



PHOS
ENGINEERING LIGHT

NANO OCCULAR MICRO PLATE
STANDARD

NANO OCCULAR MICRO PLATE - STANDARD

The Nano Occular Micro Plate is an incredibly small spotlight featuring a simple 3-screw mounting plate to enable the driver to be mounted in the ceiling void behind.

PRODUCT FEATURES

Spotlight

Adjustable

Interior

LED

IP54

Available in all Phos finishes

Interchangeable optics & accessories (pre & post install)

PHOS STANDARDS

UK designed, manufactured and assembled

5 year warranty

OPTICS

Standard beam angles:
20°/ 30°/ 40°/ 55°

PHYSICAL PROPERTIES

Diameter $\varnothing 36\text{mm}$

Height 81mm

Cut-out $\varnothing 12\text{mm}$

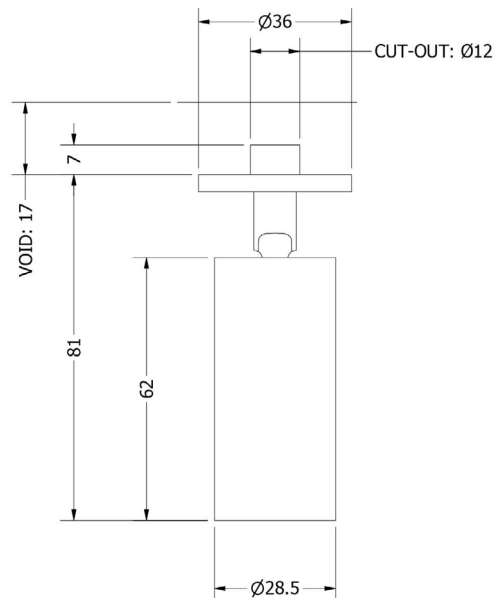
Tilt Max 90°

Rotation 360°

PRODUCT VIEW



DIMENSIONS



TECHNICAL SPECIFICATIONS (Preliminary testing data)

| CCT | 2700K | | | | | | | |
|---------------------------|-------|-----|------|------|------|-----|-----|-----|
| Wattage | 1W | | | | 3W | | | |
| Beam Angles | 20° | 30° | 40° | 55° | 20° | 30° | 40° | 55° |
| Luminaire Lumens (lm) | 103 | 107 | 77.2 | 83 | 243 | 249 | 192 | 208 |
| Circuit Watts (c/W) | 2.6 | 2.7 | 2.6 | 2.6 | 5.7 | 5.8 | 5.8 | 5.7 |
| Luminaire Efficacy (l/cW) | 39 | 40 | 30 | 32 | 43 | 43 | 33 | 37 |
| Luminance (Cd) | 577 | 292 | 126 | 92.5 | 1395 | 717 | 316 | 232 |
| Forward Voltage (Vf) | 2.78 | | | | 2.97 | | | |
| Current (mA) | 350 | | | | 1050 | | | |

| CCT | 3000K | | | | | | | |
|---------------------------|-------|-----|------|------|------|-----|-----|-----|
| Wattage | 1W | | | | 3W | | | |
| Beam Angles | 20° | 30° | 40° | 55° | 20° | 30° | 40° | 55° |
| Luminaire Lumens (lm) | 113 | 115 | 86.2 | 89.8 | 263 | 273 | 209 | 222 |
| Circuit Watts (c/W) | 2.7 | 2.6 | 2.6 | 2.6 | 5.7 | 5.7 | 5.7 | 5.8 |
| Luminaire Efficacy (l/cW) | 42 | 43 | 33 | 34 | 46 | 48 | 37 | 39 |
| Luminance (Cd) | 593 | 307 | 138 | 102 | 1443 | 795 | 342 | 252 |
| Forward Voltage (Vf) | 2.78 | | | | 2.97 | | | |
| Current (mA) | 350 | | | | 1050 | | | |

