



# LEDTOUCH™ Spot Light

## Datasheet



IP20

LEDTOUCH™ Spot Light series is the superior general lighting solution for hotel, shopping malls, office buildings and public spaces with simple appearance design and rigid metal body. Leading-edge optics and recessed structure design provide high lumen output and low glare which result in excellent lighting performance. LEDTOUCH™ Spot Light series offers a wide range of sizes, powers and beam angles for creating the perfect space hierarchy, space atmosphere and sense of well-being.

### Benefits

New ID with stable quality

- Recessed structure design brings good glare control
- Modular design is easy to configure

Outstanding light performance

- Without flicker, Low glare
- CRI90, UGR<15
- Up to 85 lm/W
- 30,000hrs lifetime

Whole range for all applications

- Size: 3"/3.5"/4"/5"/6"
- 8 powers: 8W/15W/20W/24W/28W/33W/38W/42W
- 3000K/4000K/5000K

### Applications

- Hotel
- Shopping Mall
- Office buildings
- Retail stores
- Airports
- Metro stations
- Public buildings

# LEDTOUCH™ Spot Light

## Technical Data

### Optical Specifications

		8W	15W	15W	20W	24W	28W	33W	38W	42W
		3" & 3.5"	3" & 3.5"	4"	4"	4"	5"	5"	6"	6"
Luminous Flux	@4000K R90 38°	680 lm	1270 lm	1270 lm	1700 lm	2040 lm	2380 lm	2805 lm	3230 lm	3570 lm
Efficacy	@4000K R90 38°	85 lm/W								
CCT		3000K/4000K/5000K								
CRI		>90								
SDCM		<5								
UGR		<15								
Beam Angle		15°/ 24°/ 38°								

### Electrical and Mechanical Specifications

Input Voltage	220-240V AC 50/60Hz											
Power Consumption		8W	15W	15W	20W	24W	28W	33W	38W	42W		
Power Factor		>0.9										
Surge Protection		Line-to-line 1KV, line-to-ground 2KV										
Dimensions		3"	3.5"	3"	3.5"	4"	4"	4"	5"	5"	6"	6"
	Diameter (mm)	85	102	85	102	112	112	112	140	140	165	165
	Height (mm)	89	95	112	118	122	140	140	169	169	184	184
Mounting Hole	Diameter (mm)	75	90	75	90	100	100	100	125	125	150	150
Weight (kg)		0.3	0.35	0.37	0.40	0.45	0.67	0.67	1.10	1.10	1.41	1.41
Cover Lens		PMMA										
Housing		Aluminum										

### System Specifications

Power	220-240V AC 50/60Hz
Control	ON/OFF
Installation	Recessed mounting
Operating Temperature	-10°C to +40°C
Storage Temperature	-10°C to +60°C
Environment	Indoor (IP20)
Lumen Maintenance	L70@25°C - 30,000hrs
Safety Approval	Electrical Protection Class II, CB, CCC,

Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

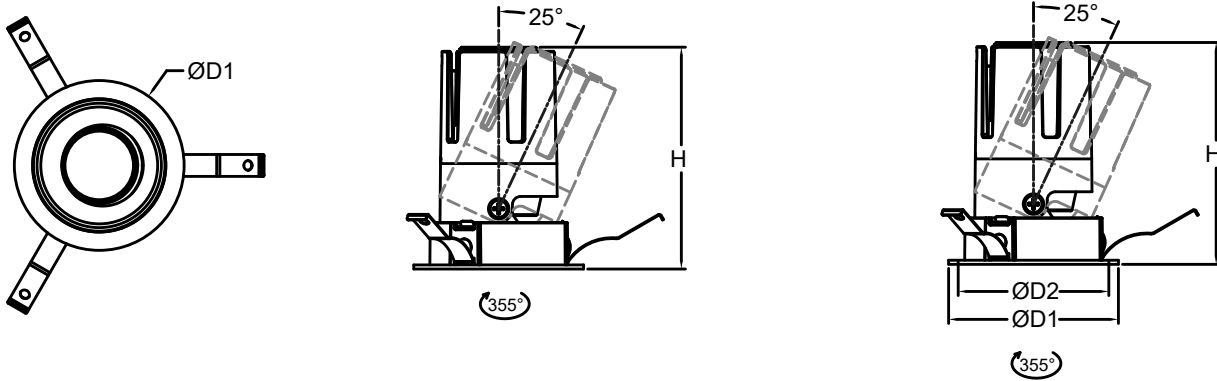
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# LEDTOUCH™ Spot Light

