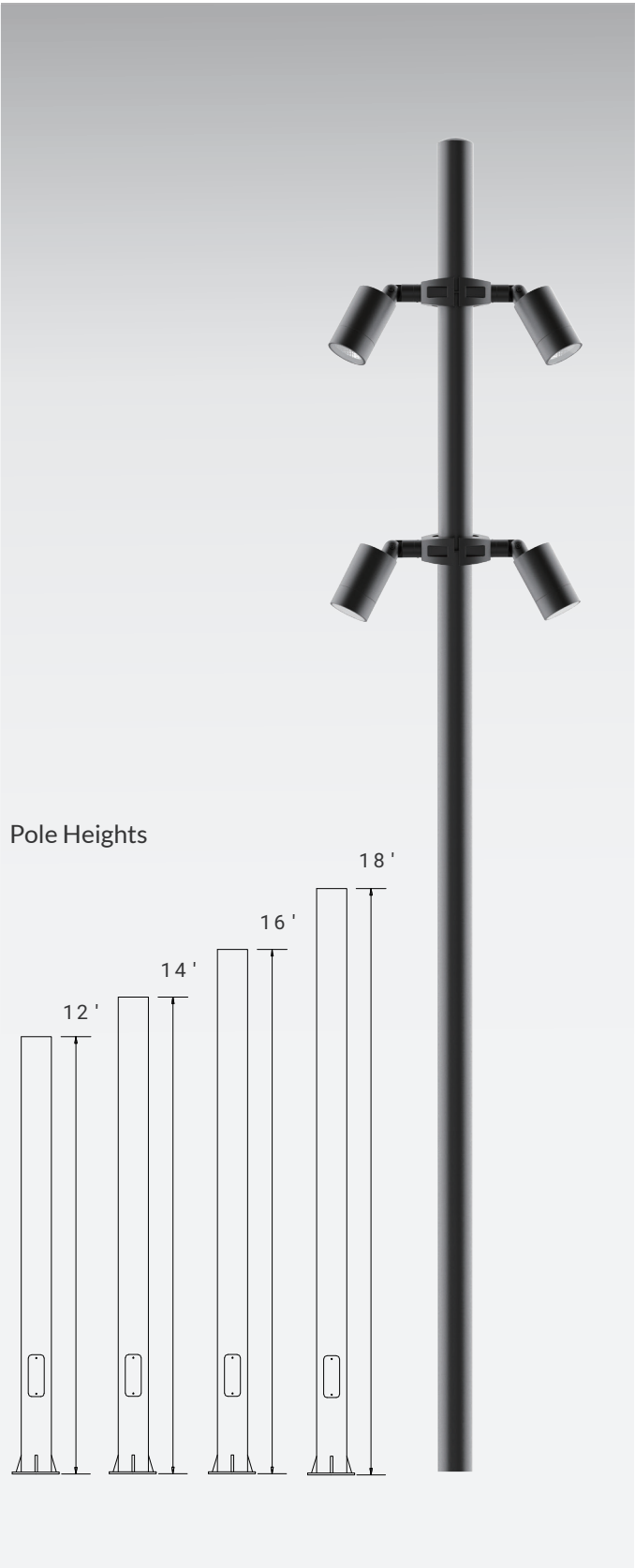




The Carlo LED Pole Light combines unmatched flexibility with resilient durability for dynamic outdoor lighting solutions. Its fully customizable pole height and finish color allow seamless integration into any setting, while the luminaire’s selection of beam angles and versatile mounting methods enable tailored illumination for diverse applications—from pathways and parking lots to architectural landscapes.

TECHNICAL DATA

Wattage	20W, 30W, 40W (Single luminaire)
CRI	80
Driver	0-10V Dimming
Input Voltage	120-277V, 50/60Hz
Projected Lifetime	L70-100,000 hours
Operating Temp.	-4°F to 113°F (-20°C to 45°C)
Certifications	cETLus listed RoHS compliant
Power Factor	>0.9 at full load
Harmonic Distortion	<20% at full load
IP Rating	IP65

Color Temperature

2700K 3000K 4000K 5000K

Beam Angle (No shroud)

15° 24° 36° 50° H50°V20°

Housing Color

Standard Color

Black
RAL9011 Bronze
RAL8019

Premium Color

Gray
RAL7012 White
RAL9016 Silver
RAL9006 Custom
RAL####

FEATURES

- **Adjustability & Adaptability:** Customizable pole height and finish color. Selection of beam angles and mountings. 180° tiltable luminaire.
- **Durable Construction:** Die-cast aluminum housing. Polycarbonate Lens. Marine grade treatment available.
- **Smart Compatibility:** 0-10V dimming for enhanced control.
- **Visual Comfort Optimization:** Optional shrouds and honeycomb louvre for visual comfort.

