



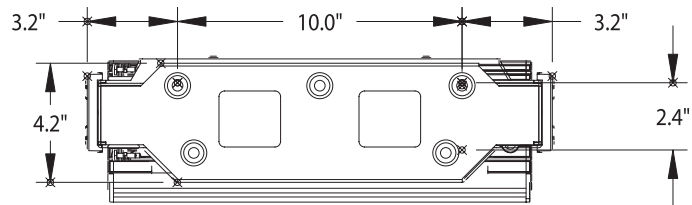
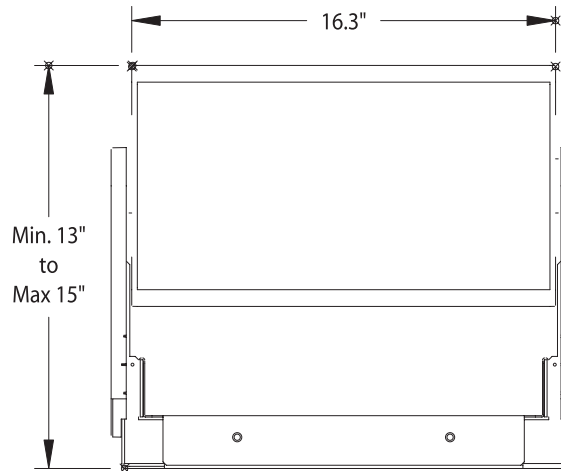
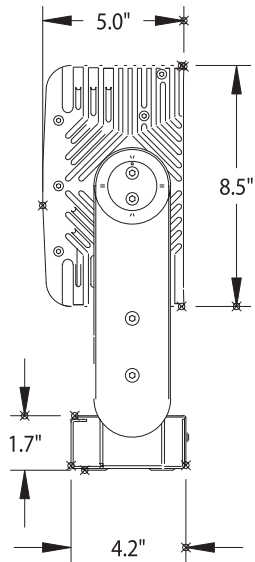
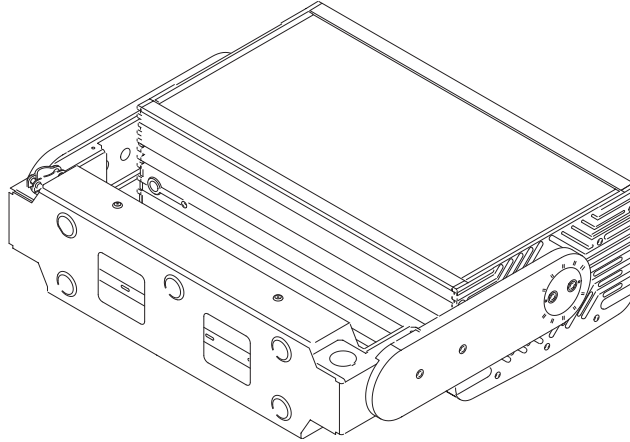
features

- Effective grazing illumination up to 30' with smooth gradient
- Effective projector flood light up to 30'
- Available with narrow or wide asymmetric optics
- Uniform color mixing with 48 Luxeon® LEDs
- DMX512 compatibility for dynamic color control
- TIR® Thermal management system protects electronic components from heat damage
- Robust construction suitable for outdoor applications
- Operational and environmental benefits of LED technology

standard specifications	OPTICS	Narrow Graze, Wide Graze, 22°, 45°
	LIGHT SOURCE	48 Luxeon® high flux LEDs
	DISTRIBUTION	Asymmetric narrow beam surface graze
	SETBACK DISTANCE	9", 10", 11" (to luminaire centerline)
	FINISH	3 standard powdercoat finishes: black, silver and white
	POWER SUPPLY	100 VAC to 240 VAC Integral power supply, auto ranging (50-60 Hz)

standard order codes	DES	CG					DMX
	SERIES	PRODUCT	OPTIC	LED LIGHT COLOR	FINISH	NETWORK	
	Destiny™	Destiny CG	NGO Narrow Graze Optic WGO Wide Graze Optic 22° 22° beam angle 45° 45° beam angle	RGB 16 red 16 green 16 blue RED 48 red GRN 48 green BLU 48 blue ABR 48 amber WWH 48 warm white, 3300K CWH 48 cool white, 5500K	BLK Black SLR Silver WHT White CUS Custom color	DMX DMX Network	

