



Series Spec Sheet

VELOCE GEN 2

4" & 6" ARCHITECTURAL LED DOWNLIGHT

The Veloce Gen 2 LED downlights is available in 4" and 6" and has a deep reflector design in order to be comfortable to the eyes. Optimal lens technologies with narrow, flood and wide beam angles guarantee light quality and it comes with different reflectors. Veloce downlight operates with different type of dimming which is reliable and perfect light control, which is the best solution for various applications.

FEATURES AND SPECIFICATIONS

• Construction

Physical Characteristics

- Deep recessed design
- Powder coated aluminum housing
- 4" and 6" round
- Polycarbonated lens
- Finish
 - Flange finish in white or black
 - Baffle finish in white, black or silver
- Beam angle
 - Clear lens: Narrow flood (30°) and flood (50°)
 - Frosted lens (6" only): Wide (60°)

Mounting

- LED module with LED driver easily installed with quick connect wire
- Torsion spring mounting clips

• Performance data

- 13, 18, 25 W, 120 V or 120-277 V
- Available in 3 000, 3 500 and 4 000 K single color temperatures
- 90+ CRI
- Estimated life of over 50 000 hours to L70
- Phase cut (ELV / Triac) dimming in 4" and 0-10 V dimming in 4" and 6"
- LED chip binning 2-3 step MacAdam Ellipse to ensure color consistency
- Operating temperature:
 - 30 °C to 35 °C (-22 °F to 95 °F)

• Compliances

- cETLus listed for damp locations
- Meets requirements of ICES-005 issue 5 class B for use in residential applications (120 V)
- Meets requirements of ICES-005 issue 5 class A for use in commercial applications (120-277 V)

5
warranty


LED
fixture


dimmable

6
damp
location


ICES
005


Intertek

OVERVIEW

Light source	LED
Watts (W)	13, 18, 25
Lumen output (lm)	1 023 - 2 830
Efficiency (lm/W)	79 - 118
Color temperature (K)	3 000, 3 500, 4 000
CRI	90+

ORDERING GUIDE

VELOCE		G2		90					
Series	Size (in)	Generation	Lumen package (lm) ¹	CRI	Volts (VAC)	Baffle finish	Flange finish	Beam angles (°)	Color temp. (K)
VELOCE	4 - 4	G2 - Generation 2	15 - 1 100 - 1 300	90 - 90+	A - 120 ²	WH - White	WH - White	N - Narrow Flood (30)	30K - 3 000
	6 - 6		21 - 1 800 - 2 000		W - 120 - 277 ³	BK - Black	BK - Black	F - Flood (50)	35K - 3 500
			28 - 2 300 - 2 700		SV - Silver		N - Narrow Flood (30)	40K - 4 000	
								W - Wide (60) ⁴	

¹ Approximate lumens at 3 000K. Please consult IES files for details.

² Phase cut dimming 120 V is only available with Veloce 4".

³ 0-10 V dimming 120-277 V is available with Veloce 4" and 6".

⁴ 60° beam angle is with frosted lens.

CONFIGURABLE TECHNICAL SPECIFICATION TABLE

Size (in)	Lumen package	Watts (W)	Volts (VAC)	Beam angle (°)	Lens type	3 000 K		3 500 K		4 000 K		CRI	Life L70 (hrs)	Power factor	THD (%)
						Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)				
4	15	13	120	30	Clear	1231	95	1243	96	1260	97	90+	50 000	>0.9	<20
			120 - 277	50	Clear	1023	79	1055	81	1134	87	90+	50 000	>0.9	<20
6	21	18	120 - 277	30	Clear	2021	112	2024	112	2129	118	90+	50 000	>0.9	<20
				60	Frosted	1779	99	1721	96	1869	104	90+	50 000	>0.9	<20
	28	25		30	Clear	2698	108	2697	108	2830	113	90+	50 000	>0.9	<20
				60	Frosted	2383	95	2302	92	2492	100	90+	50 000	>0.9	<20

ACCESSORIES¹ (order separately)

Order code	Model number	Type	Opening diameter (in)	Master case qty
69389	ACC/MPLATE/VELOCEG24/HANG.BARS/STD	Mounting plate with hanger bars	4	6
66817	ACC/MPLATE/VELOCE6/HANG.BARS/STD	Mounting plate with hanger bars	6	8

¹ Includes brackets and screws.

