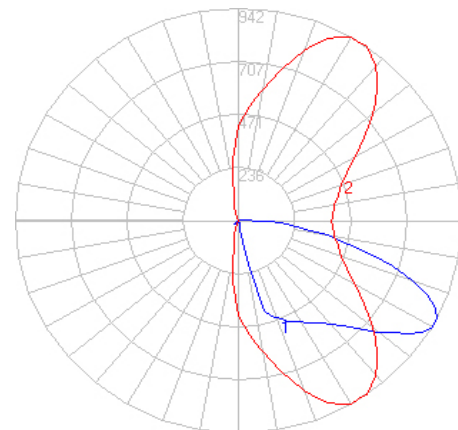


BEGA

File: 84462K4_BEGA_IES.ies

TEST: BE_84462K4
 TEST LAB: BEGA
 DATE: -
 LUMINAIRE: 84 462K4
 LAMP: 11.5W LED



Characteristics

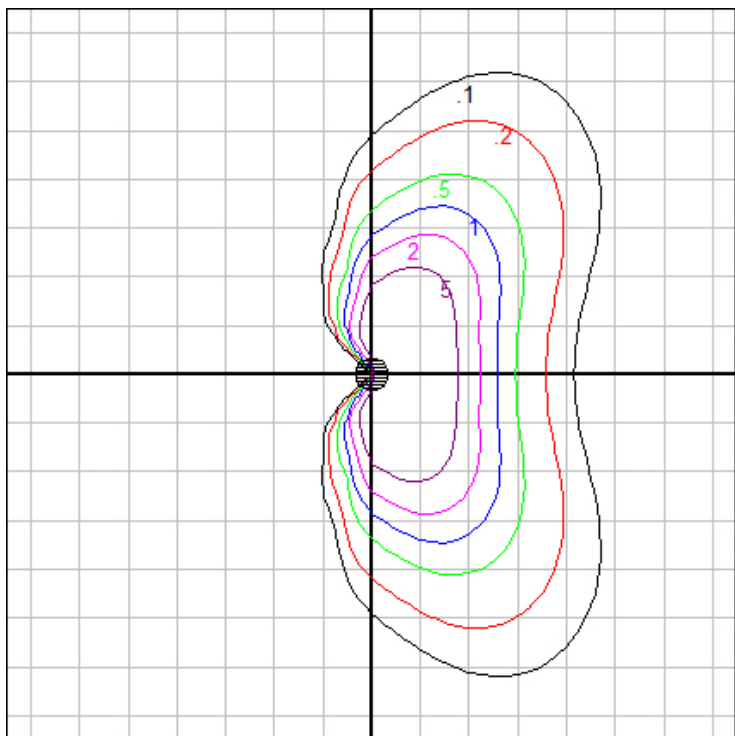
IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1514
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	18
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	942.3 (300H, 60V)
Max. Cd. (<90 Vert.)	942.3 (300H, 60V)
Max. Cd. (At 90 Deg. Vert.)	81.4 (5.4%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	375.4 (24.8%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)
?	

Lum. Classification System (LCS)

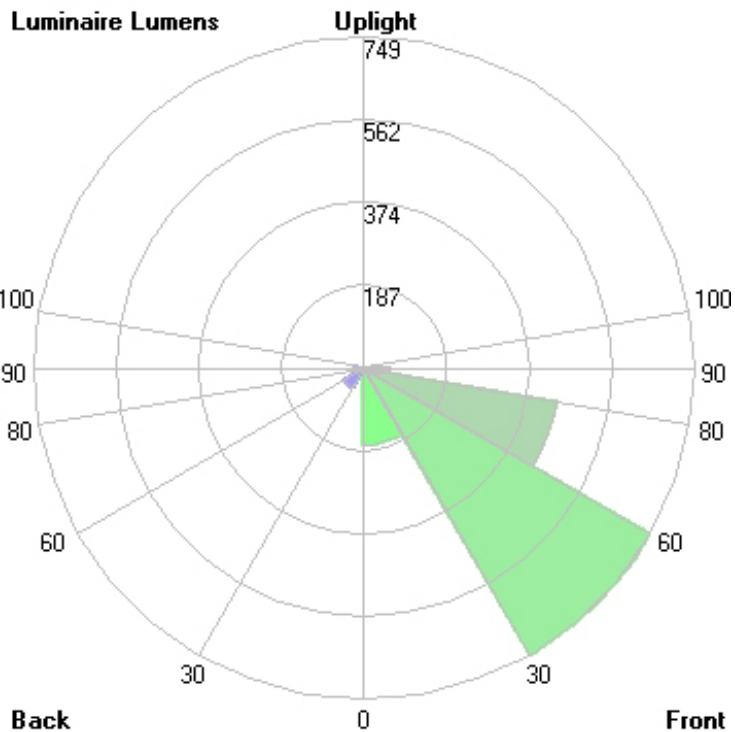
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	173.3	N.A.	11.4
FM (30-60)	748.8	N.A.	49.5
FH (60-80)	442.4	N.A.	29.2
FVH(80-90)	58.7	N.A.	3.9
BL (0-30)	4.7	N.A.	0.3
BM (30-60)	51.6	N.A.	3.4
BH (60-80)	25.5	N.A.	1.7
BVH(80-90)	1.6	N.A.	0.1
UL (90-100)	7.0	N.A.	0.5
UH (100-180)	0.2	N.A.	0.0
Total	1513.8	N.A.	100.0

