dnp Ultra Contrast POS Screen™ 50" - 70"

Are you looking for a dynamic POS display that is bigger than a normal plasma screen. A screen with much higher brightness that only costs a fraction and offers far better black level? Then the dnp Ultra Contrast Screen for Point of Sale / Signage is exactly what you need!

dnp optical rear projection screens

The UCS POS Screen is an advanced optical rear projection screen optimized for dynamic display applications in bright Point of Sale and Signage environments.

The screen incorporates special technologies that enhance contrast and reject ambient light and is therefore suitable for use in extreme bright environments.

The UCS POS Screen displays bright, sharp images over a broad viewing area, offering passers-by a clear view from all angles. Once their attention is caught, the ultrafine resolution allows the screen to be viewed at very close range. And the easy-clean front surface makes it suitable for applications where the screen is likely to be touched – e.g. in a shop environment.

The UCS POS Screen is as standard available in sizes up to 70" in 4:3 format and up to 65" in 16:9.

> A true eye-catcher for passers-by
> Ultra high image brightness and contrast
> Superb viewing angles and resolution
> Screen sizes up to 70"
> Easy to install and maintain
> Cost effective
> Compatible with all single lens projectors

Application suitability	
Auditorium/sports arena	★
Conference room	★ ★
Control room	★
TV studio	★ ★ ★
Advertising – in-store	★ ★ ★ ★ ★ ★
Advertising – window display	★ ★ ★ ★ ★ ★
Home entertainment – bright living room	★ ★
Home entertainment – darkened home theatre	★

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Specifications

Product details

Ultra Contrast Screen Type		Conventionel fresnel non off-set			Off-axis fresnel screen 85% off-axis Long focal length	108% off-axis Short focal length
Screen size		50"	60"	70"	60"	70"
Frame outer dimensions						
Width	mm	1076	1279	1482	1279	1482
Height	mm	822	974	1127	974	1127
Thickness	mm	30	30	30	30	30
Weight (screen incl. frame)	kg	5.8	8.5	10.6	8.5	10.6
Width	inch	42.4	50.4	58.4	50.4	58.4
Height	inch	32.4	38.4	44.4	38.4	44.4
Thickness	inch	1.18	1.18	1.18	1.18	1.8
Weight (screen incl. frame)	lbs	2.6	3.9	4.8	3.9	4.8
Image area						
Width	mm	1016	1219	1422	1219	1422
Height	mm	762	914	1067	914	1067
Center off-set	mm	0	0	0	320	640
Width	inch	40	48	56	48	56
Height	inch	30	36	42	36	42
Center off-set	inch	0	0	0	13	25
Projection information						
Rec. lens throw ratio	ltr	1,4-1.9:1	1.18-1.6:1	1.0-1.34:1	1.18-1.6:1	0.86-1,14:1
Rec. projection distance*	mm	1440-2000	1440-2000	1440-2000	1440-2000	1220-1700
Rec. projection distance	inch	57-79	57-79	57-79	57-79	48-67
Optical specifications						
Focal length	mm	1600	1600	1600	1600	1355
Focal length	inch	63	63	63	63	53

*General tolerance = -10/+25%, related to the actual screen focal length. The tolerance only applies to individual installations
Other focal lengths and screen sizes are available on request.
Subject to change without notice. Please check specification at time of ordering.

Specifications

Accessory

Type	Floor stand for 50" UCS POS Screen	Floor stand for 60" UCS POS Screen	Floor stand for 70" UCS POS Screen	Wire kit for various UCS POS screen sizes	10 m extra wire
Product No.	7080	7080	7081	7082	7083

Flore stand

Width – outside	(A)	mm	1221	1424	1627	
Width - inside	(B)	mm	1176	1379	1582	
Height	(C)	mm	2090	2090	2270	
Hight to screen centre	(D)	mm	Variable	Variable	1700	
Base width	(E)	mm	300	300	400	
Base depth	(F)	mm	84.5	84.5	84.5	
Width – outside	(A)	inch	48	56	64	
Width - inside	(B)	inch	46.3	54.3	62.3	
Height	(C)	inch	82.3	82.3	89.4	
Hight to screen centre	(D)	inch	Variable	Variable	Variable	
Base width	(E)	inch	11.8	11.8	15.7	
Base depth	(F)	inch	3.3	3.3	3.3	

