

This weatherproof outdoor projector is equipped with the latest LED technology and is passively cooled without a fan. An external ballast is supplied, which is connected to the projector via waterproof cabling. PHOS 25 pole mount 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. The projection motif (gobo) can be changed without tools.

Construction

housing: aluminium, steel, powder coated
 weight (standard equipment): 3.2 kg | 7.05 lbs
 On / Off switch: not available
 IP-rating of the housing IP 65

Operating Conditions

application area outdoor locations, street lighting poles
 ambient temperature: -30°C - +35°C
 cooling: active, with a fan, 26 dBA

Light Source and Optics

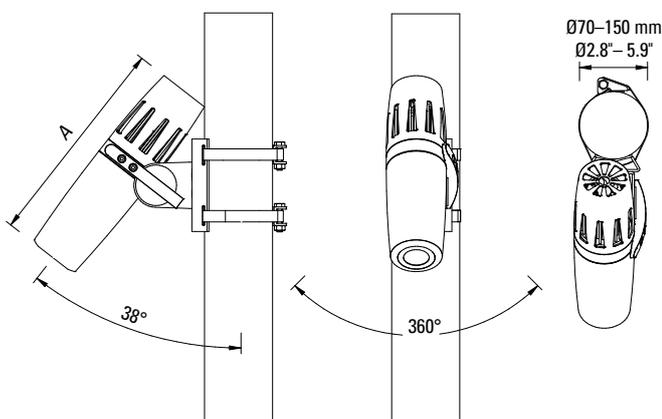
light source: High Power LED, 80 W
 luminous flux of the projector: 4,729 lumens
 efficiency: 55 lumens / watt
 colour temperature: 6,300 – 6,700 K
 colour rendering index: Ra >70
 estimated lifetime of the LED (L70): 35,000 operating hours
 projection lens: Standard Lens, f=85 mm (included)
 gobo size / image size: Ø 50.0 mm / Ø 40.0 mm
 photobiological safety (ICE62471-5:2015, EN62471-5:2015): RG-2

Electrical Specifications

input voltage: 220 - 240V AC, 50/60 Hz
 power consumption: 86 W
 power factor: 0.97 cos. φ
 electrical protection class: I
 max. number of devices per circuit breaker B16A/C16A: 2/4
 device is dimmable: no

Item No.: 20085510 (white), 20085520 (black), 20085530 (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



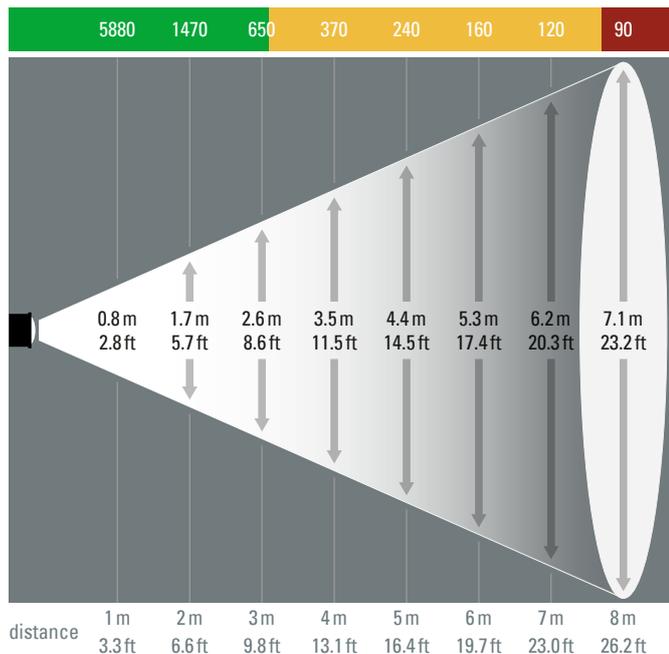
Projektion Lens	Size A
Extra Wide Angle, f=45 mm	322 mm 12.7"
Wide Angle, f=63 mm	298 mm 11.7"
Standard, f=85 mm	298 mm 11.7"
Telephoto, f=135 mm	370 mm 14.6"



