

# Small Square Parabolic Reflector Design Helpsheet (Cut and stick!)

<http://www.robtaylorcase.com/Calc/para> for calculator and further information (URL case sensitive)

robtaylorcase.com/Calc/para

**Parabolic Reflector Calculator For Softboxes**

Does all the long-winded, repetitive trigonometry... So you don't have to!

Diameter of softbox: 15 cm

Depth of softbox (recommended: 47cm): 5 cm

Number of sections (recommended: 8 to 12): 8

$d/l$	$w$ (4-sided)	$w$ (8-sided)
0	0	0
0.940749576468148	1.875	0.7766504294522559
0.9663528810041392	3.75	1.5533008589047117
1.015625	5.625	2.3299512883570674
1.085347186675766	7.5	3.1066017178094234
1.171875	9.375	3.8832521472617794
1.271828590702895	11.25	4.659902576714135
1.3821723447620415	13.125	5.436553006166491
1.5007322431483239	15	6.21320343618847

diameter: 15cm

depth: 5cm

number of sections: 8

$d/l$	$w$ (4-sided)	$w$ (8-sided)
0.00	0.00	0.00
0.94	1.88	0.78
0.97	3.75	1.55
1.02	5.63	2.33
1.09	7.50	3.11
1.17	9.38	3.88
1.27	11.25	4.66
1.38	13.13	5.44
1.50	15.00	6.21

$d/l$  values

$w$  values  
for square  
softboxes

$w$  values  
for octabanks

