PHILIPS

Lighting



Brighter, high performance lighting with contemporary aesthetic design

TrueForce High Lumen PAR

Philips LED TrueForce PAR high lumen lamps are the perfect transition from CDM lamps to LED.

Benefits

- Long life lowers maintenance costs by reducing re-lamp frequency
- Highest lumen output in the market, meeting Energy Star and UL/cUL requirements
- Optimized reliability & over-heat protection design

Features

- Unique single-optic lens design for accent lighting, reduces glare to improve shopper experience
- 25,000-hour rated average life for Energy Star® qualified lamps*
- Select lamps available in black finish
- Deep dimming down to <5%
- Title 20 & Title 24 JA8 compliant

Application

- Retail
- Hospitality
- Suitable for damp locations

TrueForce High Lumen PAR

Versions



Single Contact Medium Screw PAR
4.75 inch/121mm Clear



Single Contact Medium Screw PAR
3.75 inch/95mm Long Clear



Single Contact Medium Screw PAR
3.75 inch/95mm Short Clear

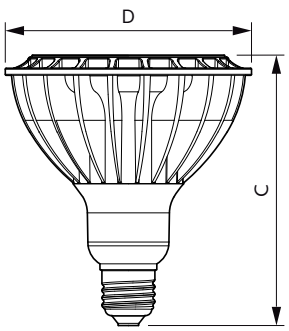


Single Contact Medium Screw PAR
4.75 inch/121mm Clear



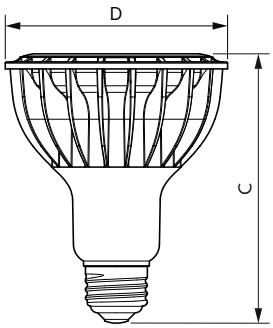
Single Contact Medium Screw PAR
4.75 inch/121mm

Dimensional drawing

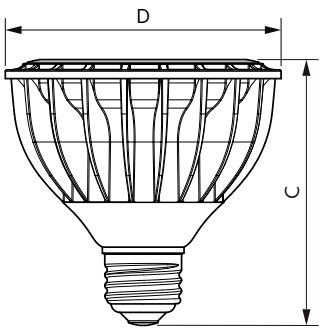


Product	D	C
36PAR38/PER/830/S15/ND/120V 6/1FB	4-7/8 in	5-1/4 in
36PAR38/PER/830/F25/ND/120V 6/1FB	4-7/8 in	5-1/4 in
33PAR38/PER/830/F25/DIM/120V 6/1FB	4-7/8 in	5-1/4 in
33PAR38/PER/830/S15/DIM/120V 6/1FB	4-7/8 in	5-1/4 in
33PAR38/PER/830/F25/DIM/120V B 6/1FB	4-7/8 in	5-1/4 in
33PAR38/PER/830/S15/DIM/120V B 6/1FB	4-7/8 in	5-1/4 in

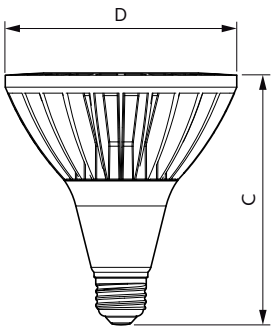
Dimensional drawing



Product	D	C
25.5PAR30L/PER/830/F25/ND/120-277V 6/1FB	3-13/16 in	4-11/16 in
25.5PAR30L/PER/830/S15/ND/120-277V 6/1FB	3-13/16 in	4-11/16 in
25.5PAR30L/PER/930/F25/ND/120-277V 6/1FB	3-13/16 in	4-11/16 in



Product	D	C
23PAR30s/PER/930/F25/ND/120V 6/1FB	3-13/16 in	3-3/4 in



Product	D	C
27PAR38TrueF 830 F15 DIM 120V-277V 6/1FB	4-3/4 in	5-3/16 in
27PAR38TrueF 830 F25 DIM 120V-277V 6/1FB	4-3/4 in	5-3/16 in

