



Simkar's Dusk-to-Dawn LED fixtures are built to withstand rugged outdoor environments and operate in all weather conditions while providing bright, reliable light. With a 50,000 hour operating life (L70), the DTDLED will perform for many years providing energy savings with excellent performance.

*Project*

*Catalog Number*

*Type*

*Date*

- Consumes 30W; up to 50% energy savings vs HID
- Delivered light output 2170 lumens; replaces up to 70W PSMH
- 50,000 hour operating life (L70)

- 4100K color temperature, 80 CRI (typical)
- "Instant on" operation after power interruption
- C-UL-US listed wet location

**HOUSING** Rugged die-cast aluminum housing with powder coat gray finish. Cast heat dissipating fins. Internal slip fitter.

**LEDS** 50,000 hour operating life (L70). Delivered light output up to 2168 lumens, 4100K, 80 CRI.

**ELECTRICAL** Fully wired 120V high efficiency power supply. Power factor >0.9, with output current of 700mA.

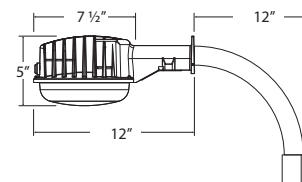
**ACCESS / WIRING** Through arm wiring enabling mounting directly to the wall or through 24" arm (included).

**MOUNTING** Direct surface mount via lag bolts (included), or standard 1-5/8" diameter, 24" offset arm (included), master arm clamp (included).

**PHOTOCELL** 120V Button photocell included.

**LISTINGS** C-UL-US Listed wet location.

**WARRANTY** 5 year limited warranty.



## DTDLED Dusk to Dawn Configuration

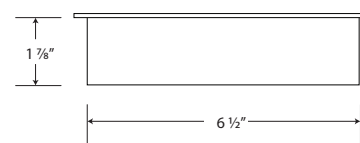
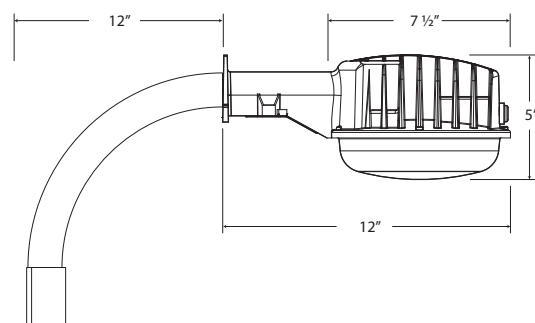
SERIES	INPUT POWER*	ACCESSORIES
DTDLED	30 = 30W	S = Full cut-off shield

\*Nominal. See performance data for actual input power.

## Dimensions

DTDLED30 w/24" Mounting Arm (included)

Full cut-off shield Accessory



## Performance Data

Model	Input Power	Efficacy (lm/W)	Light Output*	Mounting Ht.**	Equivalent HID**	Operating Temperature
DTDLED30	28.9W	75.1	2168 lm	Up to 15'	Up to 70W PSMH	-22°F (-30°C) to 104°F (40°C)
DTDLED30S	28.9W	68.2	1971 lm	Up to 15'	Up to 70W PSMH	-22°F (-30°C) to 104°F (40°C)

\* Delivered lumens

\*\* Consult a lighting engineer to meet specific requirements

Consult DesignLights™ Consortium website for current qualified products.

FOR CUSTOM OPTIONS AND ACCESSORIES, CONTACT FACTORY. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.  
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Photometric Data

Luminaire Data

Cast aluminum housing, internal white reflector, clear patterned polycarbonate enclosure with full-cutoff shroud

Catalog Number	DTDLED30S
Lab Test#	UL468906
(#) Power Supply	(1) Constant Current, 700mA
# LED	(1) COB (Chip on Board)
Color Temperature	4100K CCT
Input Watts	28.86
Delivered Lumens	1971
Operating Life	50,000 hrs. (L70)
Fixture Efficacy	68.2 lm/W

