

RPUB UNIBODY STEEL COMBO

The RPUB series of commercial combination steel sign and battery unit feature a single “unibody” steel construction that allows for large battery capacities. Two PAR18 small style, top mounted heads are standard, with MR16 and high output type being optional. Available with either 6 V DC, 12 V DC or 24 V DC emergency backup power.



FEATURES & SPECIFICATIONS

ELECTRICAL

- LED Ultra-bright light source
- 120/347 V AC field selectable, or 277 V AC
- 1.8 W power consumption for LED exit portion of combination sign
- LED Emergency DC wattages as follows:
6 V DC = 0.90 W,
12 V DC = 0.86 W,
24 V DC = 0.87 W.
- Wattage capacities from 36 to 200 W
- 30 Minutes emergency power duration standard
- Momentary push button test switch
- Diagnostic/pilot LEDs for AC ON and CHARGE

- Fully automatic, current limited charger
- Line latched, low voltage protection
- Solid state design and construction
- Brownout and short circuit protection
- Temperature compensated
- Large magnum terminal screw type connectors for remote load connection
- Maintenance free, sealed lead acid battery. Complete recharge in 24 hours
- Optional automatic-testing, self-diagnostic charger board:
 - Continuously monitors the operational status of the battery unit

- Automatically performs battery and lamp load testing at preset intervals
- Indicates any component malfunctions or automated test failures

- Optional heads include die cast metal MR16 and high output industrial
- Top head mounting is standard

MECHANICAL

- 20 Gauge steel construction
- Slide out faceplate for rapid and simple installation
- Universal spider knockout pattern and keyhole mounting slots stamped into back
- Multiple conduit entry knockouts
- White powder coat finish standard
- PAR18 small style, high impact thermoplastic heads are standard [2N]

APPROVALS

- CSA Certified to C22.2 #141-15
- CSA Certified to C860-11

COMPLIANCE

- Meets requirements of ICES-005

OVERVIEW			
LIGHT SOURCE	LED	SIGN EMERGENCY POWER CONSUMPTION	6 V DC = 0.90 W 12 V DC = 0.86 W 24 V DC = 0.87 W
INPUT VOLTAGE (V AC)	120/347, 277	OUTPUT VOLTAGE (V DC)	6, 12, 24
SIGN POWER CONSUMPTION (W)	1.8	OUTPUT CAPACITY (W)	36 - 200
 BRIDGE EMERGENCY LIGHTING LUMINAIRE REMOTÉ NORMALEMENT ON  LED  ICES 005  Energy Verified Energie Vérifiée			

For complete warranty details, please see our terms and conditions on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.

All products are subject to change or may be discontinued any time without notice.

ORDERING GUIDE

SERIES	VOLTS [V]	WATTS [W]	NBR OF FACES	MOUNTING	NBR OF HEADS	HEAD / LAMP	LAMP TYPE	COLOR	INPUT VOLTS [V]	OPTIONS
R PUB	06 - 6	036 - 36 050 - 50 072 - 72 100 - 100 160 - 160	1 - SINGLE FACE	W - WALL MOUNT	0 - NO HEADS 1 - ONE HEAD 2 - TWO HEADS	BLANK - NO HEADS SM - PAR18 MD - MR16 MB - MR16 HO - INDUS-TRIAL	SEE LAMP SELECTION CHART BELOW	WHT - WHITE [STANDARD] BLK - BLACK CUS - CUSTOM COLOR [SPECIFY]	BLANK - 120/347 277 - 277	AMP, ATD, AUD ¹ , AUE, LPD, RDS, SMH ² , TDL ¹ , VDR, VLT ↓ ↑ ↗ ↘ ↙ ↘ D U URDRDLUL
	12 - 12	036 - 36 050 - 50 072 - 72 100 - 100 160 - 160 200 - 200								
	24 - 24	144 - 144 200 - 200								

¹ Only available with ATD.
² HO heads not compatible with SMH.