STANDARD

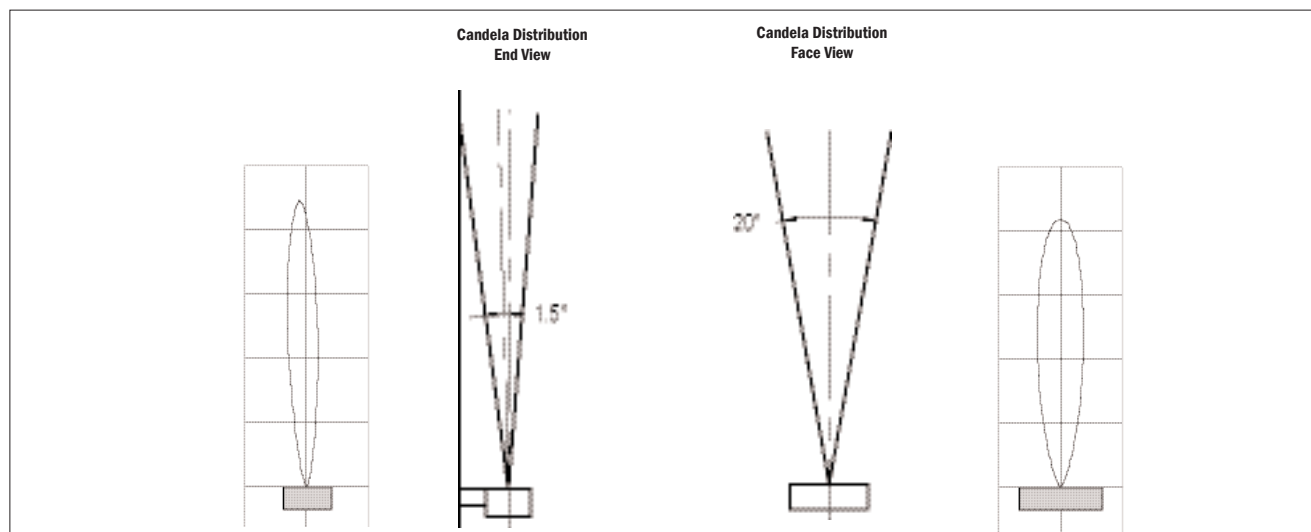


technical specifications	mechanical	HOUSING	Extruded aluminum; PSU and controller are integral to the luminaire			
		MOUNTING	Wall, ceiling or floor mount; powdercoated stainless steel bracket Variable setback (9", 10", or 11") and $\pm 180^\circ$ rotation of luminaire			
	electrical	INPUT VOLTAGE	100 VAC to 240 VAC			
		MAX INPUT POWER	MODEL	OUTPUT COLOR (ON FULL)	LUMINAIRE INPUT POWER	LUMINAIRE INPUT CURRENT (100 VAC)
			Standard model	Red	35W	0.35 A
			Standard model	Green	35W	0.35 A
			Standard model	Blue	35W	0.35 A
			Standard model	White	99W	0.99 A
			Single color option	Red, Green, Blue Amber, White	99W	0.99 A
	environmental	CONNECTIONS	AC: Industrial grade AC cable; 16/3 DATA: Individually shielded 24 AWG twisted pair + bare drain for input and output DMX 10' standard cable whip length			
		TEMPERATURE RANGE	-40°F to 104°F (-40°C to 40°C) operating temperature -4°F to 104°F (-20°C to 40°C) starting temperature			
		CERTIFICATION	CUL/UL/CE			
		INGRESS PROTECTION	IP66 Rated			



narrow graze illuminance distribution	Throw Distance (ft)		10 " SETBACK		Vertical Illuminance (fc)	
	20		1.3		1.5	1.3
	19		1.4		1.6	1.4
	18		1.6		1.7	1.6
	17		1.8		1.8	1.8
	16		1.9		2.1	1.9
	15		2.3		2.4	2.3
	14		2.5		2.7	2.5
	13		2.8		3.0	2.8
	12		3.0		3.3	3.0
	11		3.5		4.0	3.5
	10		3.8		4.5	3.8
	9		4.2		5.3	4.2
	8		4.8		6.2	4.8
	7		5.3		7.6	5.3
	6		6.1		8.6	6.1
	5		5.7		9.8	5.7
	4		5.3		10.5	5.3
	3		4.8		11.6	4.8
	2		4.0		12.7	4.0
	1		2.2		8.8	2.2
	0		0		0	0
	Centerline-1'		Centerline		Centerline+1'	

narrow graze photometrics		BEAM WIDTH	2', nominal		
		BEAM ANGLE	20° (face to surface)		
		THROW DISTANCE	CENTERLINE GRADIENT RATIO	VERTICAL ILLUMINATION AT THROW DISTANCE (fc) - RGB WHITE	
		20'	8.5:1	1.5	
		15'	5.3:1	2.4	
		10'	2.8:1	4.5	



Throw Distance (ft)