BUG Rating B0-U0*-G1

*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has opaque sides, there is no significant uplight ($\leq 0.5\%$), and it has therefore been assigned a value of U0. Consult factory for more information



Grid Spacing: 3 ft.

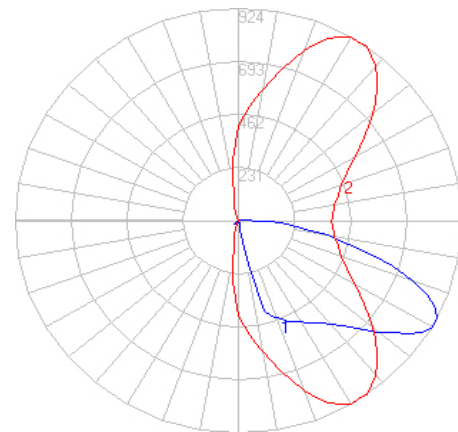


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 84462K35_BEGA_IES.ies

TEST: BE_84462K4
 TEST LAB: BEGA
 DATE: -
 LUMINAIRE: 84 462K35
 LAMP: 11.5W LED



Characteristics

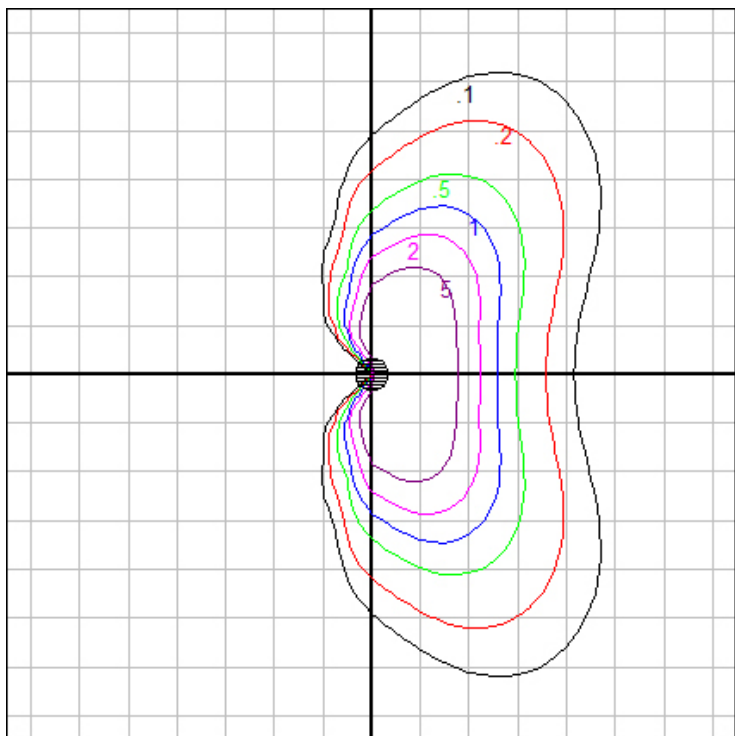
IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1485
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	18
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	924.396 (300H, 60V)
Max. Cd. (<90 Vert.)	924.396 (300H, 60V)
Max. Cd. (At 90 Deg. Vert.)	79.853 (5.4%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	368.267 (24.8%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