Wire kit

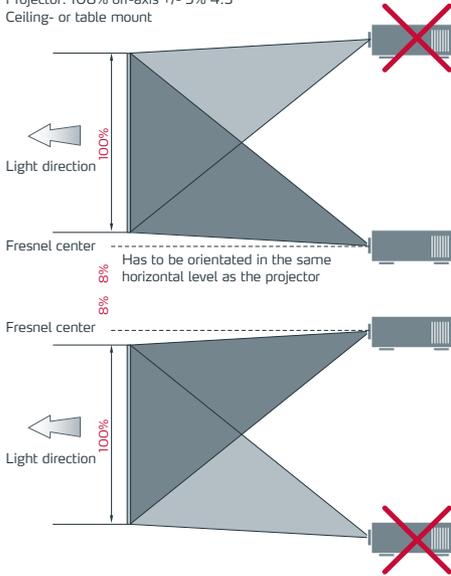|						
Wire distance	(Z)				Variable	
Number of wires					2	1
Lenght of wire on each side		m			5	10
Lenght of wire on each side		inch			0.2	0.4

Floor stand

Wire kit

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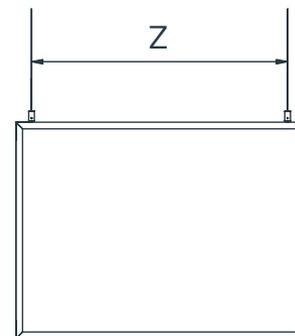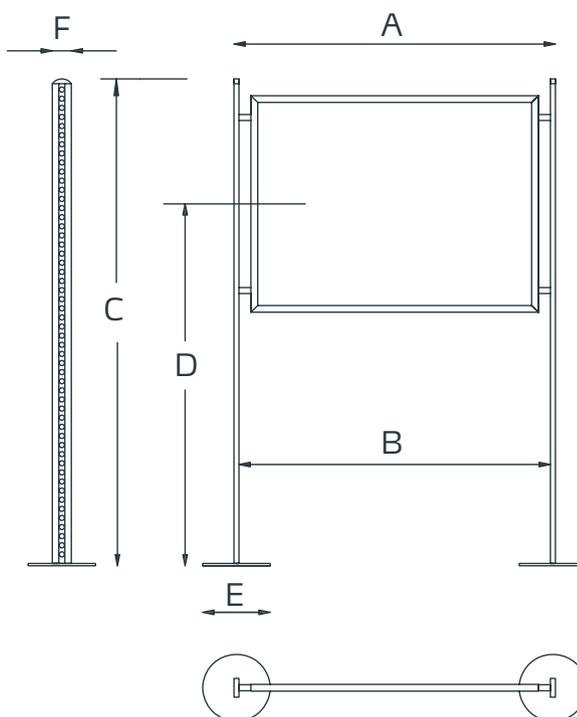
Short focal off-axis screen

Screen: 108% center off-set
Projector: 108% off-axis +/- 5% 4:3
Ceiling- or table mount

100%

Light direction

Fresnel center

8%

Has to be orientated in the same
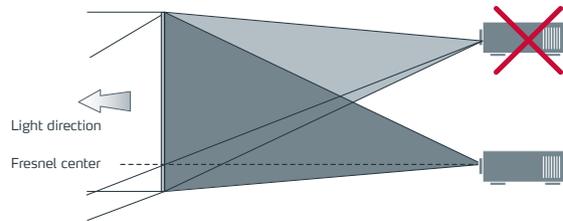horizontal level as the projector

