

# **HELIOS 2**







Job Information Project Name Туре Location Quantity Date

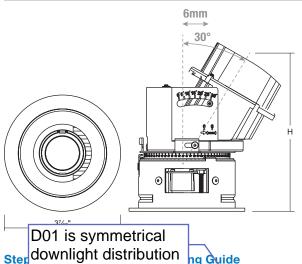
# 2" Adjustable LED Fixture, 1000 Lumens, 13 Watts

Recessed Downlighting

#### **Description**

HELIOS allows one to take ultimate control over the optical performance of the fixture. Including onsite hot and cold aiming, horizontal light source adjustment, vertical height adjustment of light source, 360-degree rotation, changeable optics and layering of media. Get precise with tight beam angles down to 5 degrees. A perfect wall wash optic and goof-proof trimless options that prevents drywaller errors. Feel confident using the HELIOS series in museums, art gallerias, and theatres.

### **Technical Drawings**



a **G**uide

Height Position	Height (H)*
Position 1	4¼" (108mm)
Position 2	4%" (124mm)
Position 3	5%32" (134mm)

<sup>\*</sup> Dimension measured in vertical position, height may increase up to 4mm when angle is adjusted.



		1
FIXTURE SPE	CIFICATIONS	
Aperture	2½" (64mm)	
Approved Location	Dry	
Certification	cETLus	1 .
CRI	80 Dianaeter: V	ery Import
Dimming	Yes	1
Hole Cut Size	Ø 261/64" (75mm)	1
Lumens per Watt	Typical 77	
Lumen Maintenance	70% @ 50,000 Hrs	
Max Ceiling Thickness	11/8" (30mm)	1
Max Mechanical Tilt	30°	
Max Optical Tilt	20°	
Power Factor	> 0.9	1
Power Supply Type	Constant Current	
Rotation	365°	
THD	<20%	
TM-30 Annex E	P2 / V- / F1	

#### Trim/Trimless Delivered **Emergency** Color Temp. Beam Angle Media One Media Two **Driver Options** Mounting Shipping Option Lumens Backup **H2** Trim Finish: Very Important Temperature (CGT) ale de la la very Important 27: 2700 K (90+ CRI) 10: 1000 lm (13W, 0: No Media CX: TRIAC, ELV, 0-10V, 120-N: No Emergency RM: Remodel 1: Ship Complete S: Spot (15°) 0: No Media 30: 3000 K (90+ CRI) N: Narrow (28°) 1: Honeycomb 3: Light Bending 277V Input Backup NC : New 2: Ship Rough-in R: Round Trimless 35: 3500 K (90+ CRI) Drywall<sup>2</sup> Louver B3: Rated -40°C, 0-10V, 347V E: Emergency Construction Q: Square Trimless Sh: Very Im; 40:4000 K (90+ CRI) M: Medium Flood Softening Lens 4: Linear Input<sup>2,3</sup> Backup, 0-10V, Hanger Bars QUICKSHIP 50 : SOOO KONOT CHIP (£ Gight B) end Wery Importantx: Rated -40°C, 0-10V, 120-90 min at 900lm AR: Architectural 7-DAY Highlighted C: Round Trimless 2H: 2700 K (95+ CRI) W: Wide Flood Lens (20°) 277V Input<sup>2,3</sup> (120-277V)2,4 C-Channel 3H: 3000 K (95+ CRI) 5: Color Gel Film<sup>1</sup> DA: DALI, rated -40°C, 120option denotes Millwork<sup>2,7</sup> (55°)5 Brackets S: Square Trimless DW: Dim-to-Warm Z: Wall Wash<sup>11</sup> Spreading 277V Input IC: Type IC Box Quickship. Millwork<sup>2,10</sup> (700lm 90+ CRI)9 DX: DMX, 120-277V Input IS: Type IC Box WT: White Tunable 5: Color Gel Lens LE: Lutron EcoSystem, 120-(small)13 Precision Pro (90+ CRI)9 277V Input CP: Chicago 1: Round 1/2" Plenum drywall12 Tunable White 120-277V 2: Square 1/2" KX: Dual 0-10V driver2 D02 = wallwash drywall12 TX: Lutron2 5: Round 5/8' WX: OnCloud Fnabled2 QX: Casambi Enabled driver2 drywall12 6: Square 5/8 AX : Dalia