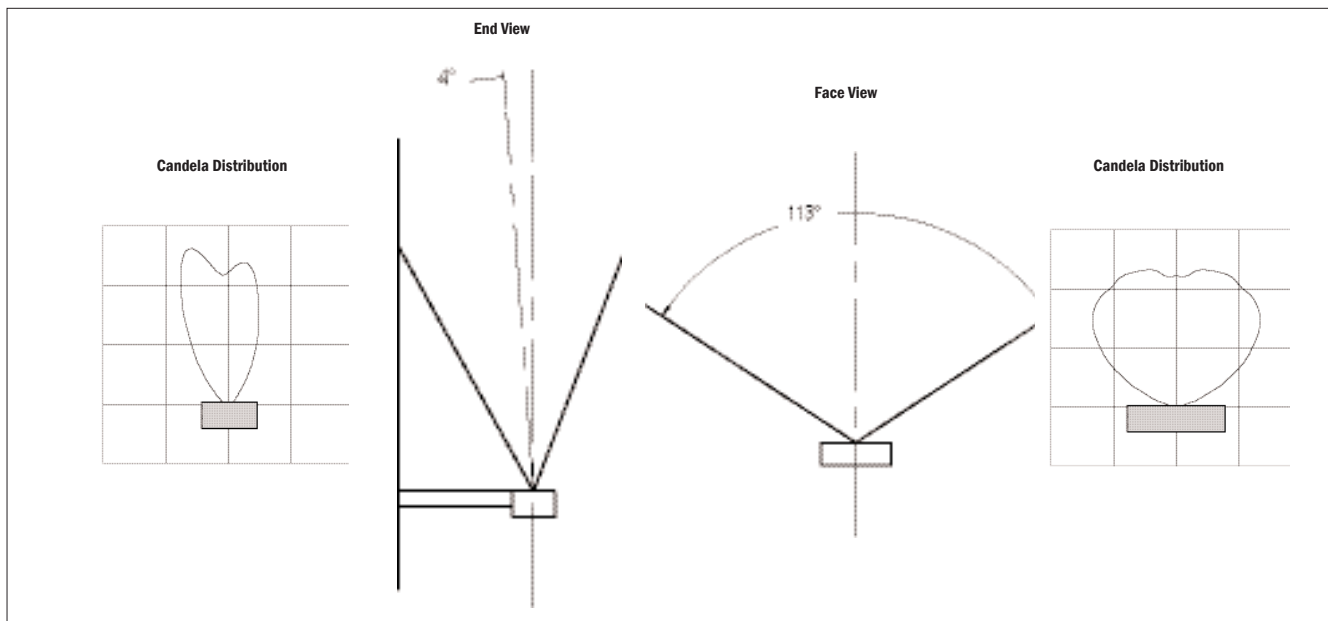
10" Setback

Vertical Illuminance (fc)

7	0.9	1.0	1.3	1.4	1.5	1.6	1.5	1.4	1.3	1.0	0.9
6	1.1	1.4	1.8	2.1	2.3	2.4	2.3	2.1	1.8	1.4	1.1
5	1.3	2.0	2.4	3.2	3.8	3.9	3.8	3.2	2.4	2.0	1.3
4	1.3	2.1	3.5	5.0	6.9	7.3	6.9	5.0	3.5	2.1	1.3
3	1.1	2.2	4.4	8.0	13.1	14.9	13.1	8.0	4.4	2.2	1.1
2	0.7	1.6	4.1	11.3	26.3	35.0	26.3	11.3	4.1	1.6	0.7
1	0.3	0.7	2.0	7.7	32.9	62.9	32.9	7.7	2.0	0.7	0.3
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

-5' -4' -3' -2' -1 Centerline +1 +2' +3' +4' +5'

SETBACK DISTANCE	9", 10" or 11"
BEAM WIDTH	10' nominal
BEAM ANGLE	113° (face to surface)
THROW DISTANCE	VERTICAL CENTERLINE ILLUMINATION AT THROW DISTANCE (fc) - RGB white
6'	2.4
4'	7.3



22° illuminance distribution

Throw

Distance (ft)

4' SETBACK

8' SETBACK

Vertical Illuminance (fc)

