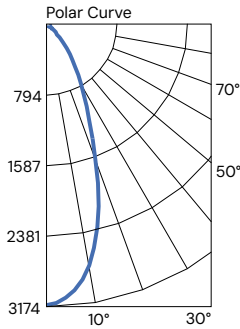


PHOTOMETRY

Square Fixed | 1500 lm | 4000K

Beam Spread: 40° Spot
 Lumens: 2007 lm
 Wattage: 19.55W
 Efficacy: 103 lm/W
 Spacing Criteria (0°-180°): 0.66
 Spacing Criteria (90°-270°): 0.68



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
8'	49.6fc	5'-11"
10'	31.7fc	7'-5"
12'	22fc	8'-10"
14'	16.2fc	10'-4"
16'	12.4fc	11'-10"

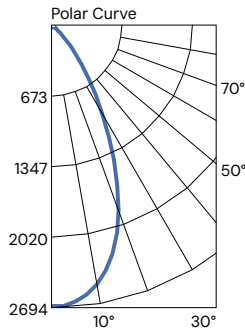
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1410	70.2
0-40	1740	86.7
0-60	1967	98
0-90	1997	99.5
90-180	10	0.5
0-180	2007	100

Candela Table

Vertical Angles	Candela
0	3174
5	3063
15	2246
25	1106
35	527
45	167

Beam Spread: 51° Narrow Flood
 Lumens: 2145 lm
 Wattage: 19.62W
 Efficacy: 109 lm/W
 Spacing Criteria (0°-180°): 0.82
 Spacing Criteria (90°-270°): 0.82



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
8'	42.1fc	7'-8"
10'	26.9fc	9'-8"
12'	18.7fc	11'-7"
14'	13.7fc	13'-6"
16'	10.5fc	15'-6"

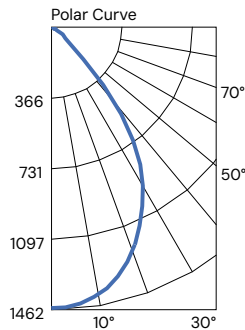
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1510	70.4
0-40	1895	88.4
0-60	2109	98.4
0-90	2133	99.5
90-180	11	0.5
0-180	2145	100

Candela Table

Vertical Angles	Candela
0	2694
5	2640
15	2228
25	1418
35	614
45	176

Beam Spread: 71° Flood
 Lumens: 1855 lm
 Wattage: 19.58W
 Efficacy: 95 lm/W
 Spacing Criteria (0°-180°): 1.04
 Spacing Criteria (90°-270°): 1.04



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
8'	22.8fc	11'-5"
10'	14.6fc	14'-4"
12'	10.2fc	17'-1"
14'	7.5fc	20'
16'	5.7fc	22'-11"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1022	55.1
0-40	1456	78.5
0-60	1803	97.2
0-90	1846	99.5
90-180	9	0.5
0-180	1855	100

Candela Table

Vertical Angles	Candela
0	1462
5	1446
15	1345
25	1106
35	760
45	186

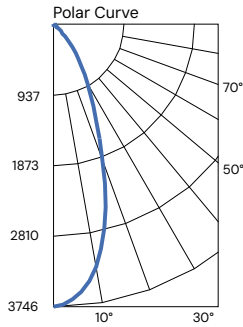
Lumen Output Multipliers

Color Temperature: 2700K (0.83), 3000K (0.89), 3500K (1.00), 4000K (1.00), 5000K (1.06)

PHOTOMETRY

Square Fixed | 2000 lm | 4000K

Beam Spread: 40° Spot
 Lumens: 2370 lm
 Wattage: 23.67W
 Efficacy: 100 lm/W
 Spacing Criteria (0°-180°): 0.66
 Spacing Criteria (90°-270°): 0.68



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
12'	26fc	8'-11"
14'	19.1fc	10'-4"
16'	14.6fc	11'-10"
18'	11.6fc	13'-4"
20'	9.4fc	14'-10"

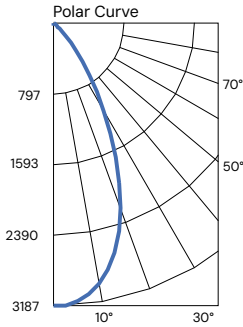
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1665	70.2
0-40	2055	86.7
0-60	2323	98
0-90	2359	99.5
90-180	11	0.5
0-180	2370	100

Candela Table

Vertical Angles	Candela
0	3746
5	3612
15	2654
25	1303
35	619
45	196

Beam Spread: 51° Narrow Flood
 Lumens: 2524 lm
 Wattage: 23.88W
 Efficacy: 106 lm/W
 Spacing Criteria (0°-180°): 0.82
 Spacing Criteria (90°-270°): 0.82