XX: DMX

#### Example housing items for "Ship Rough-in First":

H2T-1030N20CXN-NC2 First: Second:

#### Notes

- 1. Media Two requires a selection from Media One and cannot be the same.
- 2. Above ceiling access or remote driver mounting required.
- Additional Emergency Back-up not available.
- Emergency Back-up is rated only to 0°C.
- Must select softening lens as Media One.

drywall12

- Remodel must ship complete.
- Required for wall wash trim.

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- 8. Minimum order of 40 pieces to "Ship Rough-in First".
- 9. Must select "D" or "W" Beam Angle.
- 10. Compatible up to 1-1/8" (30mm) millwork ceiling.
- 11. Must be paired with a Wall Wash trim/baffle, only available
- 12. Must select Remodel.

905.709.5255

1.888.738.9736

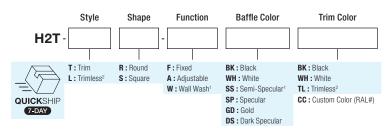
13. Not compatible with Wall Wash Trim.

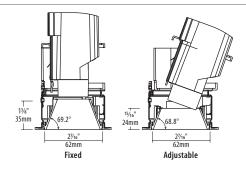
Quick Ship option is available on orders of 100 pieces or less,

and will ship within 7 business days. Options must be selected from Quick Ship section to qualify.

For additional options please consult your A-Line representative. All trademarks are the property of their respective owners. Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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Example: H2T-TR-ASPBK

#### Notes:

<sup>1</sup> Wall wash is only available in Semi-Specular and is to be selected with "Z" beam angle. Not available in square shape with trim (H2T-TS-xxxxx). <sup>2</sup> Trimless has a baffle only, no trim. Quick Ship option is available on orders of 100 pieces or less, and will ship within 5 business days. Options must be selected from Quick Ship section to qualify.

#### **Features**

### Housing

Painted steel carrier and collar are combined to hold and position die cast heat sink with integrated LED engine module and optics. Driver connection is made with FT6 plenum rated wire. Recessed mounting brackets adjust below the ceiling to secure the housing. Accommodates ceiling thicknesses from 3/44" (1mm) up to 1" (25mm).

#### Mounting

Options to configure for remodel, new construction, and architectural C-Channel mounting styles. An IC box is also available for both insulated ceilings and Chicago plenum applications tested in compliance with ASTM E283.

# Hanger Bars - New Construction and IC Box

Rigid hanger bars extend up to 25" (635mm). Score lines on the hanger bars allow for tool-less shortening down to 12" (305mm). Built-in line-up foot allows for accurate housing height during installation. Integrated T-bar clips easily snap onto T-bars.

# Hanger Bars – Architectural C-Channel

Architectural frame bracket accepts C-Channel and EMT conduit. Vertically adjustable.

#### **System Protection**

Integral thermal protection provided to indicate improper installations. Mounted in the heat sink and will disconnect if insulation is detected. Insulation must maintain 3" (76mm) clearance from top or sides.

#### **Thermal Performance**

Cast aluminum heat sink ensures optimal heat dissipation and LED life.

#### **LED Optics**

TIR lens for fixed CCT options, and a multifaceted reflector with integrated soft lens for Medium (36°) and Wide Flood (55°) beam angles. Optic holder can accommodate up to two additional optic media options. All beam angles other than spot are field exchangeable.

#### **LED Characteristics**

Fixed CCT high power Bridgelux® LED chips maintain uniform intensity with a typical 90 or 95 CRI. 3-Step MacAdam ellipse binning. Dim-to-Warm (3000-1800K) and White Tunable (2700-5000K) are also available. White tunable requires an additional 0-10V signal to the driver to control CCT.