TrueForce High Lumen PAR

Approval and application	
Energy Consumption kWh/1000 h	- kWh
Operating and electrical	
Starting Time (Nom)	0.5 s
General information	
Cap-Base	E26
Nominal Lifetime (Nom)	25000 h
Switching Cycle	50000
Light technical	
Correlated Color Temperature (Nom)	3000 K
Llmf At End Of Nominal Lifetime (Nom)	70 %
Mechanical and housing	
Bulb Finish	Clear

Controls and dimming

Order Code	Full Product Name	Dimmable
534586	36PAR38/PER/830/S15/ND/120V 6/1FB	No
534594	36PAR38/PER/830/F25/ND/120V 6/1FB	No
534602	33PAR38/PER/830/S15/DIM/120V 6/1FB	Yes
534610	33PAR38/PER/830/F25/DIM/120V 6/1FB	Yes
534644	25.5PAR30L/PER/830/S15/ND/120-277V 6/1FB	No
534651	25.5PAR30L/PER/830/F25/ND/120-277V 6/1FB	No
534677	25.5PAR30L/PER/930/F25/ND/120-277V 6/1FB	No
534693	23PAR30s/PER/930/F25/ND/120V 6/1FB	No
534628	33PAR38/PER/830/S15/DIM/120V B 6/1FB	Yes
534636	33PAR38/PER/830/F25/DIM/120V B 6/1FB	Yes
569723	27PAR38TrueF 830 F15 DIM 120V-277V 6/1FB	Only with specific dimmers
569731	27PAR38TrueF 830 F25 DIM 120V-277V 6/1FB	Only with specific dimmers

Operating and electrical

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Nom)
534586	36PAR38/PER/830/S15/ND/120V 6/1FB	50 to 60 Hz	120 V	250 W	36 W
534594	36PAR38/PER/830/F25/ND/120V 6/1FB	50 to 60 Hz	120 V	250 W	36 W
534602	33PAR38/PER/830/S15/DIM/120V 6/1FB	50 to 60 Hz	120 V	250 W	33 W
534610	33PAR38/PER/830/F25/DIM/120V 6/1FB	50 to 60 Hz	120 V	250 W	33 W
534644	25.5PAR30L/PER/830/S15/ND/120-277V 6/1FB	50 to 60 Hz	120-277 V	75 W	25.5 W
534651	25.5PAR30L/PER/830/F25/ND/120-277V 6/1FB	50 to 60 Hz	120-277 V	75 W	25.5 W

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Nom)
534677	25.5PAR30L/PER/930/F25/ND/120-277V 6/1FB	50 to 60 Hz	120-277 V	75 W	25.5 W
534693	23PAR30s/PER/930/F25/ND/120V 6/1FB	50 to 60 Hz	120 V	75 W	23 W
534628	33PAR38/PER/830/S15/DIM/120V B 6/1FB	50 to 60 Hz	120 V	250 W	33 W
534636	33PAR38/PER/830/F25/DIM/120V B 6/1FB	50 to 60 Hz	120 V	250 W	33 W
569723	27PAR38TrueF 830 F15 DIM 120V-277V 6/1FB	60 Hz	120-277 V	250 W	27 W
569731	27PAR38TrueF 830 F25 DIM 120V-277V 6/1FB	60 Hz	120-277 V	250 W	27 W

Light technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Color Rendering Index (Nom)	Luminous Flux (Nom)
534586	36PAR38/PER/830/S15/ND/120V 6/1FB	15 °	830	80	3800 lm
534594	36PAR38/PER/830/F25/ND/120V 6/1FB	25 °	830	80	3800 lm
534602	33PAR38/PER/830/S15/DIM/120V 6/1FB	15 °	830	80	3000 lm
534610	33PAR38/PER/830/F25/DIM/120V 6/1FB	25 °	830	80	3000 lm