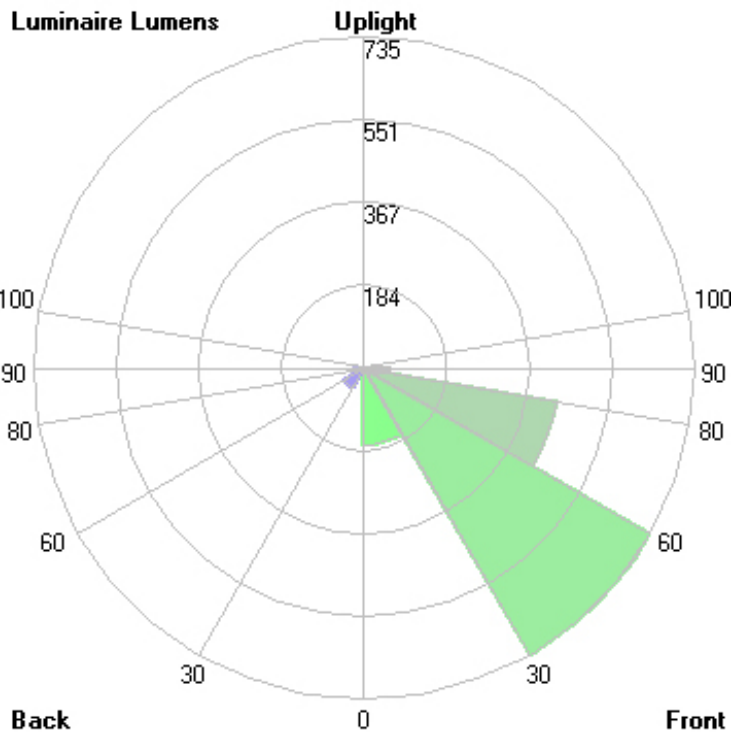
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	170.0	N.A.	11.4
FM (30-60)	734.6	N.A.	49.5
FH (60-80)	434.0	N.A.	29.2
FVH(80-90)	57.6	N.A.	3.9
BL (0-30)	4.6	N.A.	0.3
BM (30-60)	50.6	N.A.	3.4
BH (60-80)	25.0	N.A.	1.7
BVH(80-90)	1.5	N.A.	0.1
UL (90-100)	6.9	N.A.	0.5
UH (100-180)	0.2	N.A.	0.0
Total	1485.0	N.A.	100.0

BUG Rating B0-U0*-G1

*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has opaque sides, there is no significant uplight ($\leq 0.5\%$), and it has therefore been assigned a value of U0. Consult factory for more information



Grid Spacing: 3 ft.

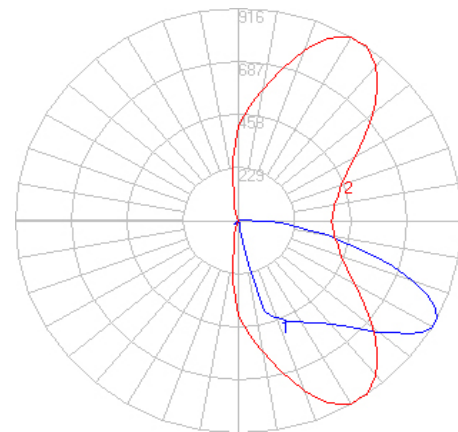


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 84462K3_BEGA_IES.ies

TEST: BE_84462K4
 TEST LAB: BEGA
 DATE: -
 LUMINAIRE: 84 462K3
 LAMP: 11.5W LED



Characteristics

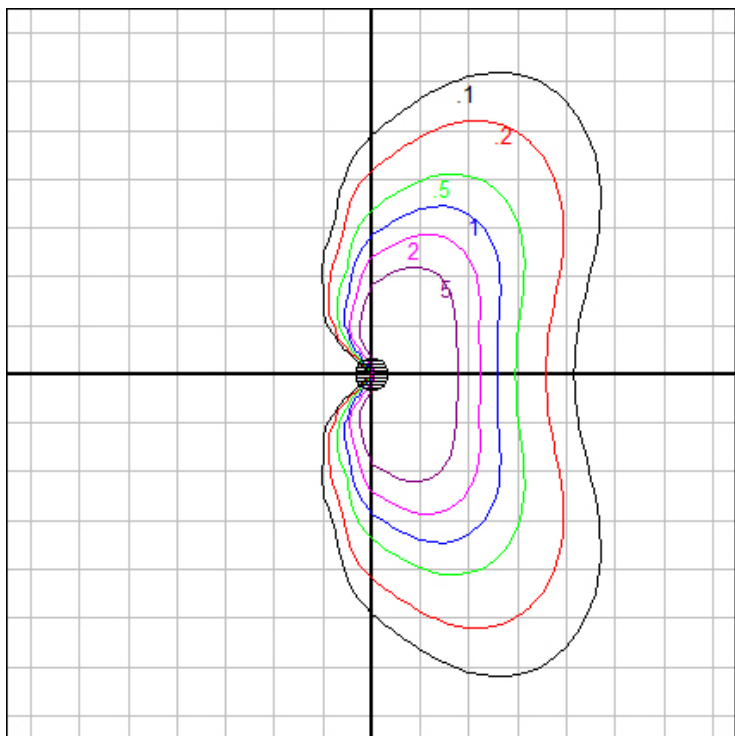
IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1472
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	18
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	915.916 (300H, 60V)
Max. Cd. (<90 Vert.)	915.916 (300H, 60V)
Max. Cd. (At 90 Deg. Vert.)	79.121 (5.4%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	364.889 (24.8%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