#### **Optical Control**

Mechanical tilt of 30°, optical tilt up to  $20^\circ$  with light bending lens, and rotation up to  $365^\circ$ . A horizontal drift of 6mm

can be used to eliminate cut-off when fixture is tilted. Tilt, drift and rotation are adjustable below the ceiling. Tilt angle can be factory set, and spring tension will maintain angle through installation. The light source can be adjusted between three height settings to achieve max light output or max comfort for quiet ceilings.

NOTE: Drift not applicable in trimless installations.

NOTE: Maximum tilt achievable by combining mechanical and optical tilt is 40°.

### **Photometrics**

See website or contact factory for IES files or additional photometry.

#### **Trimless Option**

Trimless adapter provides a flush and seamless ceiling mount. Trimless adapter is also available prefabricated in level 5 drywall for ease of installation.

#### **LED Driver**

Junction box mounted for ease of maintenance, the LED driver features a power factor larger than 0.9, and THD of less than 20%. Drivers are NEMA 410 compliant. See LED Driver Options for more specific details.

#### **Junction Box**

Listed for through branch circuit

wiring. Maximum of six 12 AWG 90°C branch-circuit connections (three in and three out). Three knockouts available and compatible with Romex® cable clamp. Ground wire is provided on J-Box. Block connectors provided for 0-10V wiring.

#### Shipping

Fixtures can be shipped complete or with rough-in components first, and the remainder once requested. Drywall options ship separately.

#### **Environment**

Suitable for use in dry locations.

#### Warranty

7-Year warranty.

# **LED Driver Options**

	Driver	Dimming Level	Controls	Notes
	(CX) Standard	1%	TRIAC/ELV/0-10V	1% Only available in 0-10V, 10% otherwise
1	(BX/B3) Rated -40°C	1%	0-10V	Low Temperature Driver
	(DA/D3) DALI	1%	DALI	Rated to -40°C
Fixed CCT	(DX) DMX	0.10%	DMX/RDM	Rated to -40°C
	(LE) Lutron EcoSystem	1%	Lutron EcoSystem	Hi-lume 1% EcoSystem w/Soft-on, Fade-to-Black
	(PE) PoE	_	Constant Current	No Driver Provided
	(EX) Emergency Backup	1%	0-10V	90 min backup uptime at 900lm
Tunable	(KX) Dual 0-10V	0.10%	Dual 0-10V	2 Channels isolated 0-10V control
White	(WX) OnCloud Enabled	1%	OnCloud Wi-Fi	OnCloud tunable white Wi-Fi control
wille	(QX) Casambi Enabled	1%	Casambi Bluetooth	Casambi Module included (CBU-ASR)

# Accessories



#### **HELIOS-EXT-10-3W**

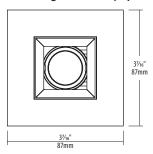
10' Flexible FT6 extension, for use with Helios fixtures.



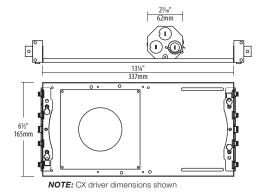
# HELIOS-EXT-50-3W

50' Flexible FT6 extension, for use with Helios fixtures.

### Mounting: Remodel (Square)



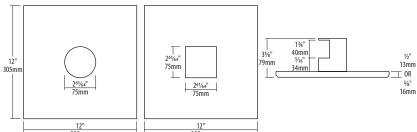
## **Mounting: New Construction**



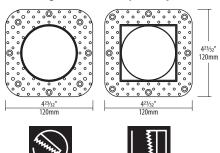
# **Mounting: Architectural C-Channel Brackets**



## **Mounting: Precision Pro Drywall**



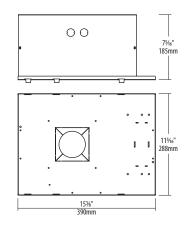
# **Mounting: Trimless Adapter Drywall**



75mm

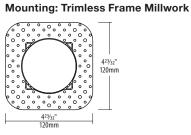
3"×3" 75mm×75mm

### **Mounting: IC BOX**



# Mounting: IC BOX (Small) Not compatible with wall wash trim

75%s\* 185mm





**Photometry** 

Colour Temperature (CCT): Very Important ccr co Colour Member ature (CCT): Very Important