## Dimensions



## Dimensions

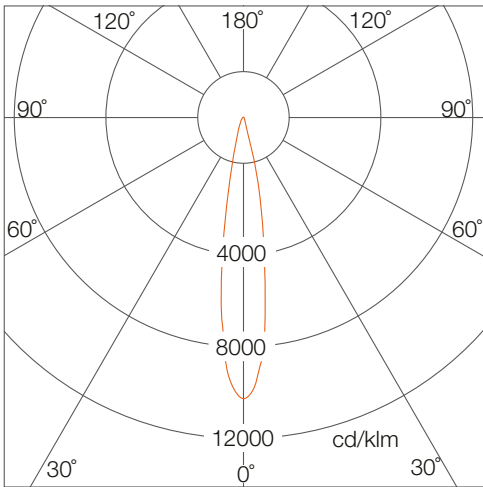
	3"	3.5"	4"	5"	6"
D1	85mm	102mm	112mm	140mm	165mm
D2	75mm	90mm	100mm	125mm	150mm
H	89mm @8W 112mm @15W	95mm @8W 118mm @15W	122mm @15W 140mm @20W/24W	169mm	184mm

# LEDTOUCH™ Spot Light

## Photometrics

### 15°

#### Light Distribution Curve



#### Illuminance at a distance

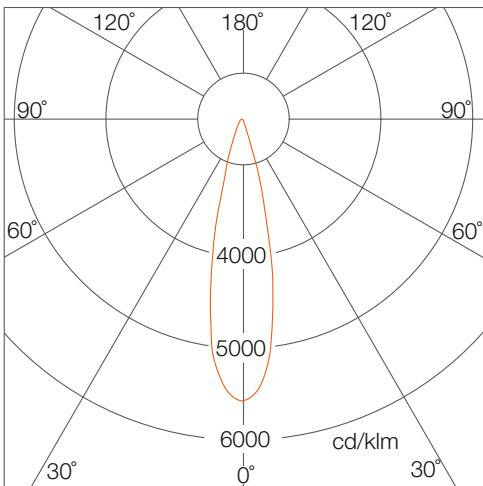
	Center Beam Lux/klm	Beam Width
0.5m	37438	0.15m
1m	9359	0.31m
1.5m	4160	0.46m
2m	2340	0.61m
2.5m	1498	0.77m
3m	1040	0.92m

For feet multiply by 3.28

● Horiz.Spread: 17.4°  
For fc divide by 10.7

### 24°

#### Light Distribution Curve



#### Illuminance at a distance

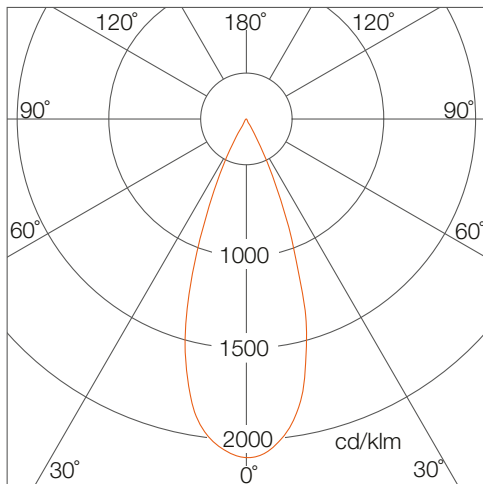
	Center Beam Lux/klm	Beam Width
0.5m	22057	0.21m
1m	5514	0.42m
1.5m	2451	0.63m
2m	1309	0.84m
2.5m	882	1.05m
3m	613	1.26m

For feet multiply by 3.28

● Horiz.Spread: 23.8°  
For fc divide by 10.7

### 38°

#### Light Distribution Curve



#### Illuminance at a distance

	Center Beam Lux/klm	Beam Width
0.5m	9618	0.35m
1m	2405	0.70m
1.5m	1069	1.06m
2m	601	1.41m
2.5m	385	1.76m
3m	267	2.11m

For feet multiply by 3.28

● Horiz.Spread: 38.8°  
For fc divide by 10.7

Due to the manufacturing processes of LED, the polar candela distribution and distance luminaries only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product that may differ from the typical values.

