

Rev. Date: L8-07/25/11

PATENT PENDING

PHOTOMETRICS

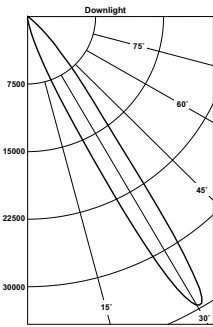
LED COLOR MULTIPLIER	COLOR TEMPERATURE	LUMEN MULTIPLIER	COLOR TEMPERATURE	LUMEN MULTIPLIER
	2700K	0.93	3500K	1.00
	3000K	1.00	4250K	1.14

ESAADR828ADJNPSGCF12052535K

LED Count: 28
Efficacy: 56.3 lm/W
S/M: 0.73
Color Temperature: 3500K
Drive Current: 525mA
Delivered Lumens: 3011
Aiming Angle: 30°
Test No.: LTL21984

LUMINANCE DATA

candela/meter ²	
VERTICAL ANGLE	AVERAGE
45°	163000
55°	16200
65°	1686
75°	202
85°	0



CANDELA DISTRIBUTION

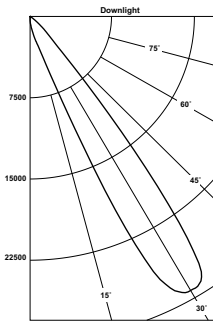
DEGREES	CD
0°	320
5°	551
15°	3087
25°	19320
35°	19360
45°	3396
55°	274
65°	21
75°	2
85°	0
90°	0

ESAADR828ADJNPSGCF12052535K

LED Count: 28
Efficacy: 53.3 lm/W
S/M: 0.41
Color Temperature: 3500K
Drive Current: 525mA
Delivered Lumens: 2854
Aiming Angle: 30°
Test No.: LTL22574

LUMINANCE DATA

candela/meter ²	
VERTICAL ANGLE	AVERAGE
45°	110600
55°	17950
65°	846
75°	259
85°	0



CANDELA DISTRIBUTION

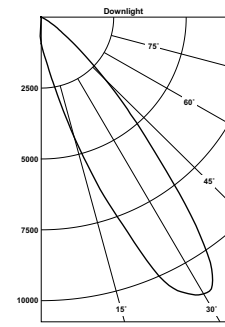
DEGREES	CD
0°	379
5°	828
15°	2803
25°	24690
35°	24940
45°	2230
55°	293
65°	10
75°	2
85°	0
90°	0

ESAADR828ADJNPSGCF12052535K

LED Count: 28
Efficacy: 53.4 lm/W
S/M: 0.67
Color Temperature: 3500K
Drive Current: 525mA
Delivered Lumens: 2780
Aiming Angle: 30°
Test No.: LTL23028

LUMINANCE DATA

candela/meter ²	
VERTICAL ANGLE	AVERAGE
45°	158300
55°	42640
65°	4114
75°	173
85°	0



CANDELA DISTRIBUTION

DEGREES	CD
0°	940
5°	1397
15°	4358
25°	10440
35°	9787
45°	3191
55°	697
65°	50
75°	1
85°	0
90°	0

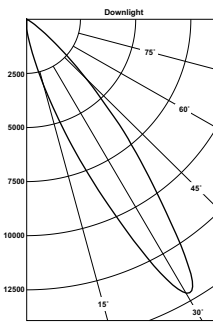
PHOTOMETRICS - LENSED

ESAADR828ADJNPSGCF12052535KLM

LED Count: 28
Efficacy: 47.8 lm/W
S/M: 0.63
Color Temperature: 3500K
Drive Current: 525mA
Delivered Lumens: 2553
Aiming Angle: 30°
Test No.: LTL21978

LUMINANCE DATA

candela/meter ²	
VERTICAL ANGLE	AVERAGE
45°	177500
55°	32190
65°	2745
75°	326
85°	0



CANDELA DISTRIBUTION

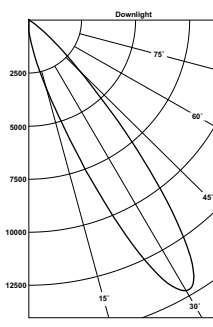
DEGREES	CD
0°	456
5°	842
15°	3479
25°	10790
35°	11470
45°	3697
55°	544
65°	34
75°	2
85°	0
90°	0

ESAADR828ADJNPSGCF12052535KLM

LED Count: 28
Efficacy: 48.8 lm/W
S/M: 0.57
Color Temperature: 3500K
Drive Current: 525mA
Delivered Lumens: 2607
Aiming Angle: 30°
Test No.: LTL22572

LUMINANCE DATA

candela/meter ²	
VERTICAL ANGLE	AVERAGE
45°	159200
55°	26880
65°	2018
75°	347
85°	0



CANDELA DISTRIBUTION

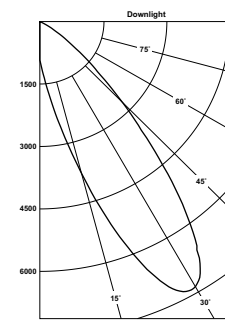
DEGREES	CD
0°	486
5°	953
15°	3640
25°	12080
35°	12640
45°	3208
55°	439
65°	24
75°	3
85°	0
90°	0

ESAADR828ADJNPSGCF12052535KLM

LED Count: 28
Efficacy: 47.0 lm/W
S/M: 0.71
Color Temperature: 3500K
Drive Current: 525mA
Delivered Lumens: 2446
Aiming Angle: 30°
Test No.: LTL23026

LUMINANCE DATA

candela/meter ²	
VERTICAL ANGLE	AVERAGE
45°	137800
55°	46510
65°	5517
75°	260
85°	0



CANDELA DISTRIBUTION

DEGREES	CD
0°	933
5°	1444
15°	3751
25°	6949
35°	6383
45°	2776
55°	760
65°	66
75°	2
85°	0
90°	0

All photometric files available for your convenience at our web site: www.BetaLED.com