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. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

COMPATIBLE DIMMERS¹

Brand	4"	4" & 6"
	120 V	120-277 V
Model		
Lutron	PD-5NE, PD-6WCL, RRD-6NA, DVCL-153P, CTCL-153P, DVCL-253P, AYCL-253P, DVRP-253-WH, SELV-300P, MACL-153P	DIVA DVSTV, NOVA NTSTV DV
Cooper	AAL06, SAL06P3	RH4FBL3PTC, WS4FBL3P
Leviton	066EV, IPL06, 6674, DSL06-1ZL, DSM10-1LZ, IPE04-1LZ	DD 710, DS 710

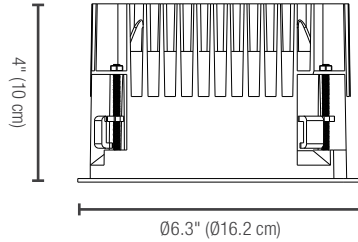
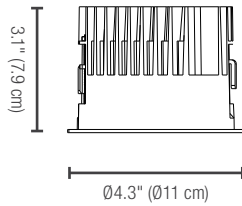
Dimming range: 10%-100%

¹ This table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. Some dimmers may require more than one product for stable operation. Stanpro recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation.

DIMENSIONS AND WEIGHTS

4"

6"



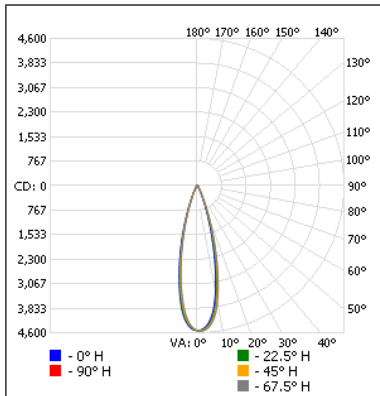
	4"	6"
Net weight (lbs)	1.04	1.87

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PHOTOMETRIC DATA¹

VELOCE4-GEN2-15-90X-XXXXN-30K • 1 231.8 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 103.3	89.5
0-40	1 164.6	94.5
0-60	1 209.2	98.1
60-90	22.5	1.8
0-90	1 231.8	100

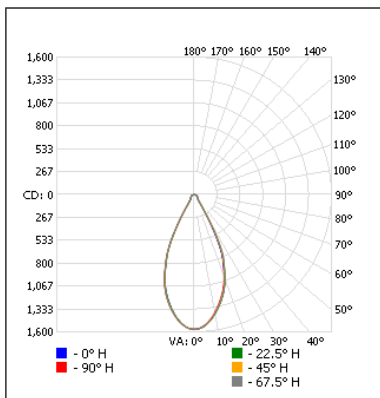
Illuminance at a distance

Center beam fc		Beam width	
1.7'	1 566	0.8'	0.8'
3.3'	416	1.6'	1.6'
5.0'	181	2.5'	2.5'
6.7'	101	3.3'	3.3'
8.3'	65.7	4.1'	4.1'
10.0'	45.3	4.9'	4.9'

■ Vert. spread : 27.5°
■ Horiz. spread : 27.8°

VELOCE4-GEN2-15-90X-XXXXF-30K • 1 023.8 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	804.1	78.5
0-40	884.5	86.4
0-60	968.7	94.6
60-90	55.1	5.4
0-90	1 023.8	100

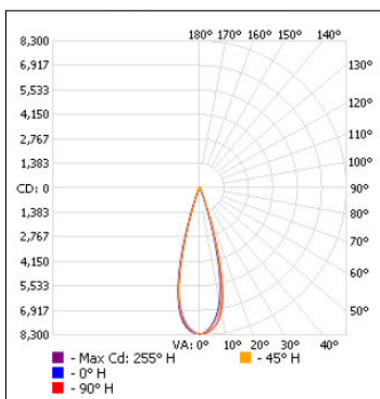
Illuminance at a distance

Center beam fc		Beam width	
1.7'	543	1.5'	1.5'
3.3'	144	3.0'	3.0'
5.0'	62.7	4.5'	4.5'
6.7'	34.9	6.0'	6.1'
8.3'	22.8	7.5'	7.5'
10.0'	15.7	9.0'	9.0'

■ Vert. spread : 48.5°
■ Horiz. spread : 48.6°

VELOCE6-GEN2-21-90W-XXXXN-30K • 2 020.5 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 911.8	94.6
0-40	1 977.1	97.9
0-60	2 017.9	99.9
60-90	2.6	0.1
0-90	2 020.5	100