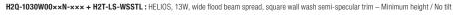
Baseline lumens = 3000 K Multiply 3000 K lumen values by:

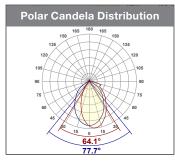
0.95 for 2700 K

1.10 for 3500 K

1.15 for 4000 K

 $1.20 \ \text{for} \ 5000 \ \text{K}$ 

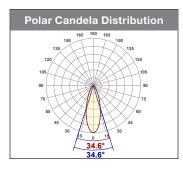




Beam Details					
0					
D	Lux	FC	L	W	
<b>D</b> 4'	<b>Lux</b> 187	<b>FC</b> 17	<b>L</b> 5.6'	<b>W</b> 5.6'	
4'	187	17	5.6'	5.6'	
4' 8'	187 47	17 4	5.6' 11.3'	5.6' 11.3'	

Zon	al Lumen Sı	ummary
Zone	Lumens	% Luminaire
0-30	181	38.51%
0-40	267	56.81%
0-60	391	83.19%
60-90	58.2	12.38%
70-100	31.0	6.60%
90-120	9.92	2.11%
0-90	449	95.53%
90-180	20.5	4.36%
0-180	470	100%

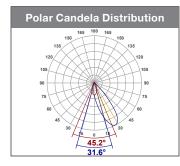
H2×-1030D00××N-××× + H2T-TR-FWHWH: HELIOS, 13W, medium beam spread, round fixed white trim – Minimum height / No tilt



Beam Details					
0*					
D	Lux	FC	L	W	
4'	1126	105	2.5'	2.5'	
8'	282	26	5'	5'	
12'	125	12	7.5'	7.5'	
16'	70	7	10'	10'	
20'	45	4	12.5'	12.5'	

Zon	al Lumen Sı	ummary
Zone	Lumens	% Luminaire
0-30	623	72.53%
0-40	744	86.61%
0-60	810	94.30%
60-90	20.4	2.37%
70-100	16.9	1.97%
90-120	12.9	1.50%
0-90	831	96.74%
90-180	27.8	3.24%
0-180	859	100%

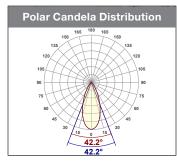
 $\textbf{H2} \\ \textbf{x-1030D00} \\ \textbf{x} \\ \textbf{N-x} \\ \textbf{x} \\ \textbf{x} \\ \textbf{+} \\ \textbf{H2} \\ \textbf{T-TR-AWHWH:} \\ \textbf{+} \\ \textbf{HELIOS, 13W, medium beam spread, round adjustable white trim } \\ \textbf{-} \\ \textbf{Minimum height} \\ \textbf{/} \\ \textbf{Maximum tilt} \\ \textbf{/} \\ \textbf{/} \\ \textbf{Maximum tilt} \\ \textbf{/} \\$ 



Beam Details					
000					
D	Lux	FC	L	W	
<b>D</b>	<b>Lux</b> 298	<b>FC</b> 28	<b>L</b> 2.9'	<b>W</b> 2.9'	
			2.9' 5.7'		
4'	298	28 7 3		2.9'	
4' 8'	298 74	28 7	5.7'	2.9' 5.7'	

Zonal Lumen Summary					
Zone	Lumens	% Luminaire			
0-30	395	50.19%			
0-40	603	76.62%			
0-60	718	91.23%			
60-90	41.5	5.27%			
70-100	25.3	3.21%			
90-120	13.0	1.65%			
0-90	759	96.44%			
90-180	28.0	3.56%			
0-180	787	100%			

 $\textbf{H2} \\ \textbf{x-1030M00} \\ \textbf{xN-xxx} + \textbf{H2T-TR-FWHWH} : \\ \textbf{HELIOS, 13W, medium flood beam spread, round fixed white trim} \\ - \\ \textbf{Minimum height/No tilt} \\ \textbf{Minimum heig$ 

