PHILIPS

Lighting



The optimal LED accent light with a seamless look.

LED PAR20

Philips is driving the switch to energy-efficient solutions. Upgrade your track and accent lights with our small diameter reflectors for instant energy savings and unbeatable quality. Available in both Glass and Plastic casings, Philips LED Par20s are the ideal replacement for halogen.

Benefits

- Up to 80% energy saving compared with halogen lamps and lower maintenance costs
- Easy to replace/retro-fit. Broad compatibility with transformers
- “Perfect fit” in most current Halogen fixtures

Features

- Ranging from 25000 hour LED Lifetime
- Easy to replace/retro-fit- “Perfect fit” in most current Halogen fixtures
- Optimized look and feel of product
- Available in both CRI 80 or CRI 90 options
- Ranging between 3-year to 5-year limited component warranty depending upon operating hours
- Color warms when dimmed (2700K to 2200K)

Application

- Hotels, restaurants, bars, cafés, museums, shops
- Lobbies, corridors, stairwells, washrooms, reception areas , exhibitions, display cabinets

LED PAR20

Versions

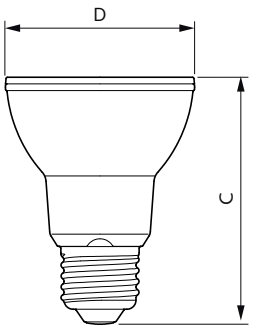


Single Contact Medium Screw PAR 2.5 inch Clear

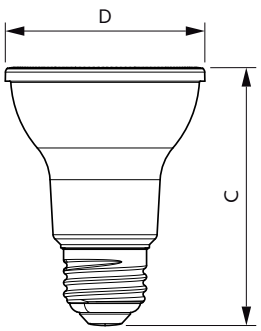


Single Contact Medium Screw PAR 2.5 inch Clear

Dimensional drawing



Product	D	C
5.5PAR20/LED/F25/940/DIM/G/T20 6/1FB	2-9/16 in	3-5/16 in
5.5PAR20/LED/F40/927-922/DIM/G/T20 6/1FB	2-9/16 in	3-5/16 in
5.5PAR20/LED/F25/927-922/DIM/G/T20 6/1FB	2-9/16 in	3-5/16 in
5.5PAR20/LED/F40/930/DIM/G/T20 6/1FB	2-9/16 in	3-5/16 in
5.5PAR20/LED/F25/930/DIM/G/T20 6/1FB	2-9/16 in	3-5/16 in
5.5PAR20/LED/F40/940/DIM/G/T20 6/1FB	2-9/16 in	3-5/16 in



Product	D	C
8.5PAR20/PER/927/F25/DIM/EC/120V 6/1FB	2-9/16 in	3-5/16 in
8.5PAR20/PER/930/F40/DIM/EC/120V 6/1FB	2-9/16 in	3-5/16 in
8.5PAR20/PER/930/F25/DIM/EC/120V 6/1FB	2-9/16 in	3-5/16 in

LED PAR20

Operating and electrical	
Input Frequency	50 to 60 Hz
Voltage (Nom)	120 V
Wattage Equivalent	50 W
Starting Time (Nom)	0.5 s

General information	
Cap-Base	E26
Nominal Lifetime (Nom)	25000 h

Light technical	
Llmf At End Of Nominal Lifetime (Nom)	70 %

Mechanical and housing	
Bulb Finish	Clear
Bulb Shape	PAR20

Approval and application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
535260	8.5PAR20/PER/927/F25/DIM/EC/120V 6/1FB	- kWh
535278	8.5PAR20/PER/930/F25/DIM/EC/120V 6/1FB	- kWh
535300	8.5PAR20/PER/930/F40/DIM/EC/120V 6/1FB	- kWh
568063	5.5PAR20/LED/F25/930/DIM/G/T20 6/1FB	-
568071	5.5PAR20/LED/F25/940/DIM/G/T20 6/1FB	-
568105	5.5PAR20/LED/F25/927-922/DIM/G/T20 6/1FB	-
568089	5.5PAR20/LED/F40/930/DIM/G/T20 6/1FB	-
568097	5.5PAR20/LED/F40/940/DIM/G/T20 6/1FB	-
568113	5.5PAR20/LED/F40/927-922/DIM/G/T20 6/1FB	-