ORDERING INFORMATION

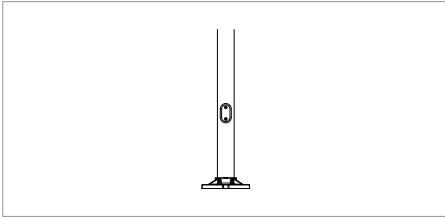
EXAMPLE: CARLO-C20301-50-KNS-AS-BK-1.8FT

CARLO									
Series	Wattage	CCT	Voltage	Beam Angle	Fixture	Shroud	Housing Color ¹	Cable Length	Option
CARLO	C20 COB 20W	27 2700K	1 120-277V	15 15°	KNS Knuckle with 1/2 threaded Stem	NS No shroud	BK Black RAL9011	1.8FT ² 1.8ft cable is the standard cable length.	BLANK None
	C30 COB 30W	30 3000K	0-10V Dimming	24 24°	<i>The following items are available as accessories and need to be ordered separately. Please refer to the accessory list for details.</i> Round Pole Pole Clamp Pole Base Cover Anchor Bolts Mounting Kits	AS Angled Retractable Shroud	BZ Bronze RAL8019	Custom lengths are available at an additional charge.	M Marine ambient corrosion resistance
	C40 COB 40W	40 4000K		36 36°		OS Open Straight Retractable Shroud	<i>The following colors are available at an additional charge.¹</i> WH White RAL9016 GY Gray RAL7012 SL Silver RAL9006 CC Custom Colors (Provide RAL#)		<i>The following items are available as accessories and need to be ordered separately. Please refer to the accessory list for details.</i> Honeycomb Louver
		50 5000K		50 50° 5020 H50° *V20°					

NOTE:

1. Black RAL9011 and Bronze RAL8019 are standard finishes at no extra cost. Setup fees apply for White RAL9016, Gray RAL7012, Silver RAL9006 and other custom finishes.
2. The standard cable length is 1.8ft. Custom cable lengths are available at an additional charge.

ACCESSORIES (ORDERED SEPARATELY)



ALRP4-12FT-0.125-BK

Aluminum Round Pole Ø4", 12ft
 Wall thickness: 0.125"
 With pole cap, black.

ALRP4-14FT-0.125-BK

Aluminum Round Pole Ø4", 14ft
 Wall thickness: 0.125"
 With pole cap, black.

ALRP4-16FT-0.125-BK

Aluminum Round Pole Ø4", 16ft
 Wall thickness: 0.125"
 With pole cap, black.

ALRP4-18FT-0.125-BK

Aluminum Round Pole Ø4", 18ft
 Wall thickness: 0.125"
 With pole cap, black.

ALRP5-12FT-0.125-BK

Aluminum Round Pole Ø5", 12ft
 Wall thickness: 0.125"
 With pole cap, black.

ALRP5-14FT-0.125-BK

Aluminum Round Pole Ø5", 14ft
 Wall thickness: 0.125"
 With pole cap, black.

ALRP5-16FT-0.125-BK

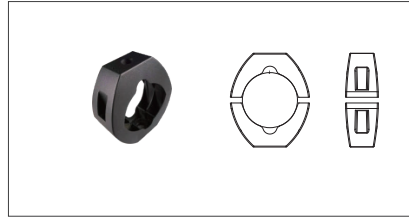
Aluminum Round Pole Ø5", 16ft
 Wall thickness: 0.125"
 With pole cap, black.

ALRP5-18FT-0.125-BK

Aluminum Round Pole Ø5", 18ft
 Wall thickness: 0.125"
 With pole cap, black.

**Custom pole heights and finish colors available.*

**Please contact Customer Service for customized poles.*

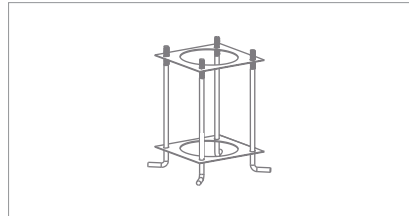


HOFL-PCP-4-BK

Pole Clamp for Ø4" pole, fits 1 or 2 fixtures, black.

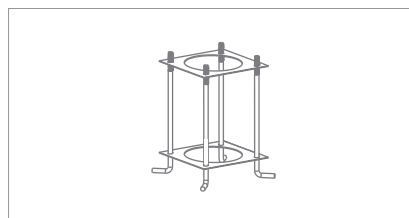
HOFL-PCP-5-BK

Pole Clamp for Ø5" pole, fits 1 or 2 fixtures, black.



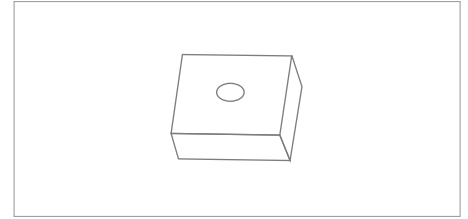
ABMK-3/4"-8

Galvanized Anchor Bolts Mounting Kits for 4" round pole.
 Mounting hole: Ø8"
 Anchor bolts size: 3/4"x20"x3"



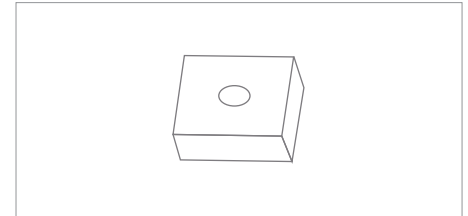
ABMK-3/4"-7.5

Galvanized Anchor Bolts Mounting Kits for 5" round pole.
 Mounting hole: Ø7.5"
 Anchor bolts size: 3/4"x20"x3"



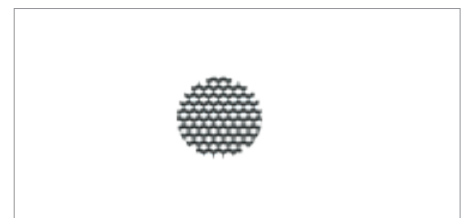
PBC4-BK

Pole Base Cover for Dia. 4" (O.D.) pole, Black.