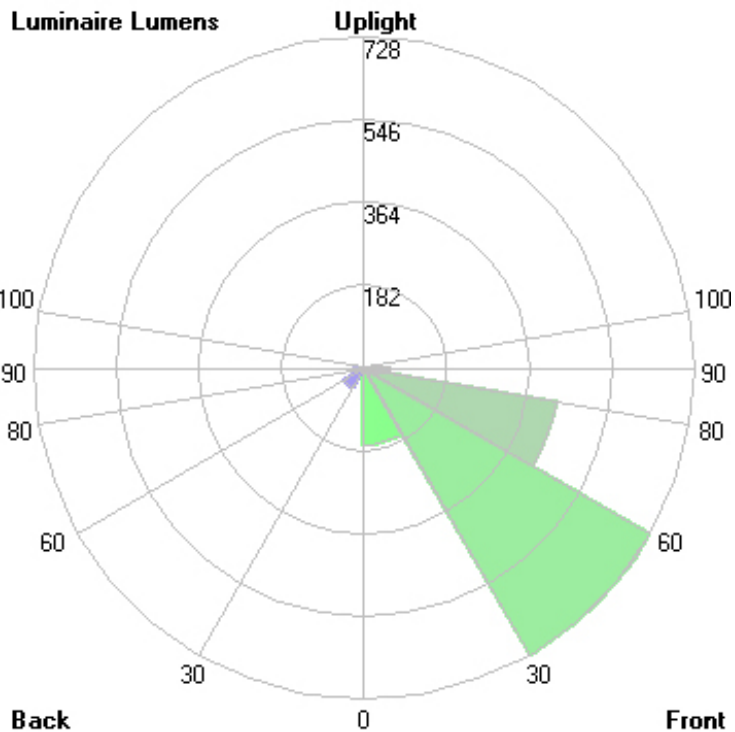
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	168.4	N.A.	11.4
FM (30-60)	727.8	N.A.	49.5
FH (60-80)	430.0	N.A.	29.2
FVH(80-90)	57.1	N.A.	3.9
BL (0-30)	4.6	N.A.	0.3
BM (30-60)	50.2	N.A.	3.4
BH (60-80)	24.8	N.A.	1.7
BVH(80-90)	1.5	N.A.	0.1
UL (90-100)	6.9	N.A.	0.5
UH (100-180)	0.2	N.A.	0.0
Total	1471.5	N.A.	100.0

BUG Rating B0-U0*-G1

*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has opaque sides, there is no significant uplight ($\leq 0.5\%$), and it has therefore been assigned a value of U0. Consult factory for more information



Grid Spacing: 3 ft.