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
12'	22.1fc	11'-6"
14'	16.2fc	13'-5"
16'	12.4fc	15'-5"
18'	9.8fc	17'-4"
20'	7.9fc	19'-2"

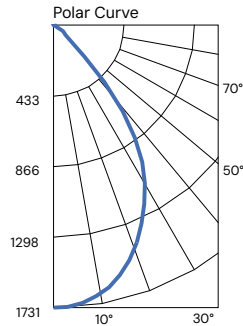
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1782	70.6
0-40	2234	88.5
0-60	2484	98.4
0-90	2511	99.5
90-180	12	0.5
0-180	2524	100

Candela Table

Vertical Angles	Candela
0	3178
5	3110
15	2629
25	1675
35	724
45	208

Beam Spread: 71° Flood
 Lumens: 2204 lm
 Wattage: 23.97W
 Efficacy: 92 lm/W
 Spacing Criteria (0°-180°): 1.04
 Spacing Criteria (90°-270°): 1.04



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
12'	12fc	17'-2"
14'	8.8fc	20'
16'	6.8fc	22'-11"
18'	5.3fc	25'-8"
20'	4.3fc	28'-7"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1211	55
0-40	1649	74.8
0-60	2142	97.2
0-90	2194	99.5
90-180	10	0.5
0-180	2204	100

Candela Table

Vertical Angles	Candela
0	1731
5	1712
15	1592
25	1311
35	899
45	225

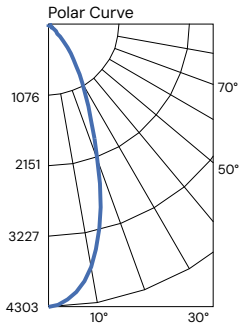
Lumen Output Multipliers

Color Temperature: 2700K (0.83), 3000K (0.89), 3500K (1.00), 4000K (1.00), 5000K (1.06)

PHOTOMETRY

Square Fixed | 2500 lm | 4000K

Beam Spread: 40° Spot
 Lumens: 2728 lm
 Wattage: 28.16W
 Efficacy: 97 lm/W
 Spacing Criteria (0°-180°): 0.66
 Spacing Criteria (90°-270°): 0.68



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
16'	16.8fc	11'-10"
18'	13.3fc	13'-4"
20'	10.8fc	14'-10"
22'	8.9fc	16'-4"
24'	7.5fc	17'-8"

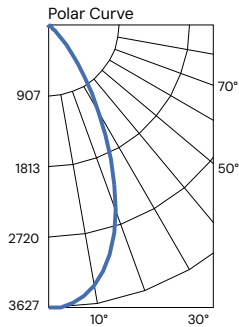
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1914	70.2
0-40	2364	86.7
0-60	2672	98
0-90	2715	99.5
90-180	13	0.5
0-180	2728	100

Candela Table

Vertical Angles	Candela
0	4303
5	4148
15	3049
25	1499
35	713
45	227

Beam Spread: 51° Narrow Flood
 Lumens: 2880 lm
 Wattage: 28.18W
 Efficacy: 102 lm/W
 Spacing Criteria (0°-180°): 0.82
 Spacing Criteria (90°-270°): 0.82



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
16'	14.2fc	15'-5"
18'	11.2fc	17'-4"
20'	9.1fc	19'-2"
22'	7.5fc	21'-1"
24'	6.3fc	23'

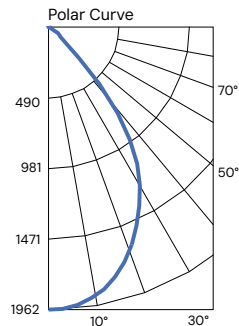
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2031	70.5
0-40	2547	88.4
0-60	2832	98.4
0-90	2865	99.5
90-180	15	0.5
0-180	2880	100

Candela Table

Vertical Angles	Candela
0	3623
5	3549
15	2996
25	1906
35	821
45	236

Beam Spread: 71° Flood
 Lumens: 2498 lm
 Wattage: 28.09W
 Efficacy: 89 lm/W
 Spacing Criteria (0°-180°): 1.04
 Spacing Criteria (90°-270°): 1.04



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
16'	7.7fc	22'-11"
18'	6.1fc	25'-10"
20'	4.9fc	28'-8"
22'	4.1fc	31'-6"
24'	3.4fc	34'-5"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1372	54.9
0-40	1954	78.2
0-60	2428	97.2
0-90	2486	99.5
90-180	12	0.5
0-180	2498	100