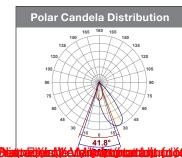


02/					
D	Lux	FC	L	W	
4'	1129	105	3.1'	3.1'	
8'	282	26	6.2'	6.2'	
12'	125	12	9.3'	9.3'	
16'	71	7	12.4'	12.4'	
20'	45	4	15.4'	15.4'	

**Beam Details** 

Zonal Lumen Summary					
Zone	Lumens	% Luminaire			
0-30	765	74.63%			
0-40	917	89.46%			
0-60	978	95.41%			
60-90	19.0	1.85%			
70-100	16.6	1.62%			
90-120	13.2	1.29%			
0-90	997	97.27%			
90-180	28.6	2.79%			
0-180	1025	100%			

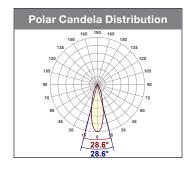
H2×-1030M00××N-××× + H2T-TR-AWHWH: HELIOS, 13W, medium flood beam spread, round adjustable white trim — Minimum height / Maximum tilt / Maximum drift



		E	000	)	
	D	Lux	FC	L	W
	4'	442	41	2.9'	2.9'
	8'	110	10	5.8'	5.8'
	12'	49	5	8.7'	8.7'
	16'	28	3	11.7'	11.7'
2	20'	18	2	14.6'	14.6'
math	d)				

Beam Details

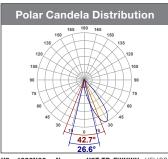
Zon	al Lumen S	ummary
Zone	Lumens	% Luminaire
0-30	497	53.10%
0-40	732	78.21%
0-60	859	91.77%
60-90	48.6	5.19%
70-100	29.3	3.13%
90-120	13.2	1.41%
0-90	907	96.90%
90-180	28.9	3.09%
0-180	936	100%



Bea	m Det	ails			
00/   D					
Lux	FC	L	W		
1810	168	2'	2'		
450	4.0				
453	42	4.1'	4.1'		
453 201	42 19	4.1' 6.1'	4.1' 6.1'		
	Lux 1810	Lux FC 1810 168	Lux FC L 1810 168 2'		

Zon	al Lumen Sı	ummary
Zone	Lumens	% Luminaire
0-30	787	79.25%
0-40	899	90.53%
0-60	948	95.47%
60-90	17.2	1.73%
70-100	14.6	1.47%
90-120	12.3	1.24%
0-90	966	97.28%
90-180	27.4	2.76%
0-180	993	100%

 $\textbf{H2} \\ \textbf{x-1030N00} \\ \textbf{x} \\ \textbf{N-x} \\ \textbf{x} \\ \textbf{x} \\ \textbf{+} \\ \textbf{H2T-TR-AWHWH:} \\ \textbf{HELIOS, 13W, narrow beam spread, round adjustable white trim} \\ - \\ \textbf{Minimum height} \\ / \\ \textbf{Maximum tilt} \\ / \\ \textbf$ 



0.5				
D	Lux	FC	L	W
4'	302	28	2.6'	2.6'
8'	75	7	5.1'	5.1'
12'	34	3	7.7'	7.7'
16'	19	2	10.3'	10.31
20'	12	1	12.8'	12.8'

**Beam Details** 

Zon	al Lumen Sı	ummary
Zone	Lumens	% Luminaire
0-30	483	52.79%
0-40	742	81.09%
0-60	847	92.57%
60-90	40.7	4.45%
70-100	24.2	2.64%
90-120	12.4	1.36%
0-90	888	97.05%
90-180	26.5	2.90%
0-180	915	100%

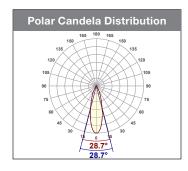
 $\textbf{H2} \\ \textbf{\times} \\ \textbf{-1030N00} \\ \textbf{\times} \\ \textbf{N} \\ \textbf{-} \\ \textbf{\times} \\ \textbf{\times} \\ \textbf{+} \\ \textbf{H2T-TR-FWHWH:} \\ \textbf{HELIOS, 13W, narrow beam spread, round fixed white trim} \\ \textbf{-} \\ \textbf{Medium height} \\ \textbf{/} \\ \textbf{No tilt} \\ \textbf{No tilt} \\ \textbf{-} \\$ 

