



The 40 Watt High-Power LED of PHOS 45s pole mount provides extra power. With its special holder the projector can be attached to poles or tubes and is suitable for year-round outdoor use or for damp interiors. The ballast is already integrated in the housing. The projector is connected via a watertight connection tube. PHOS 45s pole mount is especially suitable for outdoor projections on facades or portals, messages on pavements or areas in pedestrian zones – up to a diameter of about 4 m (13 feet). The projection motif (gobo) can be changed without tools.

Construction

housing: aluminium, steel, powder coated
 weight (standard equipment): 4.0 kg | 8.82 lbs
 On / Off switch: not available
 IP-rating of the housing IP 64

Operating Conditions

application area outdoor locations, street lighting poles
 ambient temperature: -30°C - +35°C
 cooling: active, with a fan, 25 dBA

Light Source and Optics

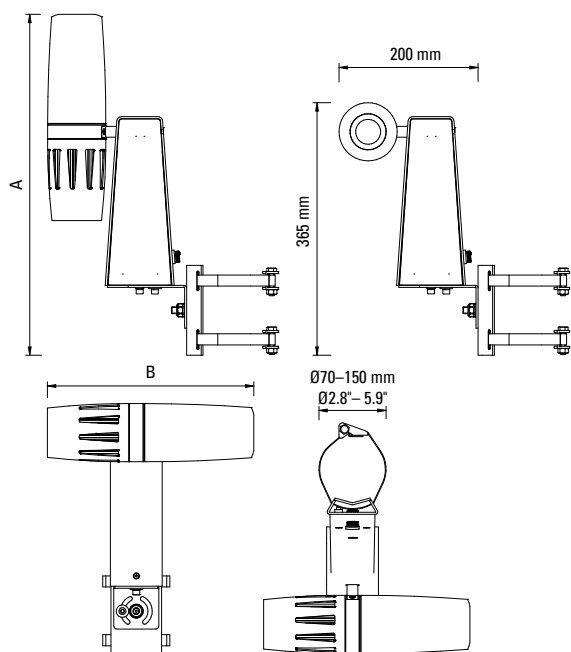
light source: High Power LED, 40 W
 luminous flux of the projector: 2,388 lumens
 efficiency 47 lumens / watt
 colour temperature: 6,300 – 6,700 K
 colour rendering index: Ra >70
 estimated lifetime of the LED (L70): 35,000 operating hours
 projection lens: Standard Lens, f=85 mm (included)
 gobo size / 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: 51 W
 power factor: 0.5 cos. φ
 electrical protection class: I
 max. number of devices per circuit breaker B16A/C16A: 2/4
 device is dimmable: no

Item No.: 20045610 (white), 20045620 (black), 20045630 (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



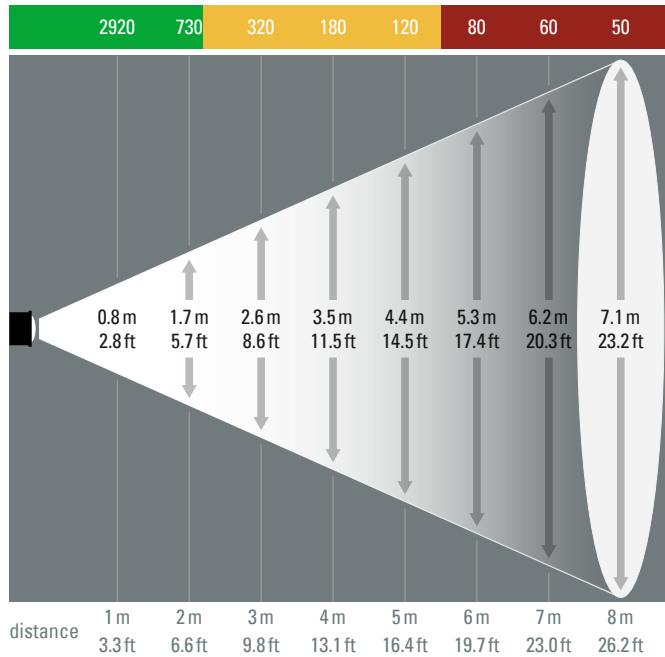
Projektion Lens	Size A	Size B
Extra Wide Angle, f=45 mm	516 mm 20.3"	322 mm 12.7"
Wide Angle, f=63 mm	493 mm 19.4"	298 mm 11.7"
Standard, f=85 mm	493 mm 19.4"	298 mm 11.7"
Telephoto, f=135 mm	564 mm 22.2"	370 mm 14.6"