Controls and dimming

Order Code	Full Product Name	Dimmable
535260	8.5PAR20/PER/927/F25/DIM/EC/120V 6/1FB	Yes
535278	8.5PAR20/PER/930/F25/DIM/EC/120V 6/1FB	Yes
535300	8.5PAR20/PER/930/F40/DIM/EC/120V 6/1FB	Yes
568063	5.5PAR20/LED/F25/930/DIM/G/T20 6/1FB	Only with specific dimmers
568071	5.5PAR20/LED/F25/940/DIM/G/T20 6/1FB	Only with specific dimmers
568105	5.5PAR20/LED/F25/927-922/DIM/G/T20 6/1FB	Only with specific dimmers

Order Code	Full Product Name	Dimmable
568089	5.5PAR20/LED/F40/930/DIM/G/T20 6/1FB	Only with specific dimmers
568097	5.5PAR20/LED/F40/940/DIM/G/T20 6/1FB	Only with specific dimmers
568113	5.5PAR20/LED/F40/927-922/DIM/G/T20 6/1FB	Only with specific dimmers

Operating and electrical

Order Code	Full Product Name	Power (Nom)
535260	8.5PAR20/PER/927/F25/DIM/EC/120V 6/1FB	8.5 W
535278	8.5PAR20/PER/930/F25/DIM/EC/120V 6/1FB	8.5 W
535300	8.5PAR20/PER/930/F40/DIM/EC/120V 6/1FB	8.5 W
568063	5.5PAR20/LED/F25/930/DIM/G/T20 6/1FB	5.5 W
568071	5.5PAR20/LED/F25/940/DIM/G/T20 6/1FB	5.5 W

Order Code	Full Product Name	Power (Nom)
568105	5.5PAR20/LED/F25/927-922/DIM/G/T20 6/1FB	5.5 W
568089	5.5PAR20/LED/F40/930/DIM/G/T20 6/1FB	5.5 W
568097	5.5PAR20/LED/F40/940/DIM/G/T20 6/1FB	5.5 W
568113	5.5PAR20/LED/F40/927-922/DIM/G/T20 6/1FB	5.5 W

General information

Order Code	Full Product Name	Switching Cycle
535260	8.5PAR20/PER/927/F25/DIM/EC/120V 6/1FB	50000
535278	8.5PAR20/PER/930/F25/DIM/EC/120V 6/1FB	50000
535300	8.5PAR20/PER/930/F40/DIM/EC/120V 6/1FB	50000
568063	5.5PAR20/LED/F25/930/DIM/G/T20 6/1FB	25000
568071	5.5PAR20/LED/F25/940/DIM/G/T20 6/1FB	25000

Order Code	Full Product Name	Switching Cycle
568105	5.5PAR20/LED/F25/927-922/DIM/G/T20 6/1FB	25000
568089	5.5PAR20/LED/F40/930/DIM/G/T20 6/1FB	50000
568097	5.5PAR20/LED/F40/940/DIM/G/T20 6/1FB	50000
568113	5.5PAR20/LED/F40/927-922/DIM/G/T20 6/1FB	50000

Light technical (1/2)

LED PAR20

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)
535260	8.5PAR20/PER/927/F25/DIM/EC/120V 6/1FB	25 °	927	2700 K	95
535278	8.5PAR20/PER/930/F25/DIM/EC/120V 6/1FB	25 °	930	3000 K	95
535300	8.5PAR20/PER/930/F40/DIM/EC/120V 6/1FB	40 °	930	3000 K	95
568063	5.5PAR20/LED/F25/930/DIM/G/T20 6/1FB	25 °	930	3000 K	90
568071	5.5PAR20/LED/F25/940/DIM/G/T20 6/1FB	25 °	940	4000 K	90

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)
568105	5.5PAR20/LED/F25/927-922/DIM/G/T20 6/1FB	25 °	922-927	2200, 2700 K	90
568089	5.5PAR20/LED/F40/930/DIM/G/T20 6/1FB	40 °	930	3000 K	90
568097	5.5PAR20/LED/F40/940/DIM/G/T20 6/1FB	40 °	940	4000 K	90
568113	5.5PAR20/LED/F40/927-922/DIM/G/T20 6/1FB	40 °	922-927	2200, 2700 K	90