Candela Table

Vertical Angles	Candela
0	1961
5	1943
15	1811
25	1488
35	1023
45	289

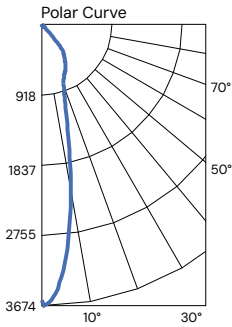
Lumen Output Multipliers

Color Temperature: 2700K (0.83), 3000K (0.89), 3500K (1.00), 4000K (1.00), 5000K (1.06)

PHOTOMETRY

Round Adjustable | 4000K

Beam Spread: 24° Flood
 Lumens: 1436 lm
 Wattage: 14.04W
 Efficacy: 102 lm/W
 Spacing Criteria (0°-180°): 0.4
 Spacing Criteria (90°-270°): 0.42

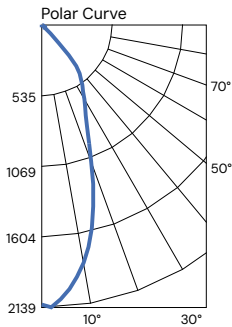


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
2'	902fc	0'-10"
4'	225fc	1'-8"
6'	100fc	2'-6"
8'	56.4fc	3'-4"
10'	36.1fc	4'-1"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	966	67.3
0-40	1287	89.6
0-60	1414	98.4
0-90	1431	99.6
90-180	5.5	0.4
0-180	1436	100

Candela Table	
Vertical Angles	Candela
0	3607
5	3176
15	1251
25	700
35	508
45	93

Beam Spread: 41° Flood
 Lumens: 1448 lm
 Wattage: 14.09W
 Efficacy: 103 lm/W
 Spacing Criteria (0°-180°): 0.66
 Spacing Criteria (90°-270°): 0.68

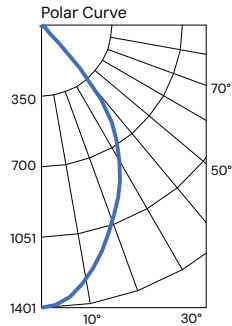


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
2'	530fc	1'-6"
4'	133fc	2'-11"
6'	58.9fc	4'-5"
8'	33.1fc	5'-11"
10'	21.2fc	7'-5"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	962	66.5
0-40	1284	88.7
0-60	1422	98.2
0-90	1443	99.6
90-180	5.17	0.4
0-180	1448	100

Candela Table	
Vertical Angles	Candela
0	2120
5	2013
15	1474
25	748
35	514
45	102

Beam Spread: 65° Flood
 Lumens: 1433 lm
 Wattage: 14.06W
 Efficacy: 102 lm/W
 Spacing Criteria (0°-180°): 0.92
 Spacing Criteria (90°-270°): 0.92



Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
2'	350fc	2'-7"
4'	87.5fc	5'-1"
6'	38.9fc	7'-8"
8'	21.9fc	10'-2"
10'	14.0fc	12'-10"

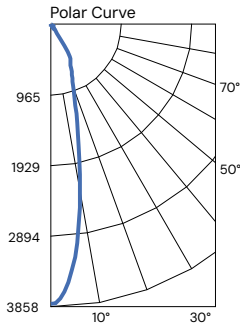
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	869	60.7
0-40	1222	85.3
0-60	1406	94.7
0-90	1427	99.6
90-180	5.41	0.4
0-180	1433	100

Candela Table	
Vertical Angles	Candela
0	1401
5	1366
15	1162
25	914
35	626
45	125

PHOTOMETRY

Round Adjustable Slot | 4000K

Beam Spread: 23° Flood
 Lumens: 1197 lm
 Wattage: 13.75W
 Efficacy: 87 lm/W
 Spacing Criteria (0°-180°): 0.4
 Spacing Criteria (90°-270°): 0.4



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	239fc	1'-7"
6'	106fc	2'-6"
8'	59.8fc	3'-4"
10'	38.2fc	4'-1"
12'	26.6fc	4'-11"

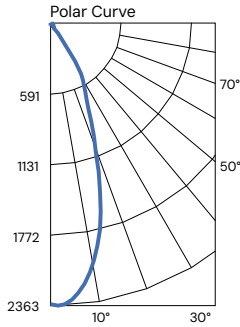
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	983	82.2
0-40	1117	93.3
0-60	1174	98.1
0-90	1197	100
90-180	0	0
0-180	1197	100

Candela Table

Vertical Angles	Candela
0	3824
5	3240
15	1433
25	684
35	204
45	44

Beam Spread: 38° Narrow
 Lumens: 1194 lm
 Wattage: 13.78W
 Efficacy: 87 lm/W
 Spacing Criteria (0°-180°): 0.64
 Spacing Criteria (90°-270°): 0.64



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	147fc	2'-10"
6'	65.3fc	4'-2"
8'	36.7fc	5'-7"
10'	23.5fc	7'
12'	16.3fc	8'-4"