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Color Rendering Index (Nom)	Luminous Flux (Nom)
534644	25.5PAR30L/PER/830/S15/ND/120-277V 6/1FB	15 °	830	80	2500 lm
534651	25.5PAR30L/PER/830/F25/ND/120-277V 6/1FB	25 °	830	80	2500 lm
534677	25.5PAR30L/PER/930/F25/ND/120-277V 6/1FB	25 °	930	90	2150 lm
534693	23PAR30s/PER/930/F25/ND/120V 6/1FB	25 °	930	90	1900 lm

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Color Rendering Index (Nom)	Luminous Flux (Nom)
534628	33PAR38/PER/830/S15/DIM/120V B 6/1FB	15 °	830	80	3000 lm
534636	33PAR38/PER/830/F25/DIM/120V B 6/1FB	25 °	830	80	3000 lm

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Color Rendering Index (Nom)	Luminous Flux (Nom)
569723	27PAR38TrueF 830 F15 DIM 120V-277V 6/1FB	15 °	830	80	2800 lm
569731	27PAR38TrueF 830 F25 DIM 120V-277V 6/1FB	25 °	830	80	2800 lm

Light technical (2/2)

Order Code	Full Product Name	Luminous Intensity (Nom)
534586	36PAR38/PER/830/S15/ND/120V 6/1FB	31000 cd
534594	36PAR38/PER/830/F25/ND/120V 6/1FB	11000 cd
534602	33PAR38/PER/830/S15/DIM/120V 6/1FB	35000 cd
534610	33PAR38/PER/830/F25/DIM/120V 6/1FB	10000 cd
534644	25.5PAR30L/PER/830/S15/ND/120-277V 6/1FB	16000 cd
534651	25.5PAR30L/PER/830/F25/ND/120-277V 6/1FB	11500 cd

Order Code	Full Product Name	Luminous Intensity (Nom)
534677	25.5PAR30L/PER/930/F25/ND/120-277V 6/1FB	10000 cd
534693	23PAR30s/PER/930/F25/ND/120V 6/1FB	9000 cd
534628	33PAR38/PER/830/S15/DIM/120V B 6/1FB	35000 cd
534636	33PAR38/PER/830/F25/DIM/120V B 6/1FB	10000 cd
569723	27PAR38TrueF 830 F15 DIM 120V-277V 6/1FB	18000 cd
569731	27PAR38TrueF 830 F25 DIM 120V-277V 6/1FB	8500 cd

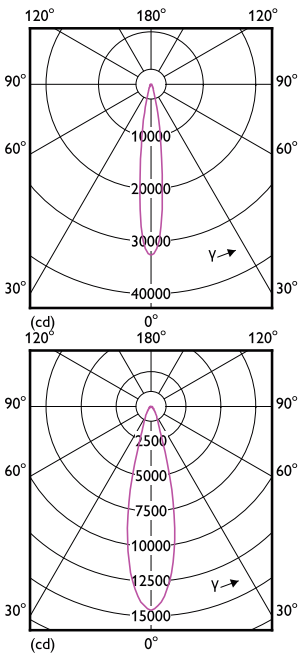
Mechanical and housing

Order Code	Full Product Name	Bulb Shape
534586	36PAR38/PER/830/S15/ND/120V 6/1FB	PAR38
534594	36PAR38/PER/830/F25/ND/120V 6/1FB	PAR38
534602	33PAR38/PER/830/S15/DIM/120V 6/1FB	PAR38
534610	33PAR38/PER/830/F25/DIM/120V 6/1FB	PAR38
534644	25.5PAR30L/PER/830/S15/ND/120-277V 6/1FB	PAR30L
534651	25.5PAR30L/PER/830/F25/ND/120-277V 6/1FB	PAR30L

