

This weatherproof outdoor projector is equipped with the latest LED technology and is passively cooled without a fan. The projector is connected via a watertight connection tube. This budget-priced entry level model is suitable for year-round outdoor use or for damp interiors. The projector is especially suitable for outdoor projections on facades or portals, messages on pavements or areas in pedestrian zones – up to a diameter of about 10 feet. The projection motif (gobo) can be changed without tools.

### Construction

housing: ..... aluminium, steel, powder coated  
 weight (standard equipment): ..... 3.0 kg | 6.61 lbs  
 On / Off switch: ..... not available  
 IP-rating of the housing ..... IP 64

### Operating Conditions

application area ..... outdoor locations, humid interiors  
 ambient temperature: ..... -30°C - +35°C  
 cooling: ..... passive, noiseless, 0 dBA

### Light Source and Optics

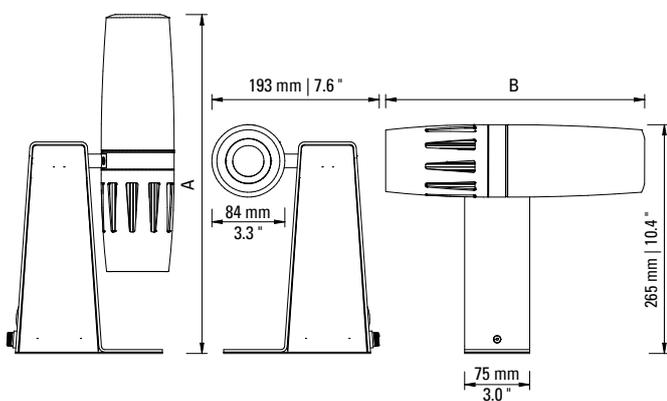
light source: ..... High Power LED, 22 W  
 luminous flux of the projector: ..... 1,574 lumens  
 efficiency: ..... 54 lumens / watt  
 colour temperature: ..... 6,300 – 6,700 K  
 colour rendering index: ..... Ra >70  
 estimated lifetime of the LED (L70): ..... 35,000 operating hours  
 projection lens: ..... Standard Lens, f=85 mm (included)  
 gobo size / image size: ..... Ø 50.0 mm / Ø 40.0 mm  
 photobiological safety (ICE62471-5:2015, EN62471-5:2015): ..... RG-2

### Electrical Specifications

input voltage: ..... 110 - 120V AC, 50/60 Hz  
 power consumption: ..... 29 W  
 power factor: ..... 0.5 cos. φ  
 electrical protection class: ..... I  
 max. number of devices per circuit breaker B16A/C16A: ..... 4/7  
 device is dimmable: ..... no

**Item No.:** 20025410 (white), 20025420 (black), 20025430 (silver)

**Additional Accessories:** individual glass gobo according to your digital artwork, Extra Wide Angle Lens, f=45 mm, Wide Angle Lens, f=63 mm, Telephoto Lens, f=135 mm



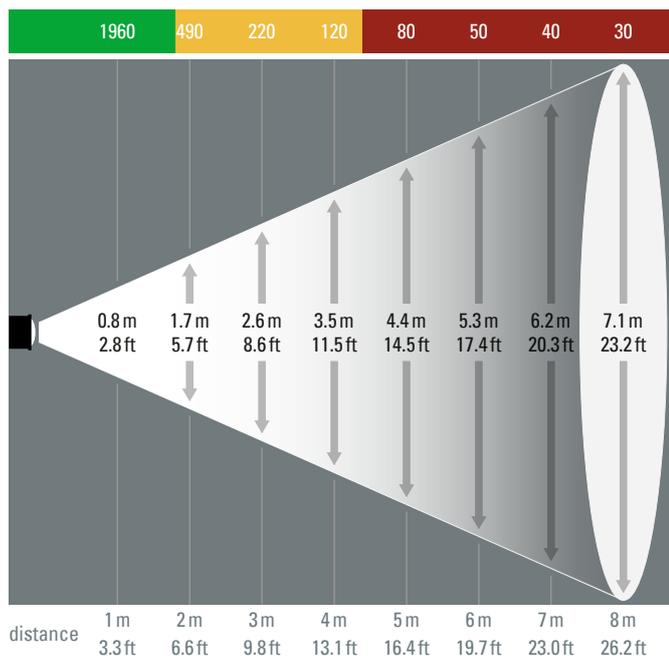
| Projection Lens           | Height A        | Width B         |
|---------------------------|-----------------|-----------------|
| Extra Wide Angle, f=45 mm | 417 mm   16.4 " | 322 mm   12.7 " |
| Wide Angle, f=63 mm       | 394 mm   15.5 " | 298 mm   11.7 " |
| Standard, f=85 mm         | 394 mm   15.5 " | 298 mm   11.7 " |
| Telephoto, f=135 mm       | 465 mm   18.3 " | 370 mm   14.6 " |