PHOS 85 pole mount – Photometric Diagrams

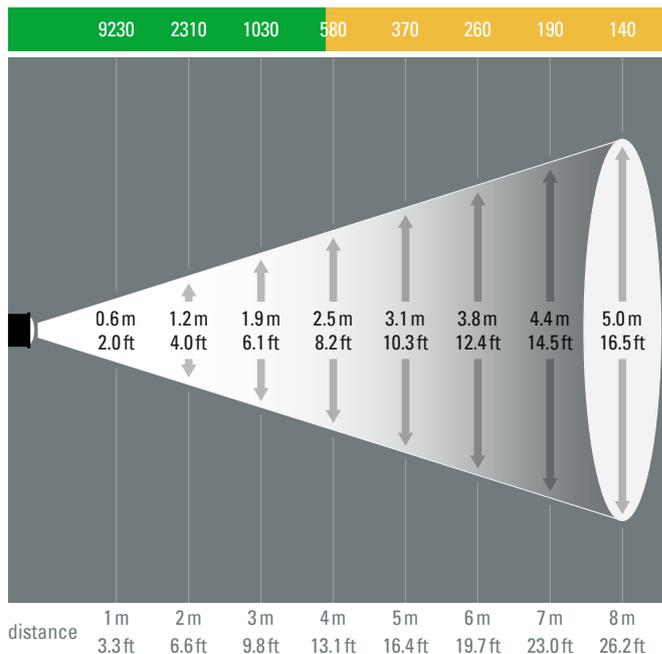
PHOS 85, Extra Wide Angle Lens, f = 45 mm, 48°

illuminance [lux]



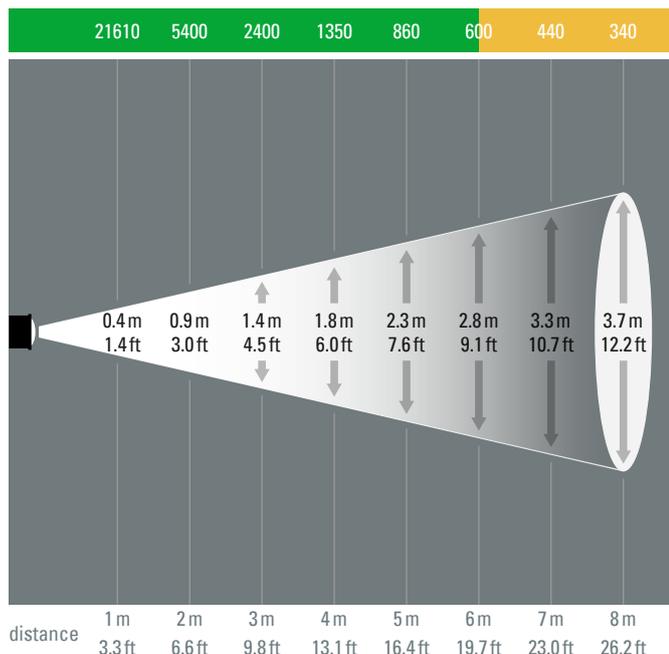
PHOS 85, Wide Angle Lens, f = 63 mm, 35°

illuminance [lux]



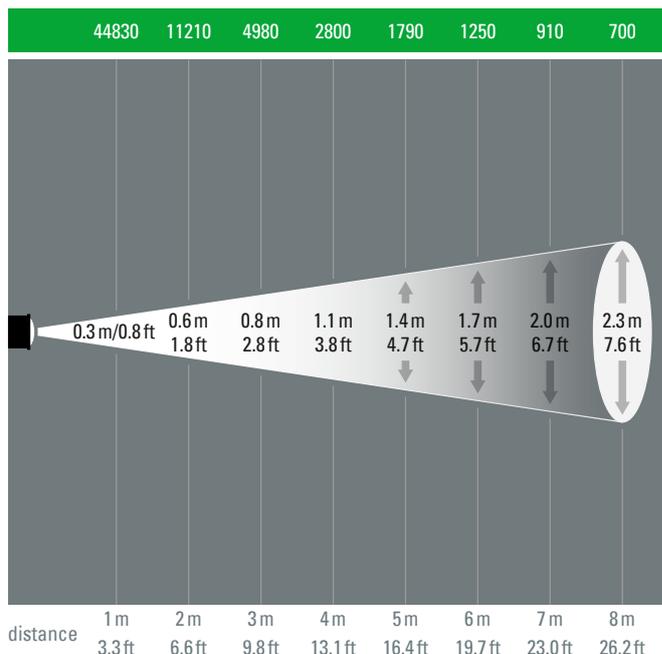
PHOS 85, Standard Lens, f = 85 mm, 26°

illuminance [lux]



PHOS 85, 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

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