OPTIONS

DESCRIPTION	DESCRIPTION
AMP AMMETER	RDS RADIO FREQUENCY SUPPRESSION
ATD AUTOMATIC TEST SELF-DIAGNOSTIC	SMH SIDE MOUNTED HEADS
AUD AUDIBLE ALARM	TDL TIME DELAY
AUE AUDIBLE EMERGENCY	VDR TAMPER PROOF SCREWS
LPD LAMP DISCONNECT [INTERNAL]	VLT VOLTMETER

LAMP SELECTION

	6 V	12 V	24 V
PAR18 - Small head			
LED	3WLJ, 4WLJ, 5WLJ	3WLJ, 4WLJ, 5WLJ, 6WLA, 7WLA	4WLR, 5WLA, 6WLA, 7WLA
Quartz halogen		10WQ	
Tungsten	09WT	09WT	09WT, 18WT
MR16 - Small head c/w MR16			
LED	4WLR, 5WLA	4WLR, 5WLA, 6WLA, 7WLA	4WLR, 5WLA, 6WLA, 7WLA
Quartz halogen	10WQ	20WQ, 35WQ	12WQ, 20WQ, 50WQ
Industrial			
LED		5WLJ, 9WLJ, 14WLJ, 30WLJ	5WLJ, 9WLJ, 14WLJ, 30WLJ

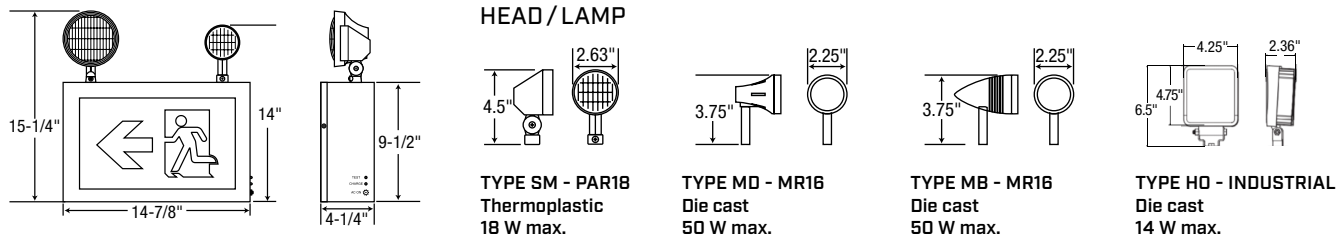
MODEL RATINGS

MODEL	VOLTS (V)	WATTAGE CAPACITIES (W)			
		30 MIN.	60 MIN.	90 MIN.	120 MIN.
RPUB0636	6	36	18	12	9
RPUB0650		50	25	16	12
RPUB0672		72	36	24	18
RPUB06100		100	50	33	25
RPUB06160		160	80	53	40
RPUB1236	12	36	18	12	9
RPUB1250		50	25	16	12
RPUB1272		72	36	24	18
RPUB12100		100	50	33	25
RPUB12160		160	80	53	40
RPUB12200	24	200	100	66	50
RPUB24144		144	72	48	36
RPUB24200		200	100	66	50

LUMEN TABLE

WATTS	LUMENS
3W LJ	313
4W LJ	388
5W LJ	590
4W LR	388
5W LA	435
6W LA	507
7W LA	652

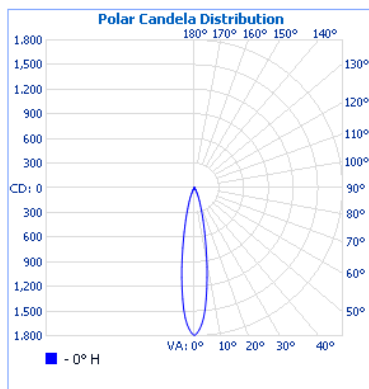
DIMENSIONS



PHOTOMETRIC DATA¹

PAR18-06-12V3WLJ • 309.0 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	282.9	91.6%
0-40	297.5	96.3%
0-60	306.9	99.3%
60-90	2.1	0.7%
70-100	0.3	0.1%
90-120	0	0%
0-90	309.0	100%
90-180	0	0%
0-180	309.0	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	622		0.6'	
3.3'	165		1.1'	
5.0	71.8		1.7'	
6.7	40.0		2.3'	
8.3	26.1		2.8'	
10.0	18.0		3.4'	