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## Ordering Codes

### Fixture

Short Text	Power	CCT	Beam Angle	IC	EAN10	EAN40
LDTH SL300R 8W 930 15D 36X1 OSRAM	8W	3000K	15°	AM438610055	4062172274432	4062172274449
LDTH SL300R 8W 930 24D 36X1 OSRAM	8W	3000K	24°	AM438620055	4062172274456	4062172274463
LDTH SL300R 8W 930 38D 36X1 OSRAM	8W	3000K	38°	AM438630055	4062172274470	4062172274487
LDTH SL300R 8W 940 15D 36X1 OSRAM	8W	4000K	15°	AM438640055	4062172274494	4062172274500
LDTH SL300R 8W 940 24D 36X1 OSRAM	8W	4000K	24°	AM438650055	4062172274517	4062172274524
LDTH SL300R 8W 940 38D 36X1 OSRAM	8W	4000K	38°	AM438660055	4062172274531	4062172274548
LDTH SL300R 8W 950 15D 36X1 OSRAM	8W	5000K	15°	AM438670055	4062172274555	4062172274562
LDTH SL300R 8W 950 24D 36X1 OSRAM	8W	5000K	24°	AM438680055	4062172274579	4062172274586
LDTH SL300R 8W 950 38D 36X1 OSRAM	8W	5000K	38°	AM438690055	4062172274593	4062172274609
LDTH SL300R 15W 930 15D 36X1 OSRAM	15W	3000K	15°	AM438700055	4062172274616	4062172274623
LDTH SL300R 15W 930 24D 36X1 OSRAM	15W	3000K	24°	AM438710055	4062172274630	4062172274647
LDTH SL300R 15W 930 38D 36X1 OSRAM	15W	3000K	38°	AM438720055	4062172274654	4062172274661
LDTH SL300R 15W 940 15D 36X1 OSRAM	15W	4000K	15°	AM438730055	4062172274678	4062172274685
LDTH SL300R 15W 940 24D 36X1 OSRAM	15W	4000K	24°	AM438740055	4062172274692	4062172274708
LDTH SL300R 15W 940 38D 36X1 OSRAM	15W	4000K	38°	AM438750055	4062172274715	4062172274722
LDTH SL300R 15W 950 15D 36X1 OSRAM	15W	5000K	15°	AM438760055	4062172274739	4062172274746
LDTH SL300R 15W 950 24D 36X1 OSRAM	15W	5000K	24°	AM438770055	4062172274753	4062172274760
LDTH SL300R 15W 950 38D 36X1 OSRAM	15W	5000K	38°	AM438780055	4062172274777	4062172274784
LDTH SL350R 8W 930 15D 36X1 OSRAM	8W	3000K	15°	AM438790055	4062172274791	4062172274807
LDTH SL350R 8W 930 24D 36X1 OSRAM	8W	3000K	24°	AM438800055	4062172274814	4062172274821
LDTH SL350R 8W 930 38D 36X1 OSRAM	8W	3000K	38°	AM438810055	4062172274838	4062172274845
LDTH SL350R 8W 940 15D 36X1 OSRAM	8W	4000K	15°	AM438820055	4062172274852	4062172274869
LDTH SL350R 8W 940 24D 36X1 OSRAM	8W	4000K	24°	AM438830055	4062172274876	4062172274883
LDTH SL350R 8W 940 38D 36X1 OSRAM	8W	4000K	38°	AM438840055	4062172274890	4062172274906
LDTH SL350R 8W 950 15D 36X1 OSRAM	8W	5000K	15°	AM438850055	4062172274913	4062172274920
LDTH SL350R 8W 950 24D 36X1 OSRAM	8W	5000K	24°	AM438860055	4062172274937	4062172274944
LDTH SL350R 8W 950 38D 36X1 OSRAM	8W	5000K	38°	AM438870055	4062172274951	4062172274968
LDTH SL350R 15W 930 15D 24X1 OSRAM	15W	3000K	15°	AM438880055	4062172275477	4062172275484
LDTH SL350R 15W 930 24D 24X1 OSRAM	15W	3000K	24°	AM438890055	4062172275491	4062172275507
LDTH SL350R 15W 930 38D 24X1 OSRAM	15W	3000K	38°	AM438900055	4062172275514	4062172275521
LDTH SL350R 15W 940 15D 24X1 OSRAM	15W	4000K	15°	AM438910055	4062172275538	4062172275545
LDTH SL350R 15W 940 24D 24X1 OSRAM	15W	4000K	24°	AM438920055	4062172275552	4062172275569
LDTH SL350R 15W 940 38D 24X1 OSRAM	15W	4000K	38°	AM438930055	4062172275576	4062172275583
LDTH SL350R 15W 950 15D 24X1 OSRAM	15W	5000K	15°	AM438940055	4062172275590	4062172275606
LDTH SL350R 15W 950 24D 24X1 OSRAM	15W	5000K	24°	AM438950055	4062172275613	4062172275620
LDTH SL350R 15W 950 38D 24X1 OSRAM	15W	5000K	38°	AM438960055	4062172275637	4062172275644
LDTH SL400R 15W 930 15D 24X1 OSRAM	15W	3000K	15°	AM438970055	4062172275651	4062172275668
LDTH SL400R 15W 930 24D 24X1 OSRAM	15W	3000K	24°	AM438980055	4062172275675	4062172275682
LDTH SL400R 15W 930 38D 24X1 OSRAM	15W	3000K	38°	AM438990055	4062172275699	4062172275705
LDTH SL400R 15W 940 15D 24X1 OSRAM	15W	4000K	15°	AM439000055	4062172275712	4062172275729
LDTH SL400R 15W 940 24D 24X1 OSRAM	15W	4000K	24°	AM439010055	4062172275736	4062172275743
LDTH SL400R 15W 940 38D 24X1 OSRAM	15W	4000K	38°	AM439020055	4062172275750	4062172275767
LDTH SL400R 15W 950 15D 24X1 OSRAM	15W	5000K	15°	AM439030055	4062172275774	4062172275781
LDTH SL400R 15W 950 24D 24X1 OSRAM	15W	5000K	24°	AM439040055	4062172275798	4062172275804
LDTH SL400R 15W 950 38D 24X1 OSRAM	15W	5000K	38°	AM439050055	4062172275811	4062172275828
LDTH SL400R 20W 930 15D 18X1 OSRAM	20W	3000K	15°	AM439060055	4062172275835	4062172275842
LDTH SL400R 20W 930 24D 18X1 OSRAM	20W	3000K	24°	AM439070055	4062172275859	4062172275866
LDTH SL400R 20W 930 38D 18X1 OSRAM	20W	3000K	38°	AM439080055	4062172275873	4062172275880