Polar Candela Distribution
135 180 185 150 115 120 120 120 120 120 120 120 120 120 120

		Bea	m Det	ails	
		6		D D	
[	)	Lux	FC	L	W
[		<b>Lux</b> 1821	<b>FC</b> 169	<b>L</b> 2'	<b>W</b> 2'
	ļ'				
	ļ' B'	1821	169	2'	2'
- 2	ļ' 3' 2'	1821 455	169 42	2' 4.1'	2' 4.1'

Zon	al Lumen Sı	ummary
Zone	Lumens	% Luminaire
0-30	794	81.52%
0-40	889	91.27%
0-60	922	94.66%
60-90	25.1	2.58%
70-100	18.2	1.87%
90-120	12.2	1.25%
0-90	947	97.23%
90-180	26.9	2.76%
0-180	974	100%

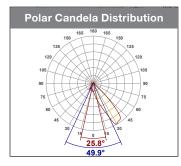
H2×-1030N00××N-××× + H2T-TR-FWHWH: HELIOS, 13W, narrow beam spread, round fixed white trim — Maximum height / No tilt

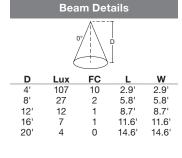


	Bea	m Det	ails	
	E	),	D D	
D	Lux	FC	L	W
<b>D</b> 4'	<b>Lux</b> 1877	<b>FC</b> 174	<b>L</b> 2'	<b>W</b> 2'
4'	1877	174	2'	2'
4' 8'	1877 469	174 44	2' 4.1'	2' 4.1'

Zon	al Lumen Sı	ummary
Zone	Lumens	% Luminaire
0-30	811	85.46%
0-40	860	90.62%
0-60	896	94.42%
60-90	26.7	2.81%
70-100	18.5	1.95%
90-120	12.3	1.30%
0-90	923	97.26%
90-180	26.8	2.82%
0-180	949	100%

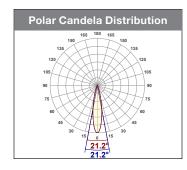
H2 x - 1030N30 x x N - x x x + H2 T F A W W H : HELIOS, 13 W, narrow beam spread, round adjustable white trim with light bending film — Minimum height / No tilt / Maximum drift





Zon	al Lumen S	ummary
Zone	Lumens	% Luminaire
0-30	159	37.32%
0-40	276	64.79%
0-60	358	84.04%
60-90	46.1	10.82%
70-100	25.4	5.96%
90-120	10.5	2.46%
0-90	405	95.07%
90-180	21.6	5.07%
0-180	426	100%

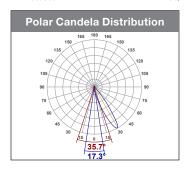
 $\textbf{H2} \\ \textbf{x-1030S00} \\ \textbf{x} \\ \textbf{N-x} \\ \textbf{x} \\ \textbf{x} \\ \textbf{+} \\ \textbf{H2T-TR-FWHWH}: \\ \textbf{HELIOS, 13W, spot beam spread, round fixed white trim} \\ - \\ \textbf{Minimum height} \\ / \\ \textbf{No tilt} \\ \textbf{No t$ 



	Bea	m Det	ails		
000					
_	_				
D	Lux	FC	L	W	
4'	1861	173	1.5'	1.5'	
				<b>W</b> 1.5' 3'	
4'	1861	173	1.5'	1.5'	
4' 8'	1861 465	173 43	1.5' 3'	1.5' 3'	

Zonal Lumen Summary				
Zone	Lumens	% Luminaire		
0-30	490	84.34%		
0-40	518	89.16%		
0-60	540	92.94%		
60-90	14.2	2.44%		
70-100	13.6	2.34%		
90-120	12.3	2.12%		
0-90	554	95.35%		
90-180	26.4	4.54%		
0-180	581	100%		