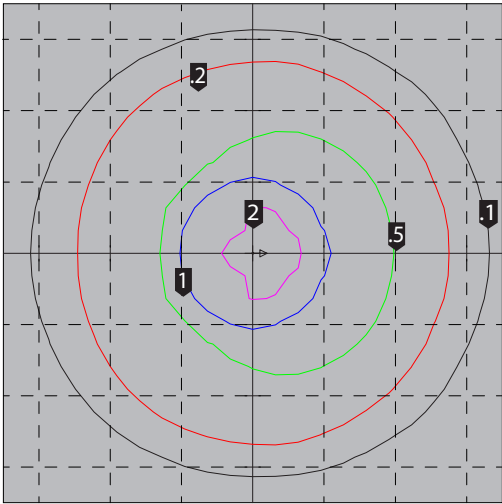
Zonal Lumen Summary (Nominal; Total Fixture Lumens 1971)

Forward Light	% Total Fixture Lumens	Lumens
Forward Light Lumens	54.2%	1067.8
Forward Low Zone (0 to 30 Degrees)	13.4%	264.4
Forward Mid Zone (30 to 60 Degrees)	28.0%	551.9
Forward High Zone (60 to 80 Degrees)	12.5%	246.4
Forward Very High Zone (80 to 90 Degrees)	0.3%	5.9

Back Light	% Total Fixture Lumens	Lumens
Back Light Lumens	45.8%	903.6
Back Light Low Zone (0 To 30 Degrees)	12.6%	248.3
Back Light Mid Zone (30 To 60 Degrees)	22.1%	435.6
Back Light High Zone (60 To 80 Degrees)	10.7%	210.9
Back Light Very High Zone (80 To 90 Degrees)	0.4%	7.9

UpLight	% Total Fixture Lumens	Lumens
UpLight Lumens	0.0%	0.0
UpLight Low Zone (90 To 100 Degrees)	0.0%	0.0
UpLight High Zone (100 To 180 Degrees)	0.0%	0.0

Footcandle Plot



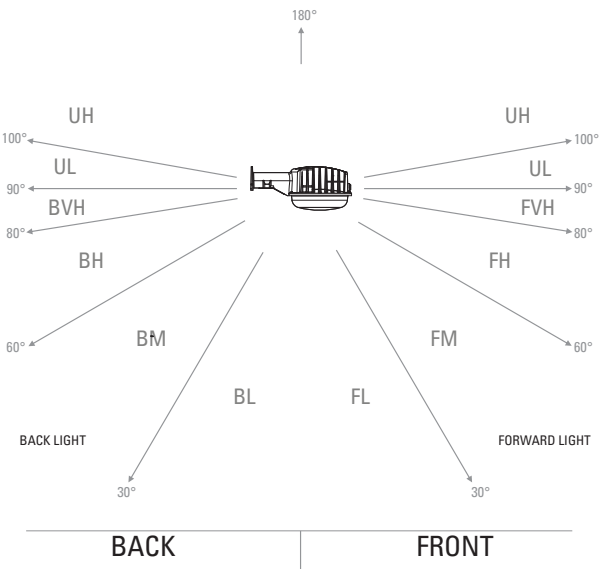
Mounting Height

Horizontal Footcandles		
Mounting Height		
Distance	10'	15'
	4	2
	2	1
	.8	.7
25'	.1	.2

Horizontal Footcandles  
Scale: 1 Inch = 10 Ft.  
Light Loss Factor = 0.90  
Lumens Per Lamp = N.A. (absolute photometry)  
Luminaire Lumens = 1968  
Mounting Height = 15.00 Ft  
Maximum Calculated Value = 3.30 Fc  
Arrangement: Single

IES BUG ratings (backlight, uplight, glare) Per IES TM-15-11

DTDLED Dusk to Dawn		
IES BUG Rating: B1 U0 G1	Lumens	Secondary Solid Angle Rating
Back Light		
BH (60-80 Degrees)	210.7	B 1
BM (30-60 Degrees)	436.4	B 1
BL (0-30 Degrees)	248.9	B 1
UpLight		
UH (100-180 Degrees)	0.0	U 0
UL (90-100 Degrees)	0.0	U 0
Glare Light		
FVH (80-90 Degrees)	5.1	G 0
BVH (80-90 Degrees)	7.6	G 0
FH (60-80 Degrees)	246.0	G 0
BH (60-80 Degrees)	210.7	G 1



Flux distribution based on IESNA Luminaire Classification System  
Illustration depicts zone classification. See tables for fixture performance.