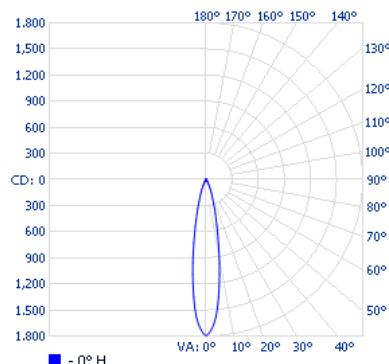
■ Beam. Spread: 19.3°

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹

PAR18-06-12V4WLJ • 429.5 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

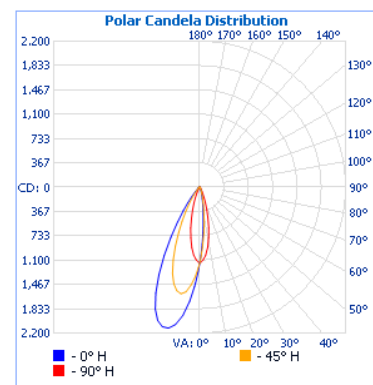
ZONE	LUMENS	% FIXTURE
0-30	325.3	75.7%
0-40	369.4	86%
0-60	410.4	95.5%
60-90	19.2	4.5%
0-90	429.5	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	402		0.8'	8.2'
3.3'	107		1.6'	16.4'
5.0	46.4		2.4'	24.6'
6.7	25.9		3.2'	32.8'
8.3	16.9		3.9'	41.0'
10.0	11.6		4.7'	49.2'
■ Vert. Spread: 26.6° ■ Hor. Spread: 27.1°				

PAR18-06-12V5WLJ • 655.3 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

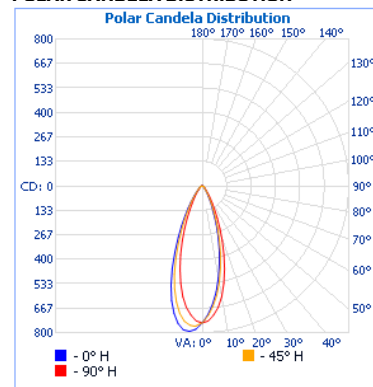
ZONE	LUMENS	% FIXTURE
0-30	515.6	78.7%
0-40	595.7	90.9%
0-60	637.2	97.2%
60-90	18.0	2.8%
0-90	655.3	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	396		0.9'	0.9'
3.3'	105		1.7'	1.7'
5.0	45.8		2.5'	2.6'
6.7	25.5		3.4'	3.5'
8.3	16.6		4.2'	4.3'
10.0	11.5		5.1'	5.2'
■ Vert. Spread: 28.6° ■ Hor. Spread: 29.4°				

MR16-06-24V4WLR • 228.7 LM

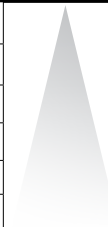
POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	164.4	71.9%
0-40	182.0	79.6%
0-60	214.8	93.9%
60-90	13.9	6.1%
70-100	4.1	1.8%
90-120	0	0%
0-90	228.7	100%
90-180	0	0%
0-180	228.7	100%

ILLUMINANCE AT A DISTANCE

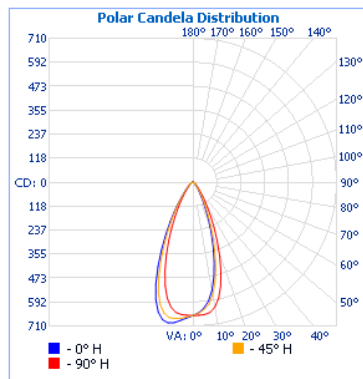
CENTER BEAM FC			BEAM WIDTH
1.7'	168		1.1'
3.3'	44.5		2.1'
5.0	19.4		3.2'
6.7	10.8		4.3'
8.3	7.04		5.3'
10.0	4.85		6.4'
■ Beam. Spread: 35.4°			

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹

MR16-06-24V5WLA • 440.7 LM

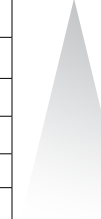
POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

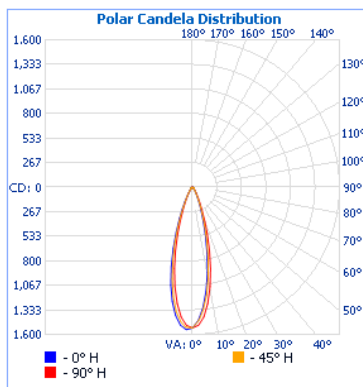
ZONE	LUMENS	% FIXTURE
0-30	352.6	80%
0-40	391.8	88.9%
0-60	427.2	96.9%
60-90	13.5	3.1%
70-100	4.3	1%
90-120	0	0%
0-90	440.7	100%
90-180	0	0%
0-180	440.7	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	407		0.9'	1.0'
3.3'	108		1.7'	1.9'
5.0	47.0		2.6'	2.8'
6.7	26.2		3.5'	3.8'
8.3	17.1		4.3'	4.7'
10.0	11.8		5.2'	5.7'
Vert. Spread: 29.3° Hor. Spread: 31.7°				