PHOS 45s pole mount – Photometric Diagrams

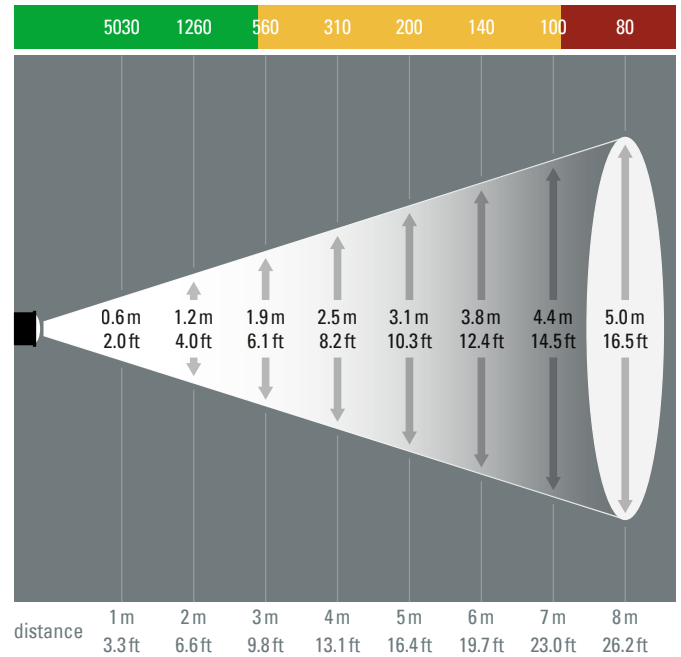
PHOS 45, Extra Wide Angle Lens, f = 45 mm, 48°

illuminance [lux]



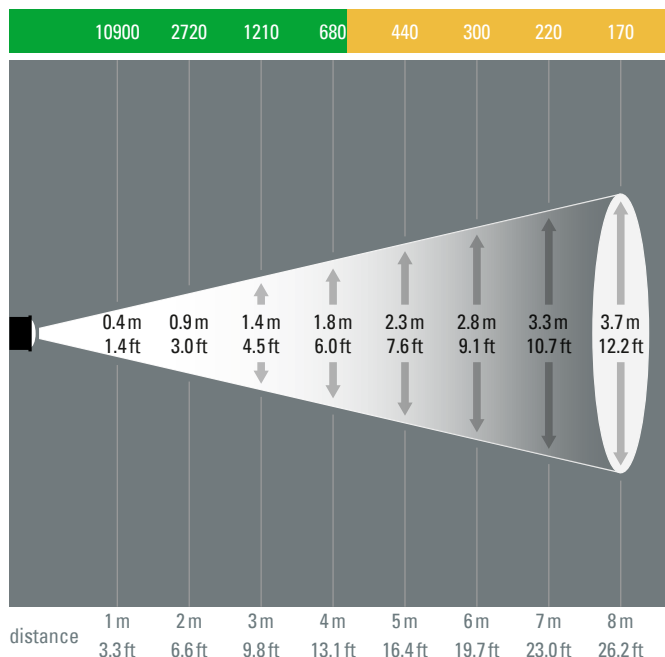
PHOS 45, Wide Angle Lens, f = 63 mm, 35°

illuminance [lux]



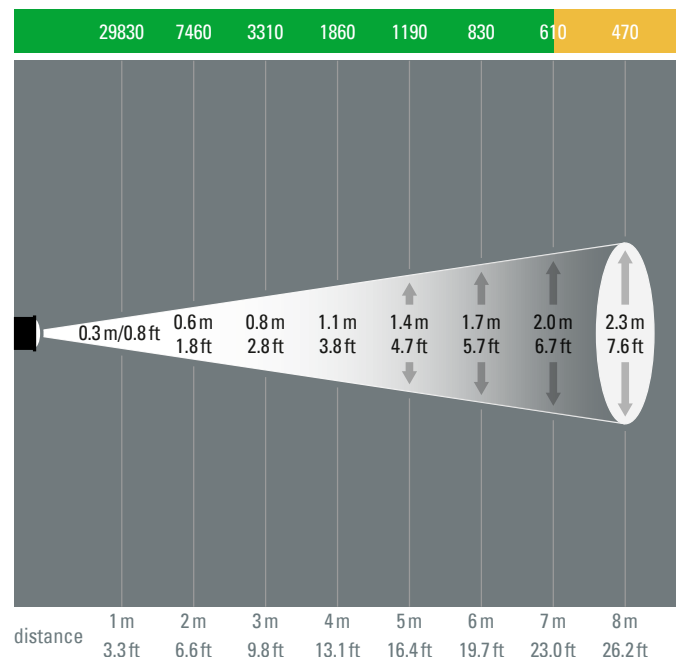
PHOS 45, Standard Lens, f = 85 mm, 26°

illuminance [lux]



PHOS 45, 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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