# PHOS 25 outdoor – Photometric Diagrams

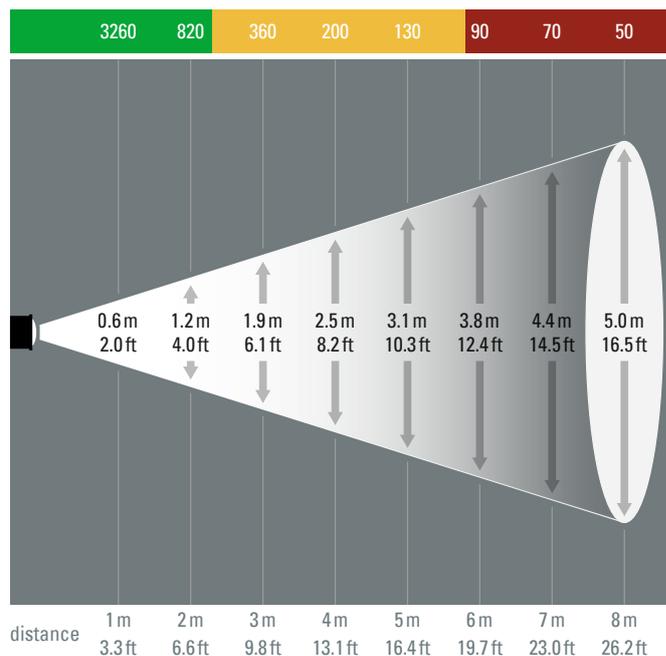
## PHOS 25, Extra Wide Angle Lens, f = 45 mm, 48°

illuminance [lux]



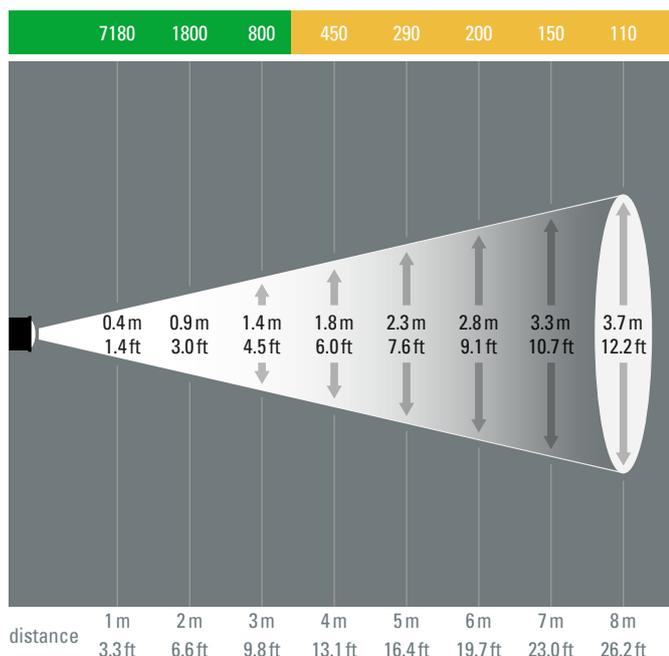
## PHOS 25, Wide Angle Lens, f = 63 mm, 35°

illuminance [lux]



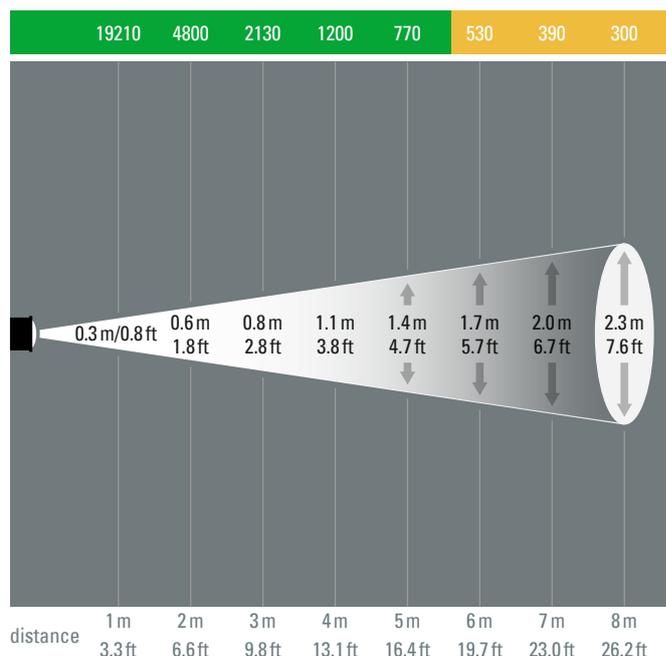
## PHOS 25, Standard Lens, f = 85 mm, 26°

illuminance [lux]



## PHOS 25, Telephoto Lens, f = 135 mm, 17°

illuminance [lux]



### Brightness Colour Coding:

- = with standard room lighting, suitable for coloured motifs
- = in low-light rooms, for motifs without colour
- = recommended only in darkened rooms

- The results shown are approximate values. The result may differ slightly in reality.
- The projection sizes indicate the maximum diameter that can be projected with a Ø 40 mm image.
- The projection motif is circular and fills the image area of the gobo. Other objects, e.g. rectangles or texts are fitted into the circular projection area.
- The projection is at right angles to the projection surface.

Detailed projection calculator at: [www.derksen.de](http://www.derksen.de)

derksen®  
lichttechnik

Derksen Lichttechnik GmbH  
Johannes-Rau-Allee 4  
45889 Gelsenkirchen  
Germany

Tel.: +49 209 98070-0  
info@derksen.de  
www.derksen.de