10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.7	0.9	0.4	0.9	0.7	0.5
9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.9	1.4	0.8	2.0	0.8	1.4	0.9
8	0.1	0.2	0.2	0.2	0.2	0.2	0.1	1.5	3.0	1.6	4.5	1.6	3.0	1.5	
7	0.2	0.3	0.4	0.5	0.4	0.3	0.2	2.6	5.9	3.7	9.8	3.7	5.9	2.6	
6	0.3	0.6	1.0	1.2	1.0	0.6	0.3	3.9	10.2	7.8	17.9	7.8	10.2	3.9	
5	0.5	1.3	3.3	4.3	3.3	1.3	0.5	4.6	13.7	12.4	25.8	12.4	13.7	4.6	
4	0.7	3.0	12.9	21.9	12.9	3.0	0.7	4.2	13.7	14.9	27.5	14.9	13.7	4.2	
3	0.9	5.3	42.3	86.3	42.3	5.3	0.9	2.7	8.7	11.6	19.0	11.6	8.7	2.7	
2	0.8	4.8	53.7	129.0	53.7	4.8	0.8	1.4	3.6	4.9	7.3	4.9	3.6	1.4	
1	0.6	2.2	13.8	33.8	13.8	2.2	0.6	0.7	1.3	3	2.1	3	1.3	0.7	
0	0.4	1.0	2.2	3.3	2.2	1.0	0.4	0.4	0.6	2	0.8	2	0.6	0.4	

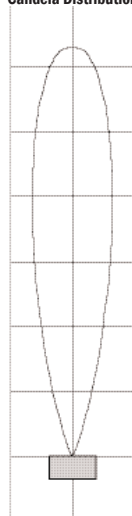
-3' -2' -1' 0' +1' +2' +3' -3' -2' -1' 0' +1' +2' +3'

22° BEAM

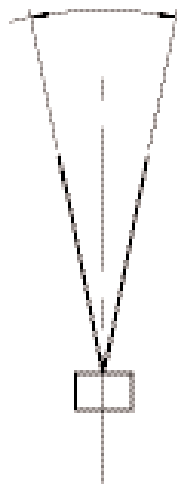
End View

Face View

Candela Distribution



22°



Candela Distribution



22°



Product information subject to change. For up to date product information, please log on to www.tirsys.com

TIR Systems Ltd. 1.800.663.2036
7700 Riverfront Gate T 604.294.8477
Burnaby BC F 604.294.3733
Canada V5J 5M4 www.tirsys.com

CUT-311-002.01 Destiny CG_Narrowimp version_Mar 2004

45° illuminance distribution

Throw Distance (ft)

Vertical Illuminance (fc)

4' SETBACK

8' SETBACK

10	0.2	0.2	0.2	0.3	0.2	0.2	0.2	1.6	2.0	2.4	2.5	2.4	2.0	1.6
9	0.2	0.3	0.4	0.4	0.4	0.3	0.2	2.3	3.1	3.7	4.1	3.7	3.1	2.3
8	0.4	0.6	0.8	0.9	0.8	0.6	0.4	3.2	4.3	5.4	6.0	5.4	4.3	3.2
7	0.6	1.1	1.6	1.8	1.6	1.1	0.6	4.1	5.4	6.8	7.6	6.8	5.4	4.1
6	1.1	2.4	3.8	4.4	3.8	2.4	1.1	4.8	6.0	7.6	8.7	7.6	6.0	4.8
5	2.0	5.0	9.2	11.4	9.2	5.0	2.0	5.4	6.4	8.5	10.0	8.5	6.4	5.4
4	3.2	9.5	18.2	25.2	18.2	9.5	3.2	6.1	7.8	10.1	11.9	10.1	7.8	6.1
3	3.7	14.0	23.7	35.6	23.7	14.0	3.7	5.9	8.9	12.2	14.2	12.2	8.9	5.9
2	2.9	14.8	31.6	47.7	31.6	14.8	2.9	4.2	7.3	10.5	12.3	10.5	7.3	4.2
1	1.5	7.4	26.1	43.0	26.1	7.4	1.5	2.1	3.9	5.6	6.2	5.6	3.9	2.1
0	0.7	2.0	5.5	8.4	5.5	2.0	0.7	1.0	1.6	2.2	2.5	2.2	1.6	1.0

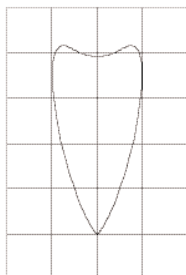
-3' -2' -1' 0' +1' +2' +3' -3' -2' -1' 0' +1' +2' +3'

45° BEAM

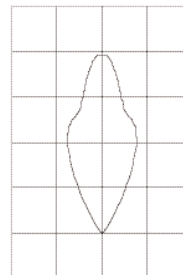
End View

Face View

Candela Distribution



Candela Distribution



Product information subject to change. For up to date product information, please log on to www.tirsys.com

TIR Systems Ltd. 1 800 663 2036
7700 Riverfront Gate T 604 294 8477
Burnaby BC F 604 294 3733
Canada V5J 5M4 www.tirsys.com

CUT-311-002.01 Destiny CG_Narrowimp version_Mar 2004