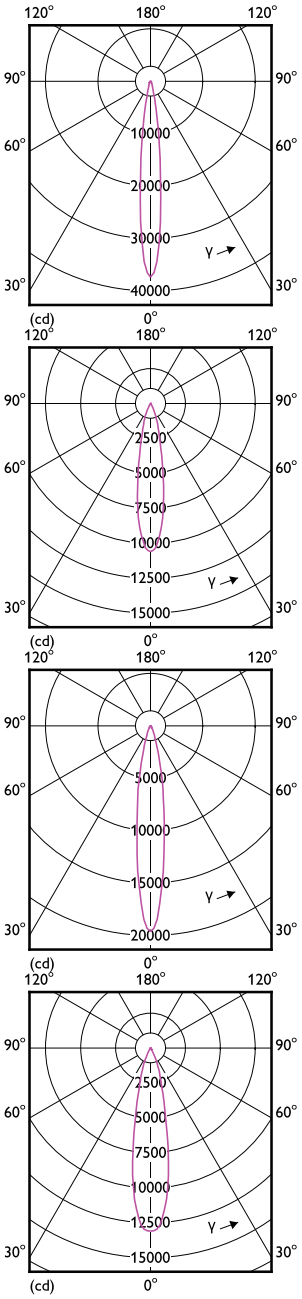
Order Code	Full Product Name	Bulb Shape
534677	25.5PAR30L/PER/930/F25/ND/120-277V 6/1FB	PAR30L
534693	23PAR30s/PER/930/F25/ND/120V 6/1FB	PAR30S
534628	33PAR38/PER/830/S15/DIM/120V B 6/1FB	PAR38
534636	33PAR38/PER/830/F25/DIM/120V B 6/1FB	PAR38
569723	27PAR38TrueF 830 F15 DIM 120V-277V 6/1FB	PAR38
569731	27PAR38TrueF 830 F25 DIM 120V-277V 6/1FB	PAR38

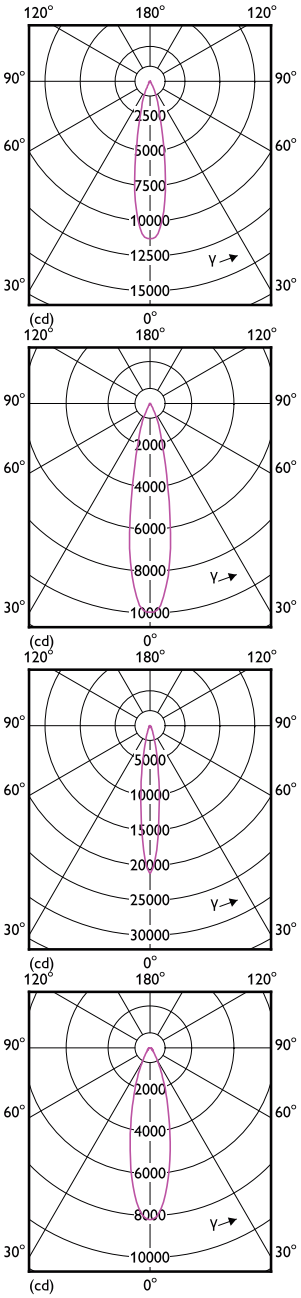
Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
534586	36PAR38/PER/830/S15/ND/120V 6/1FB	194 °F
534594	36PAR38/PER/830/F25/ND/120V 6/1FB	194 °F
534602	33PAR38/PER/830/S15/DIM/120V 6/1FB	194 °F
534610	33PAR38/PER/830/F25/DIM/120V 6/1FB	194 °F
534644	25.5PAR30L/PER/830/S15/ND/120-277V 6/1FB	203 °F
534651	25.5PAR30L/PER/830/F25/ND/120-277V 6/1FB	203 °F
534677	25.5PAR30L/PER/930/F25/ND/120-277V 6/1FB	203 °F
534693	23PAR30s/PER/930/F25/ND/120V 6/1FB	201.2 °F
534628	33PAR38/PER/830/S15/DIM/120V B 6/1FB	194 °F
534636	33PAR38/PER/830/F25/DIM/120V B 6/1FB	194 °F
569723	27PAR38TrueF 830 F15 DIM 120V-277V 6/1FB	167 °F
569731	27PAR38TrueF 830 F25 DIM 120V-277V 6/1FB	167 °F