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## Ordering Codes

### Fixture

Short Text	Power	CCT	Beam Angle	IC	EAN10	EAN40
LDTH SL400R 20W 940 15D 18X1 OSRAM	20W	4000K	15°	AM439090055	4062172275897	4062172275903
LDTH SL400R 20W 940 24D 18X1 OSRAM	20W	4000K	24°	AM439100055	4062172275910	4062172275927
LDTH SL400R 20W 940 38D 18X1 OSRAM	20W	4000K	38°	AM439110055	4062172274975	4062172274982
LDTH SL400R 20W 950 15D 18X1 OSRAM	20W	5000K	15°	AM439120055	4062172274999	4062172275002
LDTH SL400R 20W 950 24D 18X1 OSRAM	20W	5000K	24°	AM439130055	4062172275019	4062172275026
LDTH SL400R 20W 950 38D 18X1 OSRAM	20W	5000K	38°	AM439140055	4062172275033	4062172275040
LDTH SL400R 24W 930 15D 18X1 OSRAM	24W	3000K	15°	AM439150055	4062172275057	4062172275064
LDTH SL400R 24W 930 24D 18X1 OSRAM	24W	3000K	24°	AM439160055	4062172275071	4062172275088
LDTH SL400R 24W 930 38D 18X1 OSRAM	24W	3000K	38°	AM439170055	4062172275095	4062172275101
LDTH SL400R 24W 940 15D 18X1 OSRAM	24W	4000K	15°	AM439180055	4062172275118	4062172275125
LDTH SL400R 24W 940 24D 18X1 OSRAM	24W	4000K	24°	AM439190055	4062172275132	4062172275149
LDTH SL400R 24W 940 38D 18X1 OSRAM	24W	4000K	38°	AM439200055	4062172275156	4062172275163
LDTH SL400R 24W 950 15D 18X1 OSRAM	24W	5000K	15°	AM439210055	4062172275170	4062172275187
LDTH SL400R 24W 950 24D 18X1 OSRAM	24W	5000K	24°	AM439220055	4062172275194	4062172275200
LDTH SL400R 24W 950 38D 18X1 OSRAM	24W	5000K	38°	AM439230055	4062172275217	4062172275224
LDTH SL500R 28W 930 15D 8X1 OSRAM	28W	3000K	15°	AM439240055	4062172275231	4062172275248
LDTH SL500R 28W 930 24D 8X1 OSRAM	28W	3000K	24°	AM439250055	4062172275255	4062172275262
LDTH SL500R 28W 930 38D 8X1 OSRAM	28W	3000K	38°	AM439260055	4062172275279	4062172275286
LDTH SL500R 28W 940 15D 8X1 OSRAM	28W	4000K	15°	AM439270055	4062172275293	4062172275309
LDTH SL500R 28W 940 24D 8X1 OSRAM	28W	4000K	24°	AM439280055	4062172275316	4062172275323
LDTH SL500R 28W 940 38D 8X1 OSRAM	28W	4000K	38°	AM439290055	4062172275330	4062172275347
LDTH SL500R 28W 950 15D 8X1 OSRAM	28W	5000K	15°	AM439300055	4062172275354	4062172275361
LDTH SL500R 28W 950 24D 8X1 OSRAM	28W	5000K	24°	AM439310055	4062172275378	4062172275385
LDTH SL500R 28W 950 38D 8X1 OSRAM	28W	5000K	38°	AM439320055	4062172275392	4062172275408
LDTH SL500R 33W 930 15D 8X1 OSRAM	33W	3000K	15°	AM439330055	4062172275415	4062172275422
LDTH SL500R 33W 930 24D 8X1 OSRAM	33W	3000K	24°	AM439340055	4062172275439	4062172275446