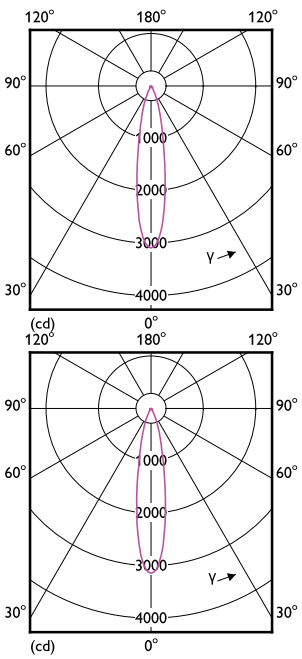
Light technical (2/2)

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Intensity (Nom)
535260	8.5PAR20/PER/927/F25/DIM/EC/120V 6/1FB	600 lm	2450 cd
535278	8.5PAR20/PER/930/F25/DIM/EC/120V 6/1FB	610 lm	2550 cd
535300	8.5PAR20/PER/930/F40/DIM/EC/120V 6/1FB	610 lm	1100 cd
568063	5.5PAR20/LED/F25/930/DIM/G/T20 6/1FB	500 lm	1500 cd
568071	5.5PAR20/LED/F25/940/DIM/G/T20 6/1FB	500 lm	1500 cd

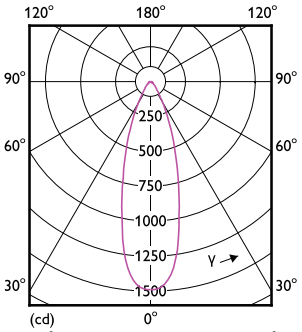
Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Intensity (Nom)
568105	5.5PAR20/LED/F25/927-922/DIM/G/T20 6/1FB	500 lm	1300 cd
568089	5.5PAR20/LED/F40/930/DIM/G/T20 6/1FB	500 lm	1000 cd
568097	5.5PAR20/LED/F40/940/DIM/G/T20 6/1FB	500 lm	1000 cd
568113	5.5PAR20/LED/F40/927-922/DIM/G/T20 6/1FB	500 lm	800 cd

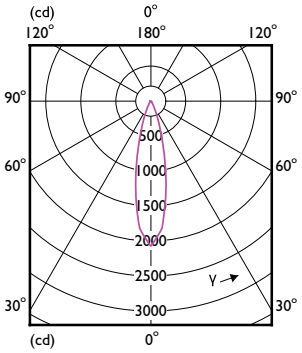
Temperature

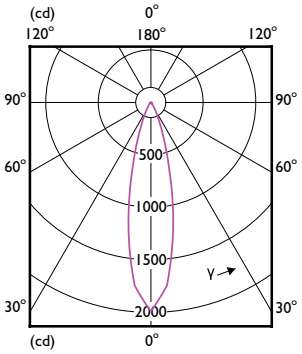
Order Code	Full Product Name	T-Case Maximum (Nom)
535260	8.5PAR20/PER/927/F25/DIM/EC/120V 6/1FB	186.8 °F
535278	8.5PAR20/PER/930/F25/DIM/EC/120V 6/1FB	186.8 °F
535300	8.5PAR20/PER/930/F40/DIM/EC/120V 6/1FB	186.8 °F
568063	5.5PAR20/LED/F25/930/DIM/G/T20 6/1FB	167 °F
568071	5.5PAR20/LED/F25/940/DIM/G/T20 6/1FB	167 °F
568105	5.5PAR20/LED/F25/927-922/DIM/G/T20 6/1FB	167 °F
568089	5.5PAR20/LED/F40/930/DIM/G/T20 6/1FB	167 °F
568097	5.5PAR20/LED/F40/940/DIM/G/T20 6/1FB	167 °F
568113	5.5PAR20/LED/F40/927-922/DIM/G/T20 6/1FB	167 °F