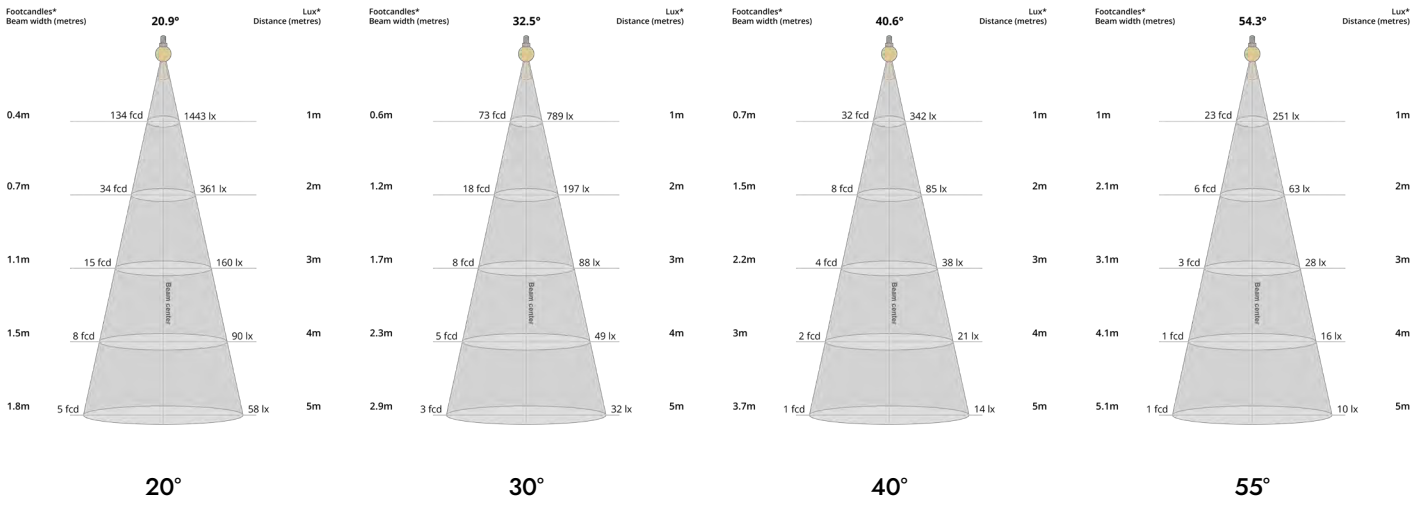
| | |
|-------------------|-------------------|
| Binning | 2 step MacAdams |
| CRI | 90+ |
| TM-30-15 | Rg 96.87 Rf 91.58 |
| Lumen Maintenance | LM80 |
| Lifetime | 50,000 hours |

| | |
|-----------------------|--|
| Dimming Options | Mains dim / Non-dim / 0-10V / DALI (dim to dark 0.01%) / Casambi |
| Flicker Index | 0 |
| SVM: (Visual Flicker) | 0.02 |

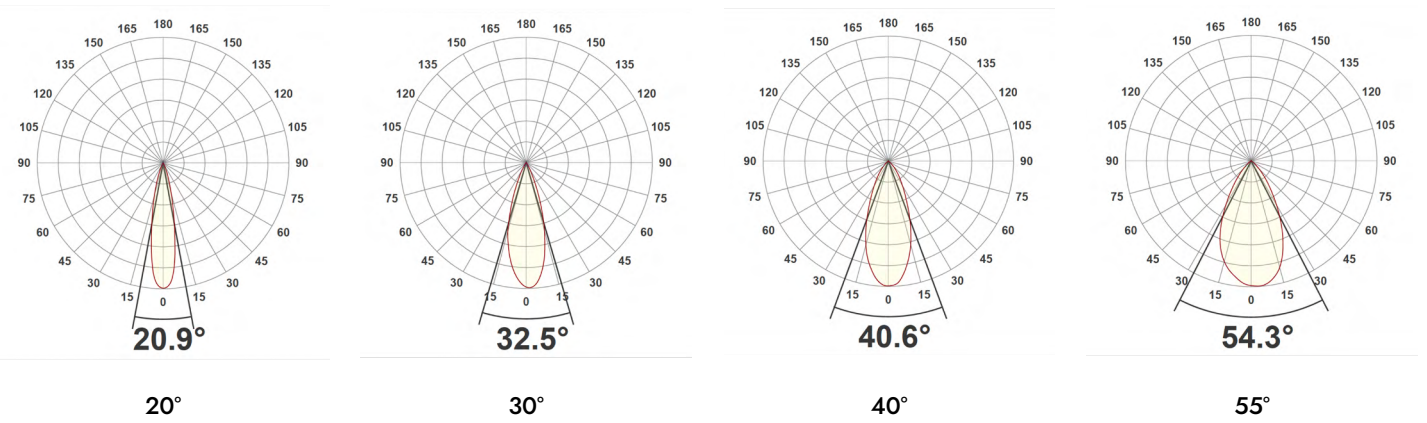
| | |
|------------------------------|---|
| Driver distance from fitting | Up to 10m (AWG 20)* |
| Wiring Type | Series |
| Accessories | Remote emergency (Maintained / Self Test) |