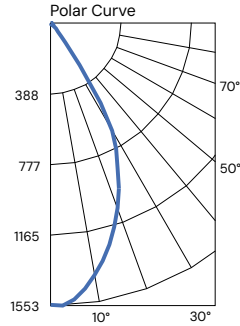
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	983	82.3
0-40	1112	93.1
0-60	1170	98
0-90	1194	100
90-180	0	0
0-180	1194	100

Candela Table

Vertical Angles	Candela
0	2351
5	2302
15	1630
25	729
35	185
45	37

Beam Spread: 55° Flood
 Lumens: 1170 lm
 Wattage: 13.76W
 Efficacy: 85 lm/W
 Spacing Criteria (0°-180°): 0.84
 Spacing Criteria (90°-270°): 0.82



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	96.9fc	4'-2"
6'	43.1fc	6'-4"
8'	24.2fc	8'-5"
10'	15.5fc	10'-6"
12'	10.8fc	12'-7"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	879	75.1
0-40	1074	91.8
0-60	1144	97.8
0-90	1170	100
90-180	0	0
0-180	1170	100

Candela Table

Vertical Angles	Candela
0	1550
5	1526
15	1260
25	880
35	282
45	43

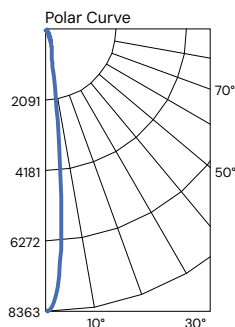
Lumen Output Multipliers

Color Temperature: 2700K (0.83), 3000K (0.86), 3500K (0.89), 4000K (1.00), 5000K (1.01)

PHOTOMETRY

Round Fixed with 10° Optic | 4000K

Beam Spread: 12° Spot
Lumens: 884 lm
Wattage: 12.41W
Efficacy: 71 lm/W
Spacing Criteria (0°-180°): 0.22
Spacing Criteria (90°-270°): 0.22



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	23fc	1'-4"
8'	130fc	1'-8"
10'	83.2fc	2'-2"
12'	57.8fc	2'-7"
14'	42.5fc	3'

Zonal Lumen Summary

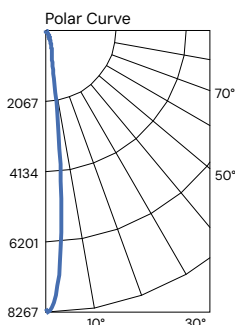
Zone	Lumens	% Luminaire
0-30	731	83.4
0-40	822	93.8
0-60	865	98.8
0-90	875	100
90-180	0	0
0-180	875	100

Candela Table

Vertical Angles	Candela
0	8324
5	5447
15	759
25	343
35	138
45	34

Round Adjustable with 10° Optic | 4000K

Beam Spread: 12° Spot
Lumens: 875 lm
Wattage: 12.42W
Efficacy: 70 lm/W
Spacing Criteria (0°-180°): 0.22
Spacing Criteria (90°-270°): 0.22



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	227fc	1'-2"
8'	128fc	1'-8"
10'	81.6fc	2'-1"
12'	56.7fc	2'-6"
14'	41.6fc	2'-11"

Zonal Lumen Summary

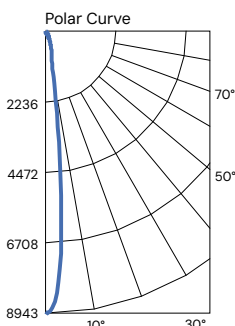
Zone	Lumens	% Luminaire
0-30	700	79.2
0-40	790	89.4
0-60	870	98.4
0-90	884	100
90-180	0	0
0-180	884	100

Candela Table

Vertical Angles	Candela
0	8163
5	5084
15	689
25	323
35	136
45	64

Round Adjustable Slot with 10° Optic | 4000K

Beam Spread: 12° Spot
Lumens: 895 lm
Wattage: 12.44W
Efficacy: 72 lm/W
Spacing Criteria (0°-180°): 0.22
Spacing Criteria (90°-270°): 0.22



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	247fc	1'-4"
8'	139fc	1'-10"
10'	89fc	2'-2"
12'	61.8fc	2'-8"
14'	45.4fc	3'-1"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	784	87.6
0-40	863	96.4
0-60	886	99
0-90	895	100
90-180	0	0
0-180	895	100

Candela Table

Vertical Angles	Candela
0	8904
5	5940
15	775
25	338
35	134
45	13

Shape	Optic Angle	Max CBCP (Center Beam Candlepower)
Round Fixed	10°	8163
Round Adjustable		8324
Round Adjustable Slot		8904