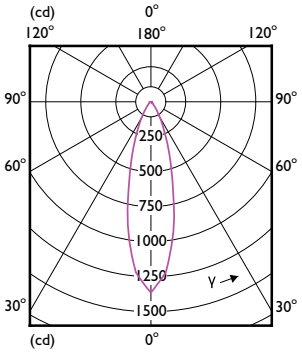


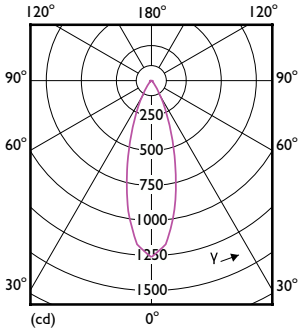
LED PAR20

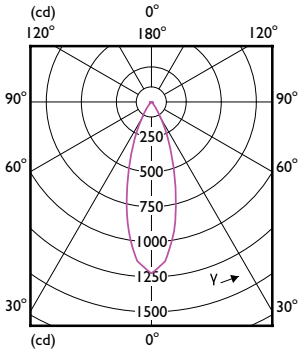

120°
180°
120°
90°
90°
60°
60°
30°
30°
250
500
750
1000
1250
1500
γ
(cd)
0°

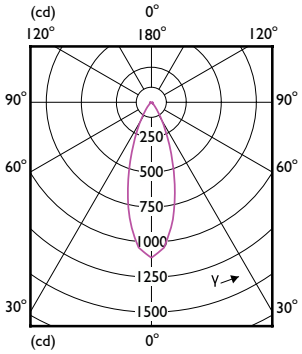

120°
180°
120°
90°
90°
60°
60°
30°
30°
500
1000
1500
2000
2500
3000
γ
(cd)
0°


120°
180°
120°
90°
90°
60°
60°
30°
30°
500
1000
1500
2000
γ
(cd)
0°

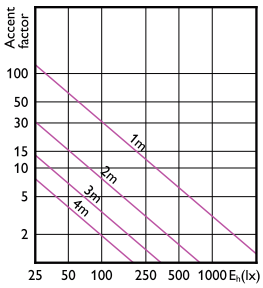

120°
180°
120°
90°
90°
60°
60°
30°
30°
250
500
750
1000
1250
1500
γ
(cd)
0°


120°
180°
120°
90°
90°
60°
60°
30°
30°
250
500
750
1000
1250
1500
γ
(cd)
0°

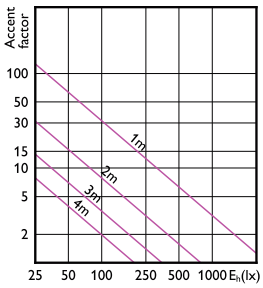

120°
180°
120°
90°
90°
60°
60°
30°
30°
250
500
750
1000
1250
1500
γ
(cd)
0°


120°
180°
120°
90°
90°
60°
60°
30°
30°
250
500
750
1000
1250
1500
γ
(cd)
0°

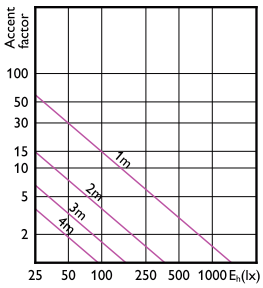
Accent Diagrams



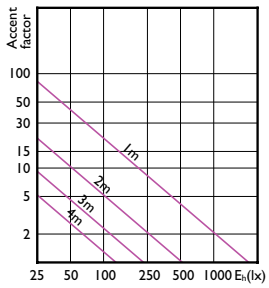
LEDSpot PAR20 E26 2700K 25D



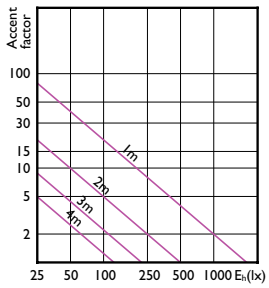
LEDSpot PAR20 E26 3000K 25D



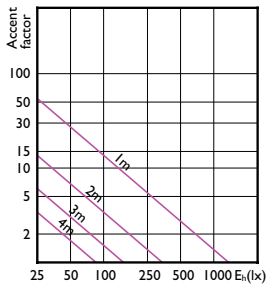
LEDSpot PAR20 E26 3000K 40D



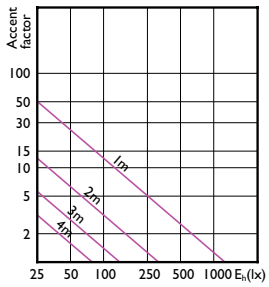
LEDspots N DIM 5,5W PAR20 E26 930 25D-LA2