8%

Fresnel center

100%

Light direction

Long focal off-axis screen

Screen: 85% center off-set upsite
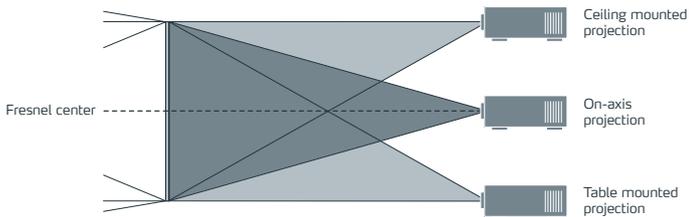Projector: Can be 85% off-axis +/- 15%. Ceiling mounted

Fresnel center

Light direction
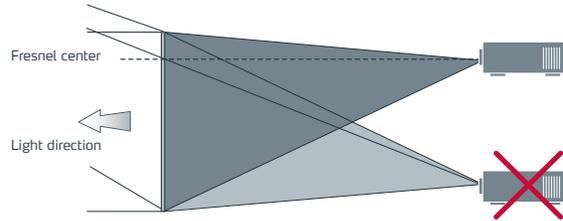
Screen: 85% center off-set - down site
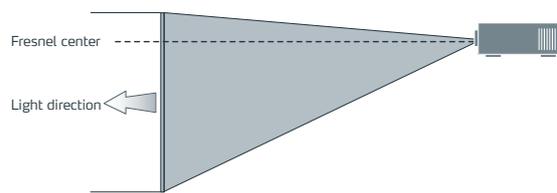Projector: Can be 85% off-axis +/- 15%. Table mounted

Light direction

Fresnel center

Conventional screen
with different available focal and non center off-set
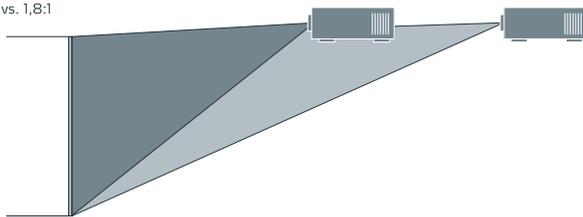
Projector: 100% off-axis. Ceiling-, table mount or on-axis

Ceiling mounted
projection

Fresnel center

On-axis
projection

Table mounted
projection

Short focal vs. long focal screen

Lens throw 1:1 vs. 1,8:1

Center off-set vs. non off-set

Screen: 85% center off-set upsite
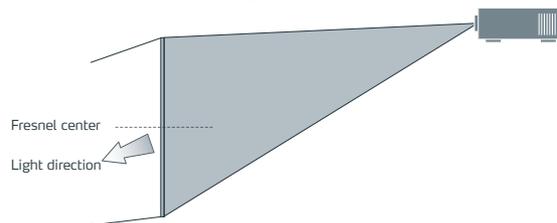Projector: Can be 85% off-axis +/- 15%. Ceiling- or table mounted

Fresnel center

Light direction

Screen: Non center off-set
Projector: Can be 113% off-axis, Ceiling- or table mounted

Fresnel center

Light direction

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General information

Screen profile (horizontal section)

The Fresnel lens on the rear element refracts projected light directly through the screen. The reverse UCS lenticular lenses on the front element distribute the light horizontally, enhance contrast and reduce the impact of ambient light.

ambient light refraction

rear side

front side

Tinted layer
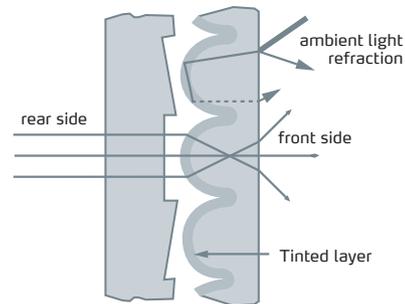
General specifications

Optical specifications	Peak Gain	Pitch
Peak gain	3.5 +/-0.5	2.7 +/-0.5
Lenticular pitch	0.14	0.14

Included in the package

Screen, gloves, quality certificate

Certificates

UL

RoHS
2002/95/EC

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