*If driver distance from fitting is +10m see driver configurator document for guidance

LIGHT CONES



POLAR CURVES



PARTCODE BUILDER

Example Code: NA-OC-MP-WT/WT/WT/WT-STD1-30-90-20-350

| Family | Variant | Mount Finish | Arm Finish | Body Finish | Inner Baffle Finish | Engine | Power | CCT | CRI | Beam Angle | Driver Current |
|------------|--------------------------------|----------------------|----------------------|----------------------|----------------------|-----------------|-------------|-------------|-----|------------|----------------|
| NA Nano | OC-MP Ocular Micro Plate | WT White Textured | WT White Textured | WT White Textured | WT White Textured | STD Standard | 1 Watts | 27 2700K | 90 | 20 | 350 |
| | | B1 Anodised Black | B1 Anodised Black | B1 Anodised Black | B1 Anodised Black | | 30 3000K | 30 | | | |
| | | *C Custom | *C Custom | *C Custom | *C Custom | | 3 Watts | 40 | | 1050 | |
| | | | | | | | | 55 | | | |

*Codes for custom finishes can be found on the page 6.

ACCESSORIES (multiple inserts available per fitting)



Commissioning Tool (Plastic)
ACCS-TOOL-P-BAFFLE



SNOOT
ACCS-SNOOT



Honeycomb Recessed
ACCS-RECESSED-HCOMB



Honeycomb Flush
ACCS-FLUSH-HCOMB



Softening Insert Recessed
ACCS-RECESSED-SOFT



Softening Insert Flush
ACCS-FLUSH-SOFT



Opal Insert Recessed
ACCS-RECESSED-OPAL



Opal Insert Flush
ACCS-FLUSH-OPAL



Elliptical Insert Recessed
ACCS-RECESSED-10X60ELLIPTICAL



Elliptical Insert Flush
ACCS-FLUSH-10X60ELLIPTICAL



Colour Change Insert Recessed
ACCS-RECESSED-FILTER18K
ACCS-RECESSED-FILTER22K
ACCS-RECESSED-FILTER24K
ACCS-RECESSED-FILTER25K



Colour Change Insert Flush
ACCS-FLUSH-FILTER18K
ACCS-FLUSH-FILTER22K
ACCS-FLUSH-FILTER24K
ACCS-FLUSH-FILTER25K

FINISHES

Every element of your light can be finished in any of the options below:

PLATED (Interior ONLY)



Antique Bronze
01



Antique Brass
02



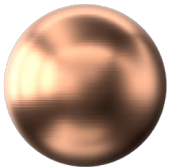
Polished Chrome
03



Satin Nickel
04



Polished Copper
05



Satin Copper
06

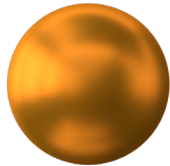


Polished Brass
09

ANODISED (Interior ONLY, except Orba Exteriors)



Tuba Brass
11



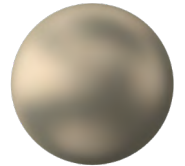
Antique Gold
12



Espresso Bronze
13



Cocoa Bronze
14



Ice Gold
15



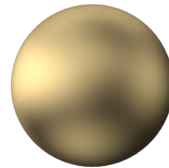
Mocha Bronze
16



Taupe Bronze
17



24K Gold
18



Champagne Gold
19



Anodised Black (9005)
B1

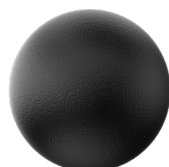
POWDER COAT (Interior & Exterior)



Pure White (9010)
W1



Textured White (9010)
WT



Textured Black (9005)
BT



RAL Classic
www.phos.co.uk/finishes



RAL Design
price on application