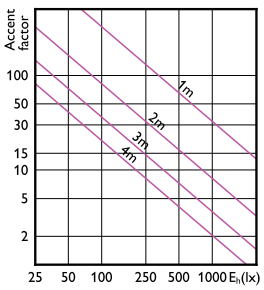


TrueForce High Lumen PAR

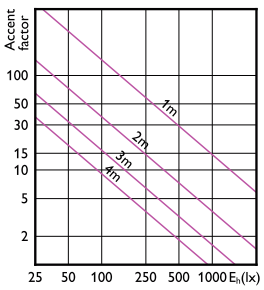




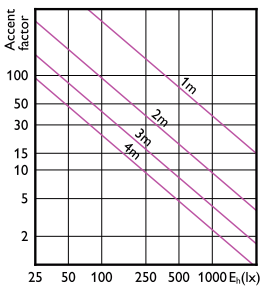
Accent Diagrams



LEDspot E26 PAR38 15D

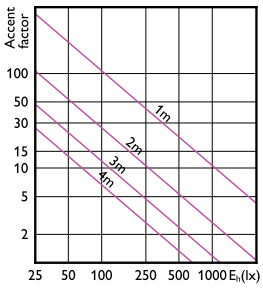


LEDspot E26 PAR38 25D

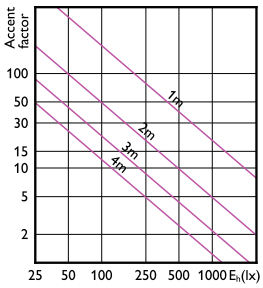


LEDSpot 33W E26 PAR38 S15

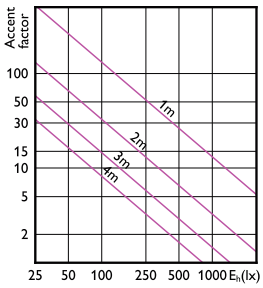
Accent Diagrams



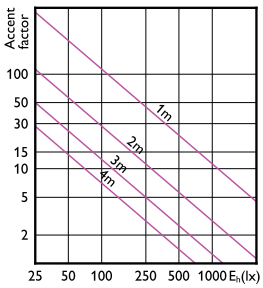
LEDSpot 33W E26 PAR38 F25



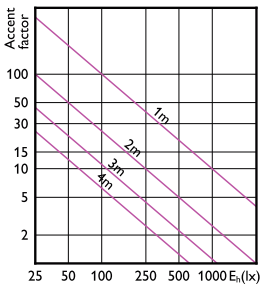
LEDspot 25,5 PAR30L 830 S15



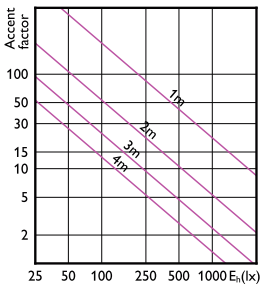
LEDspot 25,5 PAR30L 830 F25



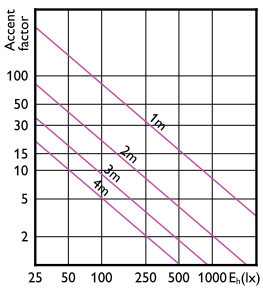
LEDspot 25,5 PAR30L 930 F25



LEDspot 23 PAR30L 930 F25

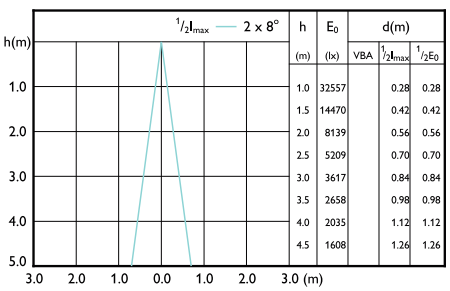


LEDspots TF 27W PAR38 E26 830 15D



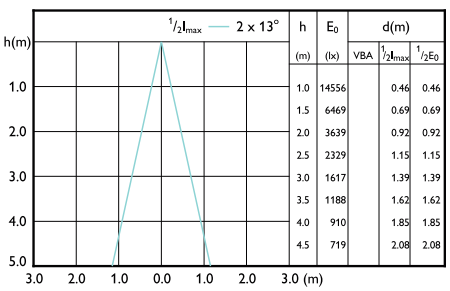
LEDspots TF 27W PAR38 E26 830 25D

Beam Diagrams



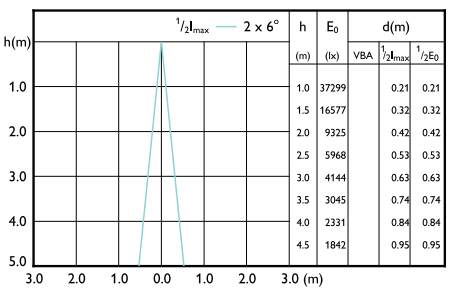
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	32557		0.28	0.28
1.5	14470		0.42	0.42