 $\textbf{H2} \\ \textbf{\times -1030S00} \\ \textbf{\times N-\times \times \times + H2T-TR-AWHWH:} \\ \textbf{HELIOS, 13W, spot beam spread, round adjustable white trim} \\ - \\ \textbf{Minimum height} \\ / \\ \textbf{Maximum tilt} \\ / \\ \textbf{Max$ 

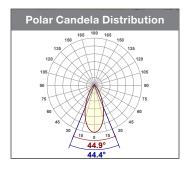


00/1				
D	Lux	FC	L	W
4'	0.7	0	0.41	0.11
4	87	8	2.1'	2.1'
8'	22	2	4.2'	2.1' 4.2'
8'	22	2	4.2'	4.2'

Beam Details

Zonal Lumen Summary				
Zone	Lumens	% Luminaire		
0-30	259	48.05%		
0-40	431	79.96%		
0-60	483	89.61%		
60-90	30.5	5.66%		
70-100	20.5	3.80%		
90-120	12.3	2.28%		
0-90	513	95.18%		
90-180	25.8	4.79%		
0-180	539	100%		

 $\textbf{H2} \\ \textbf{\times} \\ \textbf{-1030W00} \\ \textbf{\times} \\ \textbf{N} \\ \textbf{-} \\ \textbf{\times} \\ \textbf{\times} \\ \textbf{+} \\ \textbf{H2T-TR-FWHWH:} \\ \textbf{HELIOS, 13W, wide flood beam spread, round fixed white trim } \\ \textbf{-} \\ \textbf{Minimum height/No tilt} \\ \textbf{-} \\ \textbf{-}$ 

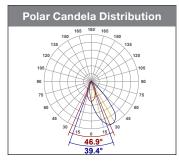


0°/				
D	Lux	FC	L	W
4'	804	75	3.3'	3.3'
8'	201	19	6.6'	6.6'
12'	89	8	9.8'	9.8'
16'	50	5	13.1'	13.1'
20'	32	3	16.4'	16.4'

Beam Details

Zonal Lumen Summary				
Zone	Lumens	% Luminaire		
0-30	578	64.37%		
0-40	723	80.51%		
0-60	831	92.54%		
60-90	29.4	3.27%		
70-100	17.1	1.90%		
90-120	14.0	1.56%		
0-90	860	95.77%		
90-180	37.7	4.20%		
0-180	898	100%		

H2×-1030W00××N-××× + H2T-TR-AWHWH: HELIOS, 13W, wide flood beam spread, round adjustable white trim — Minimum height / Maximum tilt / Maximum drift

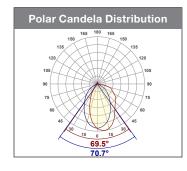


07   D				
D	Lux	FC	L	W
4'	366	34	3.2'	3.2'
8'	91	8	6.5'	6.5'
12'	41	4	9.7'	9.7'
16'	23	2	12.9'	12.9'
20'	15	1	16.1'	16.1'

Beam Details

Zonal Lumen Summary				
Zone	Lumens	% Luminaire		
0-30	400	48.60%		
0-40	610	74.12%		
0-60	750	91.13%		
60-90	44.6	5.42%		
70-100	27.1	3.29%		
90-120	13.1	1.59%		
0-90	795	96.60%		
90-180	28.4	3.45%		
0-180	823	100%		

H2x-1030W00xxN-xxx + H2T-xR-WSSxx: HELIOS, 13W, wide flood beam spread, round wall wash semi-specular trim — Minimum height / No tilt



0°/ D				
D	Lux	FC	L	W
4'	185	17	5.5'	5.5'
8'	46	4	10.9'	10.91
12'	21	2	16.4'	16.4'
16'	12	1	21.9'	21.9'
20'	7	1	27.3'	27.3'

Beam Details

Zonal Lumen Summary				
Zone	Lumens	% Luminaire		
0-30	174	37.83%		
0-40	254	55.22%		
0-60	375	81.52%		
60-90	64.2	13.96%		
70-100	33.8	7.35%		
90-120	9.69	2.11%		
0-90	440	95.65%		
90-180	20.1	4.37%		
0-180	460	100%		