MR16-12-24V6WLA • 508.7 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

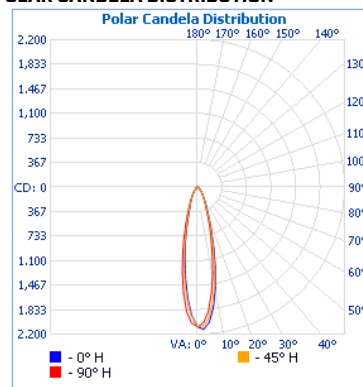
ZONE	LUMENS	% FIXTURE
0-30	407.0	80%
0-40	452.3	88.9%
0-60	493.1	96.9%
60-90	15.6	3.1%
70-100	4.9	1%
90-120	0	0%
0-90	508.7	100%
90-180	0	0%
0-180	508.7	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	470		0.9'	1.0'
3.3'	125		1.7'	1.9'
5.0	54.3		2.6'	2.8'
6.7	30.2		3.5'	3.8'
8.3	19.7		4.3'	4.7'
10.0	13.6		5.2'	5.7'
Vert. Spread: 29.3° Hor. Spread: 31.7°				

MR16-06-24V7WLA • 635.2 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	508.2	80%
0-40	564.7	88.9%
0-60	615.7	96.9%
60-90	19.5	3.1%
70-100	6.1	1%
90-120	0	0%
0-90	635.2	100%
90-180	0	0%
0-180	635.2	100%

ILLUMINANCE AT A DISTANCE

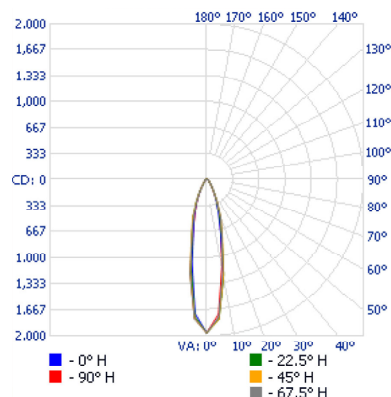
CENTER BEAM FC			BEAM WIDTH	
1.7'	587		0.9'	1.0'
3.3'	156		1.7'	1.9'
5.0	67.8		2.6'	2.8'
6.7	37.8		3.5'	3.8'
8.3	24.6		4.3'	4.7'
10.0	16.9		16.9'	5.7'
Vert. Spread: 29.3° Hor. Spread: 31.7°				

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹

SQ-12V-5W • 642.1 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	481.0	74.9
0-40	548.2	85.4
0-60	611.0	95.1
60-90	31.1	4.8
70-100	12.2	1.9
90-120	0.0	0
0-90	642.1	100
90-180	0.1	0
0-180	642.1	100

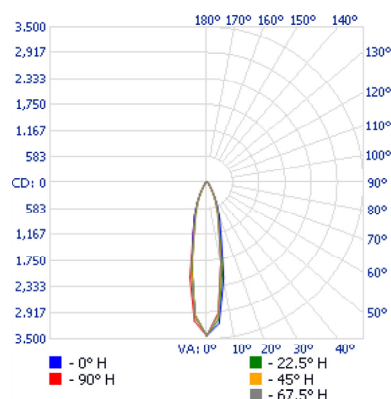
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0"	489.9	0.8	0.8
4.0"	122.5	1.7	1.7
6.0"	54.4	2.5	2.5
8.0"	30.6	3.3	3.4
10.0"	19.6	4.1	4.2

■ Vert. Spread: 23.4° ■ Hor. Spread: 23.8°

SQ-12V-9W • 1 105.1 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	835.2	75.6
0-40	948.6	85.8
0-60	1 051.8	95.2
60-90	53.1	4.8
70-100	20.9	1.9
90-120	0.1	0
0-90	1 104.9	100
90-180	0.2	0
0-180	1 105.1	100

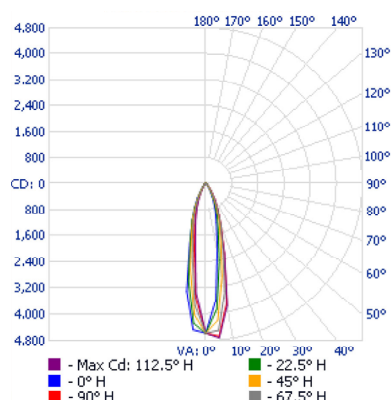
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0"	856.3	0.8	0.8
4.0"	214.1	1.7	1.6
6.0"	95.1	2.5	2.4
8.0"	53.5	3.4	3.2
10.0"	34.3	4.2	4.1

■ Vert. Spread: 23.8° ■ Hor. Spread: 22.9°

SQ-12V-14W • 1 460.7 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 142.6	78.2
0-40	1 289.7	88.3
0-60	1 407.8	96.4
60-90	52.7	3.6
70-100	18.7	1.3
90-120	0.0	0
0-90	1 460.6	100
90-180	0.1	0
0-180	1 460.7	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0"	1 143.8	0.8	0.8
4.0"	285.9	1.6	1.7
6.0"	127.1	2.4	2.5
8.0"	71.5	3.2	3.3
10.0"	45.8	4.0	4.2

