- No strobe / flicker
- Instant On (soft start to prevent inrush surge)
- Available in E40 (GES) and E27 (ES) bases

Electrical Specifications

Input Voltage	100 - 240v AC
Real Power	20 Watts
Power Factor	>0.9

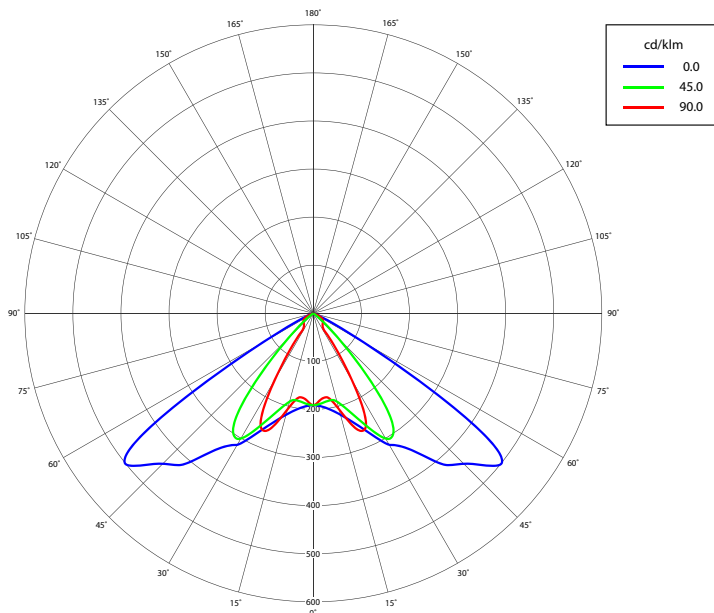
Light Output Specifications

Lumen Output	1400 Lumens (6500K)
Viewing Angle	Horizontal: 120° Vertical: 60°
Colour Temperatures	4000K, 6500K
Colour Rendering	>75 Ra
LED Efficiency	>80 lm/W
Design Operational Life	>50,000 hours
LED Power	18 Watts
Sodium Lamp Equivalent	35W to 75W



LED Street Star - LEDSTAR 20W - Compact

Polar Intensity Curve



Initial Flux	1450lm
Beam Angle	Horizontal: 120° Vertical: 60°
Beam Pattern	Asymmetric Bat Wing, Rectangular Beam

Average Lux Levels & Effective Illuminated Area

6m Vertical Distance	20m x 8m > 8 LUX (max 16 LUX)
8m Vertical Distance	26m x 10m > 5 LUX (max 10 LUX)
10m Vertical Distance	33m x 13m > 3 LUX (max 6 LUX)
12m Vertical Distance	40m x 16m > 2 LUX (max 4 LUX)