LDTH SL500R 33W 930 38D 8X1 OSRAM	33W	3000K	38°	AM439350055	4062172275453	4062172275460
LDTH SL500R 33W 940 15D 8X1 OSRAM	33W	4000K	15°	AM439360055	4062172275934	4062172275941
LDTH SL500R 33W 940 24D 8X1 OSRAM	33W	4000K	24°	AM439370055	4062172275958	4062172275965
LDTH SL500R 33W 940 38D 8X1 OSRAM	33W	4000K	38°	AM439380055	4062172275972	4062172275989
LDTH SL500R 33W 950 15D 8X1 OSRAM	33W	5000K	15°	AM439390055	4062172275996	4062172276009
LDTH SL500R 33W 950 24D 8X1 OSRAM	33W	5000K	24°	AM439400055	4062172276016	4062172276023
LDTH SL500R 33W 950 38D 8X1 OSRAM	33W	5000K	38°	AM439410055	4062172276030	4062172276047
LDTH SL600R 38W 930 15D 8X1 OSRAM	38W	3000K	15°	AM439420055	4062172276054	4062172276061
LDTH SL600R 38W 930 24D 8X1 OSRAM	38W	3000K	24°	AM439430055	4062172276078	4062172276085
LDTH SL600R 38W 930 38D 8X1 OSRAM	38W	3000K	38°	AM439440055	4062172276092	4062172276108
LDTH SL600R 38W 940 15D 8X1 OSRAM	38W	4000K	15°	AM439450055	4062172276115	4062172276122
LDTH SL600R 38W 940 24D 8X1 OSRAM	38W	4000K	24°	AM439460055	4062172276139	4062172276146
LDTH SL600R 38W 940 38D 8X1 OSRAM	38W	4000K	38°	AM439470055	4062172276153	4062172276160
LDTH SL600R 38W 950 15D 8X1 OSRAM	38W	5000K	15°	AM439480055	4062172276177	4062172276184
LDTH SL600R 38W 950 24D 8X1 OSRAM	38W	5000K	24°	AM439490055	4062172276191	4062172276207
LDTH SL600R 38W 950 38D 8X1 OSRAM	38W	5000K	38°	AM439500055	4062172276214	4062172276221
LDTH SL600R 42W 930 15D 8X1 OSRAM	42W	3000K	15°	AM439510055	4062172276238	4062172276245
LDTH SL600R 42W 930 24D 8X1 OSRAM	42W	3000K	24°	AM439520055	4062172276252	4062172276269
LDTH SL600R 42W 930 38D 8X1 OSRAM	42W	3000K	38°	AM439530055	4062172276276	4062172276283
LDTH SL600R 42W 940 15D 8X1 OSRAM	42W	4000K	15°	AM439540055	4062172276290	4062172276306
LDTH SL600R 42W 940 24D 8X1 OSRAM	42W	4000K	24°	AM439550055	4062172276313	4062172276320
LDTH SL600R 42W 940 38D 8X1 OSRAM	42W	4000K	38°	AM439560055	4062172276337	4062172276344

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### Ordering Codes

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#### Fixture

Short Text	Power	CCT	Beam Angle	IC	EAN10	EAN40
LDTH SL600R 42W 950 15D 8X1 OSRAM	42W	5000K	15°	AM439570055	4062172276351	4062172276368
LDTH SL600R 42W 950 24D 8X1 OSRAM	42W	5000K	24°	AM439580055	4062172276375	4062172276382
LDTH SL600R 42W 950 38D 8X1 OSRAM	42W	5000K	38°	AM439590055	4062172276399	4062172276405