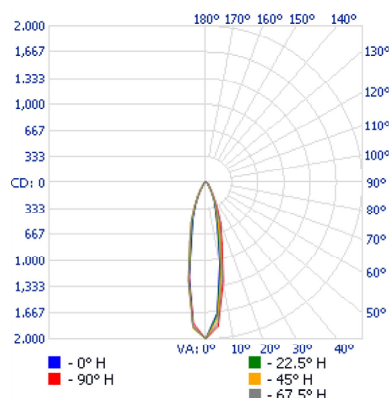
■ Vert. Spread: 22.8° ■ Hor. Spread: 23.5°

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹

SQ-24V-5W • 659.0 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	493.6	74.9
0-40	562.7	85.4
0-60	627.1	95.2
60-90	31.8	4.8
70-100	12.4	1.9
90-120	0.0	0
0-90	658.9	100
90-180	0.1	0
0-180	659.0	100

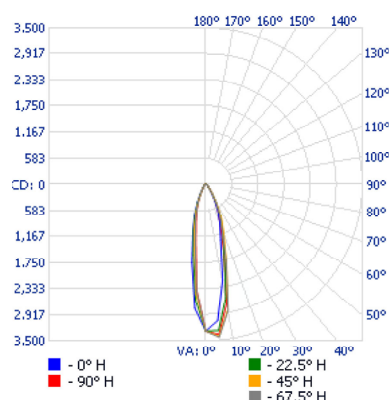
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0"	499.7	0.8	0.9
4.0"	124.9	1.6	1.8
6.0"	55.5	2.4	2.7
8.0"	31.2	3.2	3.6
10.0"	20.0	4.0	4.5

■ Vert. Spread: 22.6° ■ Hor. Spread: 25.3°

SQ-24V-9W • 1 114.7 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	835.1	74.9
0-40	954.7	85.7
0-60	1 060.8	95.2
60-90	53.8	4.8
70-100	21.1	1.9
90-120	0.1	0
0-90	1 114.6	100
90-180	0.1	0
0-180	1 114.7	100

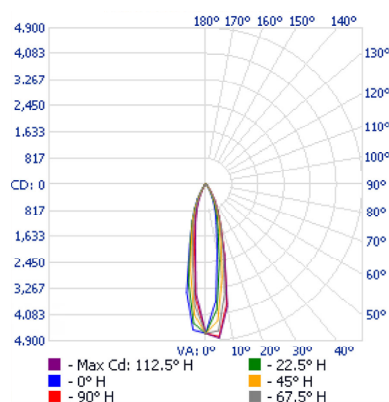
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0"	820.9	0.9	0.8
4.0"	205.2	1.7	1.6
6.0"	91.2	2.6	2.4
8.0"	51.3	3.5	3.2
10.0"	32.8	4.4	4.0

■ Vert. Spread: 24.5° ■ Hor. Spread: 22.6°

SQ-24V-14W • 1 487.4 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 164.1	78.3
0-40	1 313.4	88.3
0-60	1 433.6	96.4
60-90	53.7	3.6
70-100	19.1	1.3
90-120	0.0	0
0-90	1 487.3	100
90-180	0.1	0
0-180	1 487.4	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0"	1 166.4	0.8	0.8
4.0"	291.6	1.6	1.7
6.0"	129.6	2.4	2.5
8.0"	72.9	3.2	3.3
10.0"	46.7	4.0	4.2

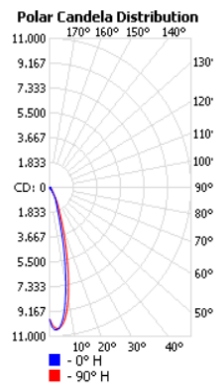
■ Vert. Spread: 22.8° ■ Hor. Spread: 23.5°

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹

SQ-12-24V-30W • 2 578 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	2 112.3	82
0-40	2 315.1	90
0-60	2 491.9	97
60-90	83.7	3
0-90	2 575.7	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
17.0"	33.7	6.1	6.3
34.0"	8.42	12.1	12.5
51.0"	3.47	18.2	18.8
68.0"	2.10	24.3	25.1
85.0"	1.35	30.4	31.3
102.0"	0.94	36.4	37.6

■ Vert. Spread: 20.3° ■ Hor. Spread: 20.9°

¹ Complete IES files available on our website.