Illuminance at a distance

Center beam fc		Beam width	
1.7'	2 848	0.9'	0.9'
3.3'	756	1.7'	1.8'
5.0'	329	2.6'	2.7'
6.7'	183	3.5'	3.6'
8.3'	119	4.3'	4.4'
10.0'	82.3	5.2'	5.3'

■ Vert. spread : 29.2°
■ Horiz. spread : 29.8°

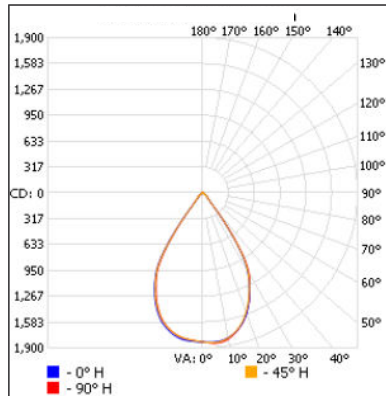
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA¹

VELOCE6-GEN2-21-90W-XXXXW-30K • 1 779.0 lm

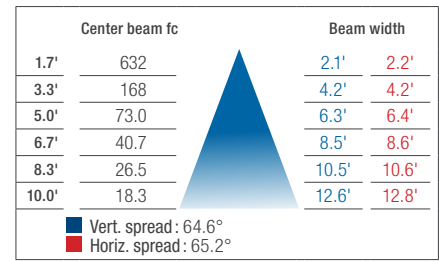
Polar candela distribution



Zonal lumen summary

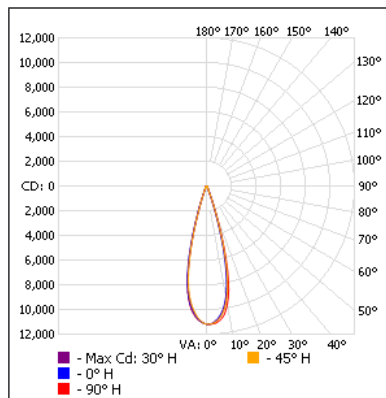
Zone	Lumens	% Fixture
0-30	1 275.1	71.7
0-40	1 669.0	93.8
0-60	1 768.5	99.4
60-90	10.5	0.6
0-90	1 779.0	100

Illuminance at a distance



VELOCE6-GEN2-28-90W-XXXXN-30K • 2 698.7 lm

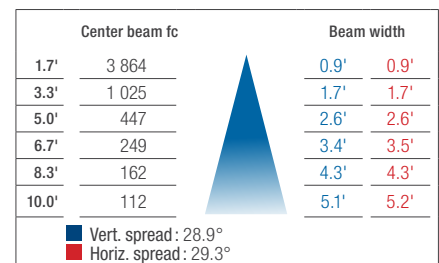
Polar candela distribution



Zonal lumen summary

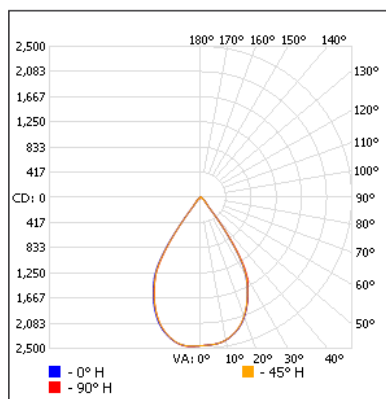
Zone	Lumens	% Fixture
0-30	2 550.2	94.5
0-40	2 639.1	97.8
0-60	2 695.1	99.9
60-90	3.6	0.1
0-90	2 698.7	100

Illuminance at a distance



VELOCE6-GEN2-28-90W-XXXXW-30K • 2 383.7 lm

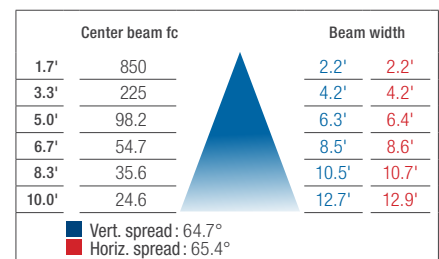
Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 708.5	71.7
0-40	2 237.7	93.9
0-60	2 369.7	99.4
60-90	14.0	0.6
0-90	2 383.7	100

Illuminance at a distance



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