2.0	8139		0.56	0.56
2.5	5209		0.70	0.70
3.0	3617		0.84	0.84
3.5	2658		0.98	0.98
4.0	2035		1.12	1.12
4.5	1608		1.26	1.26

LEDspot E26 PAR38 15D



h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	14556		0.46	0.46
1.5	6469		0.69	0.69
2.0	3639		0.92	0.92
2.5	2329		1.15	1.15
3.0	1617		1.39	1.39
3.5	1188		1.62	1.62
4.0	910		1.85	1.85
4.5	719		2.08	2.08

LEDspot E26 PAR38 25D

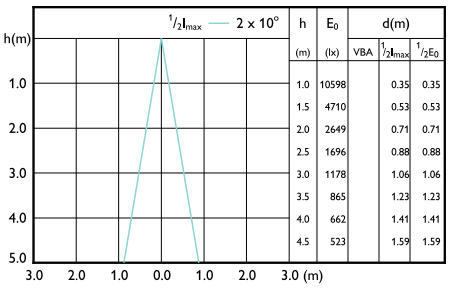


h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	37299		0.21	0.21
1.5	16577		0.32	0.32
2.0	9325		0.42	0.42
2.5	5968		0.53	0.53
3.0	4144		0.63	0.63
3.5	3045		0.74	0.74
4.0	2331		0.84	0.84
4.5	1842		0.95	0.95

LEDSpot 33W E26 PAR38 S15

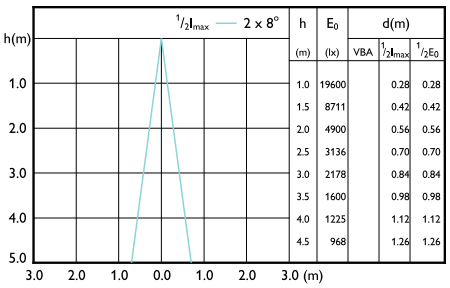
TrueForce High Lumen PAR

Beam Diagrams



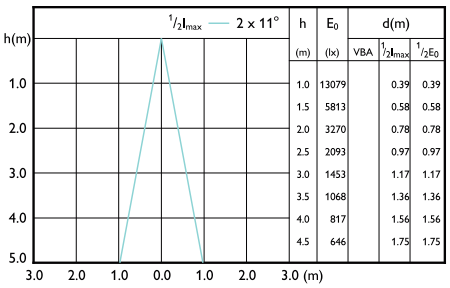
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	10598		0.35	0.35
1.5	4710		0.53	0.53
2.0	2649		0.71	0.71
2.5	1696		0.88	0.88
3.0	1178		1.06	1.06
3.5	865		1.23	1.23
4.0	662		1.41	1.41
4.5	523		1.59	1.59