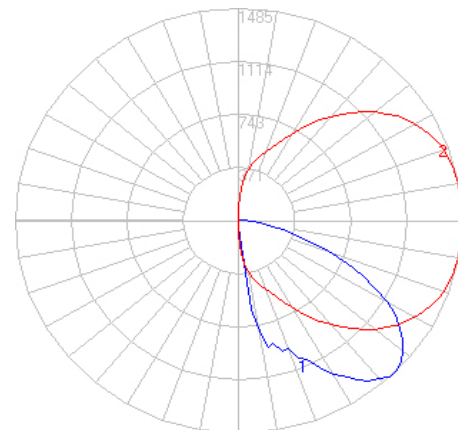


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 84462K27_BEGA_IES.ies

TEST: BE_84462K4
 TEST LAB: BEGA
 DATE: -
 LUMINAIRE: 84 462K27
 LAMP: 11.5W LED



Characteristics

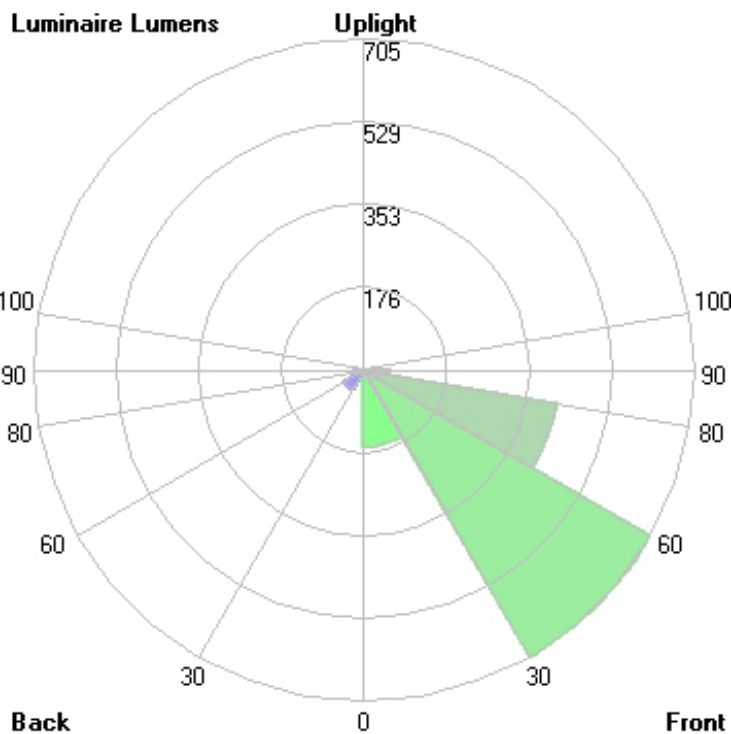
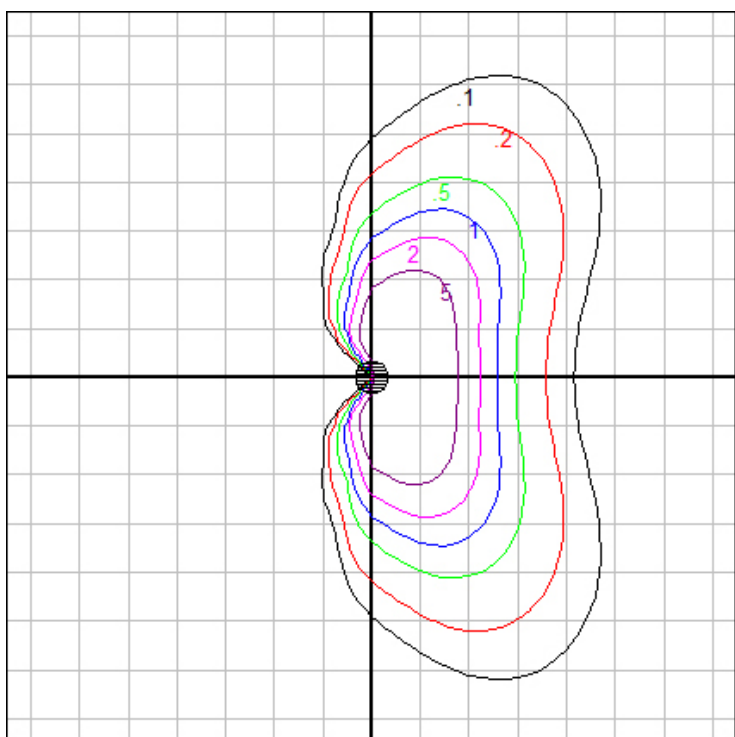
IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1426
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	18
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	887.647 (300H, 60V)
Max. Cd. (<90 Vert.)	887.647 (300H, 60V)
Max. Cd. (At 90 Deg. Vert.)	76.679 (5.4%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	353.627 (24.8%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	163.2	N.A.	11.4
FM (30-60)	705.4	N.A.	49.5
FH (60-80)	416.8	N.A.	29.2
FVH(80-90)	55.3	N.A.	3.9
BL (0-30)	4.4	N.A.	0.3
BM (30-60)	48.6	N.A.	3.4
BH (60-80)	24.0	N.A.	1.7
BVH(80-90)	1.5	N.A.	0.1
UL (90-100)	6.6	N.A.	0.5
UH (100-180)	0.2	N.A.	0.0
Total	1426.0	N.A.	100.0

BUG Rating B0-U0*-G1

*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has opaque sides, there is no significant uplight ($\leq 0.5\%$), and it has therefore been assigned a value of U0. Consult factory for more information



Grid Spacing: 3 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.