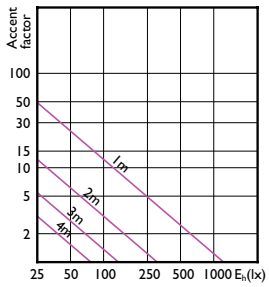
LEDspots N DIM 5,5W PAR20 E26 940 25D-LA2



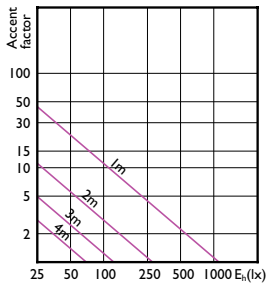
LEDspots N DIM 5,5W PAR20 E26 922 25D-LA2



LEDspots N DIM 5,5W PAR20 E26 930 40D-LA2

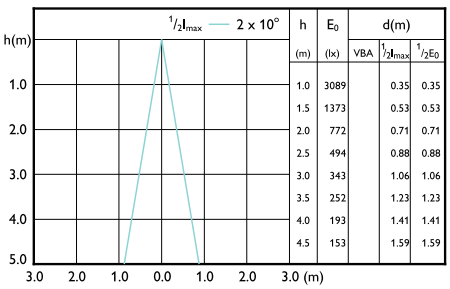


LEDspots N DIM 5,5W PAR20 E26 940 40D-LA2



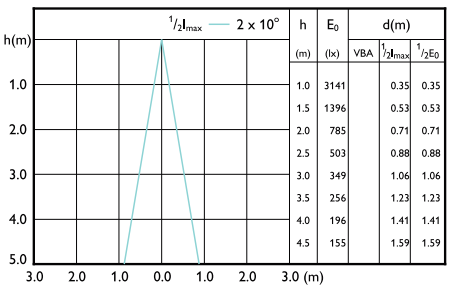
LEDspots N DIM 5,5W PAR20 E26 922 40D-LA2

Beam Diagrams



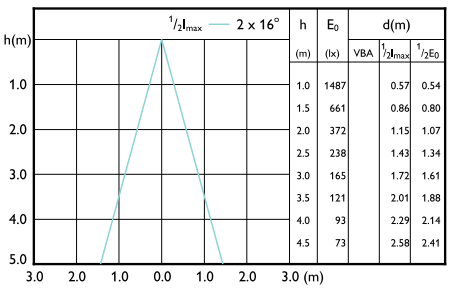
h (m)	E0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	3089		0.35	0.35
1.5	1373		0.53	0.53
2.0	772		0.71	0.71
2.5	494		0.88	0.88
3.0	343		1.06	1.06
3.5	252		1.23	1.23
4.0	193		1.41	1.41
4.5	153		1.59	1.59

LEDSpot PAR20 E26 2700K 25D



h (m)	E0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	3141		0.35	0.35
1.5	1396		0.53	0.53
2.0	785		0.71	0.71
2.5	503		0.88	0.88
3.0	349		1.06	1.06
3.5	256		1.23	1.23
4.0	196		1.41	1.41
4.5	155		1.59	1.59

LEDSpot PAR20 E26 3000K 25D

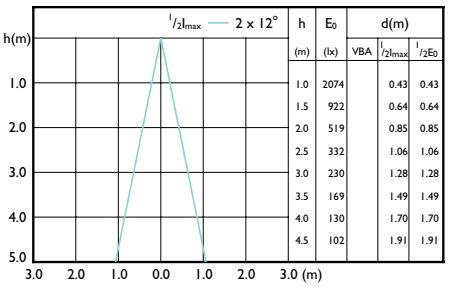


h (m)	E0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	1487		0.57	0.54
1.5	661		0.86	0.80
2.0	372		1.15	1.07
2.5	238		1.43	1.34
3.0	165		1.72	1.61
3.5	121		2.01	1.88
4.0	93		2.29	2.14
4.5	73		2.58	2.41