LEDSpot 33W E26 PAR38 F25



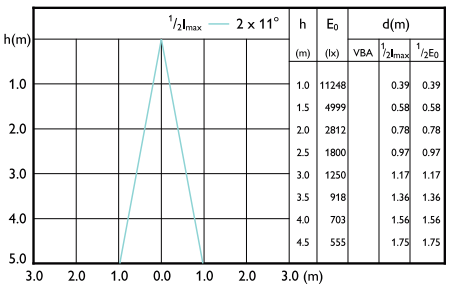
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	19600		0.28	0.28
1.5	8711		0.42	0.42
2.0	4900		0.56	0.56
2.5	3136		0.70	0.70
3.0	2178		0.84	0.84
3.5	1600		0.98	0.98
4.0	1225		1.12	1.12
4.5	968		1.26	1.26

LEDspot 25,5 PAR30L 830 S15



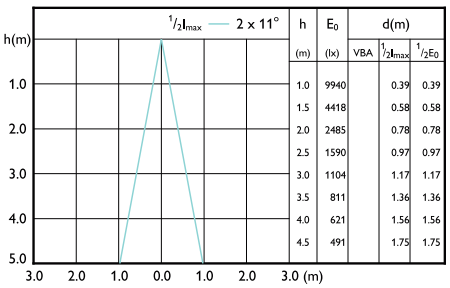
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	13079		0.39	0.39
1.5	5813		0.58	0.58
2.0	3270		0.78	0.78
2.5	2093		0.97	0.97
3.0	1453		1.17	1.17
3.5	1068		1.36	1.36
4.0	817		1.56	1.56
4.5	646		1.75	1.75

LEDspot 25,5 PAR30L 830 F25



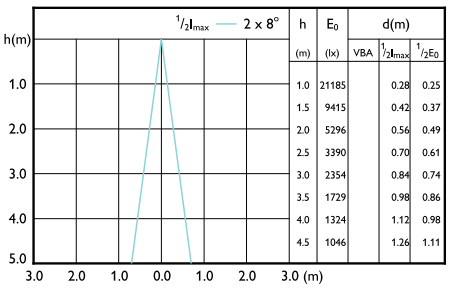
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	11248		0.39	0.39
1.5	4999		0.58	0.58
2.0	2812		0.78	0.78
2.5	1800		0.97	0.97
3.0	1250		1.17	1.17
3.5	918		1.36	1.36
4.0	703		1.56	1.56
4.5	555		1.75	1.75

LEDspot 25,5 PAR30L 930 F25



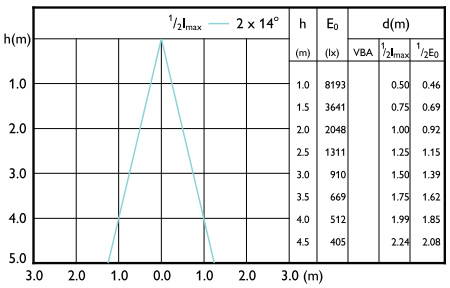
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	9940		0.39	0.39
1.5	4418		0.58	0.58
2.0	2485		0.78	0.78
2.5	1590		0.97	0.97
3.0	1104		1.17	1.17
3.5	811		1.36	1.36
4.0	621		1.56	1.56
4.5	491		1.75	1.75

LEDspot 23 PAR30L 930 F25



h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	21185		0.28	0.25
1.5	9415		0.42	0.37
2.0	5296		0.56	0.49
2.5	3390		0.70	0.61
3.0	2354		0.84	0.74
3.5	1729		0.98	0.86
4.0	1324		1.12	0.98
4.5	1046		1.26	1.11

LEDspots TF 27W PAR38 E26 830 15D



h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	8193		0.50	0.46
1.5	3641		0.75	0.69
2.0	2048		1.00	0.92
2.5	1311		1.25	1.15
3.0	910		1.50	1.39
3.5	669		1.75	1.62
4.0	512		1.99	1.85
4.5	405		2.24	2.08

LEDspots TF 27W PAR38 E26 830 25D

© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. All trademarks are owned by Signify Holding or their respective owners.