LEDSpot PAR20 E26 3000K 40D

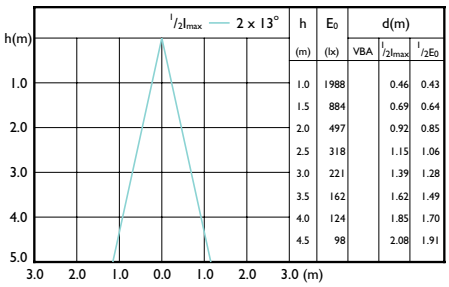
LED PAR20

Beam Diagrams



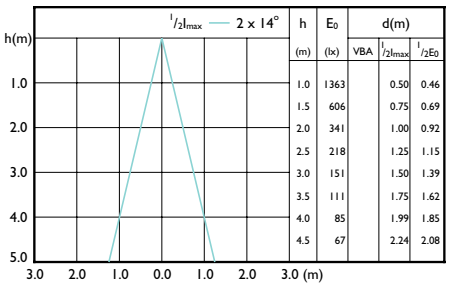
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	2074		0.43	0.43
1.5	922		0.64	0.64
2.0	519		0.85	0.85
2.5	332		1.06	1.06
3.0	230		1.28	1.28
3.5	169		1.49	1.49
4.0	130		1.70	1.70
4.5	102		1.91	1.91

LEDspots N DIM 5,5W PAR20 E26 930 25D-LBP



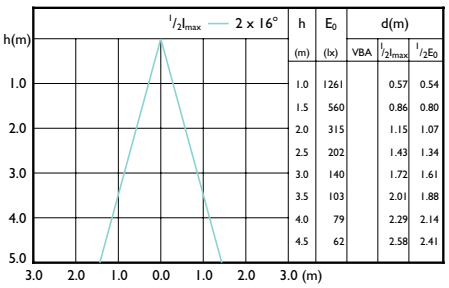
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	1988		0.46	0.43
1.5	884		0.69	0.64
2.0	497		0.92	0.85
2.5	318		1.15	1.06
3.0	221		1.39	1.28
3.5	162		1.62	1.49
4.0	124		1.85	1.70
4.5	98		2.08	1.91

LEDspots N DIM 5,5W PAR20 E26 940 25D-LBP



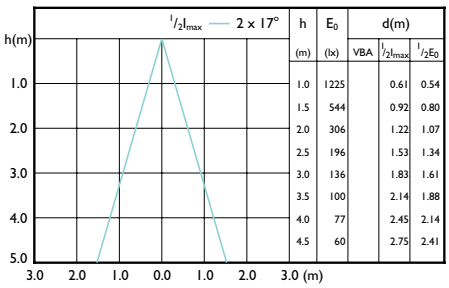
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	1363		0.50	0.46
1.5	606		0.75	0.69
2.0	341		1.00	0.92
2.5	218		1.25	1.15
3.0	151		1.50	1.39
3.5	111		1.75	1.62
4.0	85		1.99	1.85
4.5	67		2.24	2.08

LEDspots N DIM 5,5W PAR20 E26 922 25D-LBP



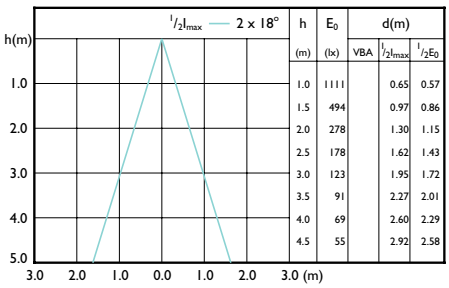
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	1261		0.57	0.54
1.5	560		0.86	0.80
2.0	315		1.15	1.07
2.5	202		1.43	1.34
3.0	140		1.72	1.61
3.5	103		2.01	1.88
4.0	79		2.29	2.14
4.5	62		2.58	2.41

LEDspots N DIM 5,5W PAR20 E26 930 40D-LBP



h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	1225		0.61	0.54
1.5	544		0.92	0.80
2.0	306		1.22	1.07
2.5	196		1.53	1.34
3.0	136		1.83	1.61
3.5	100		2.14	1.88
4.0	77		2.45	2.14
4.5	60		2.75	2.41

LEDspots N DIM 5,5W PAR20 E26 940 40D-LBP



h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	1111		0.65	0.57
1.5	494		0.97	0.86
2.0	278		1.30	1.15
2.5	178		1.62	1.43
3.0	123		1.95	1.72
3.5	91		2.27	2.01
4.0	69		2.60	2.29
4.5	55		2.92	2.58

LEDspots N DIM 5,5W PAR20 E26 922 40D-LBP

© 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.