PBC5-BK

Pole Base Cover for Dia. 5" (O.D.) pole, Black.



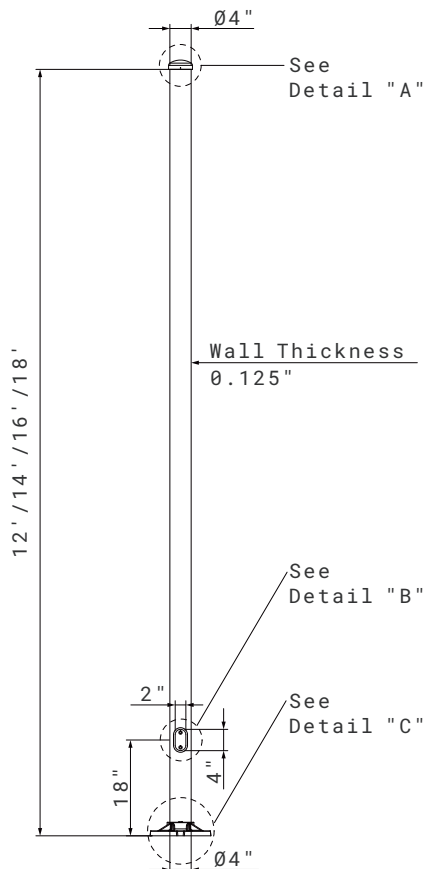
CARLO-HCL-04

Aluminum Honeycomb Louver.

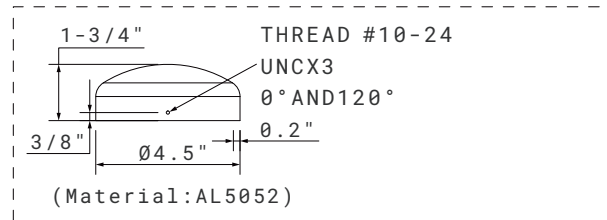
SPECIFICATION

4" Pole Side View

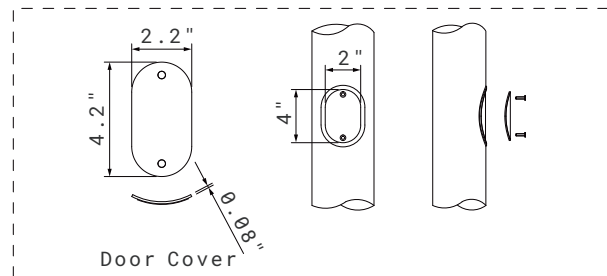
Pole Wall Thickness: 0.125"



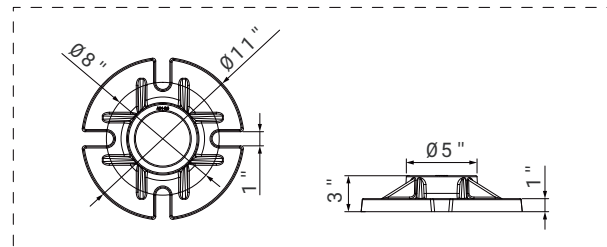
Detail "A" - Pole Cap Detail



Detail "B" - Door Detail

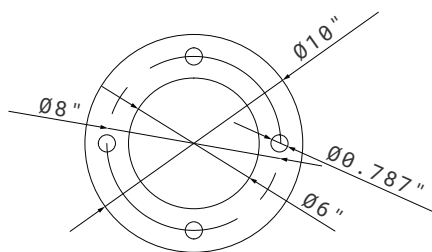


Detail "C" - Pole Base Detail



Anchor Bolt Plate (2 pcs)

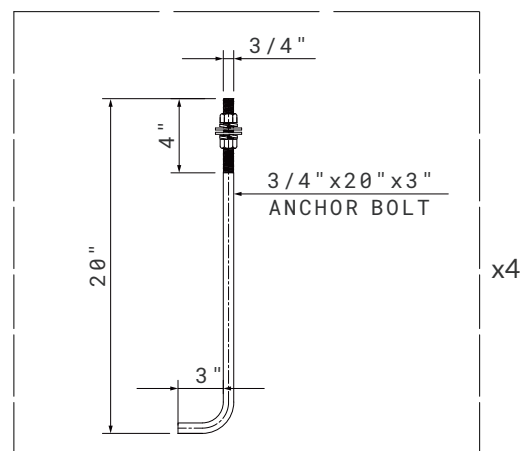
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.



Thickness: 0.118" (3mm)

Note: Adequate drainage must be provided in concrete foundation.

Anchor Bolt Detail



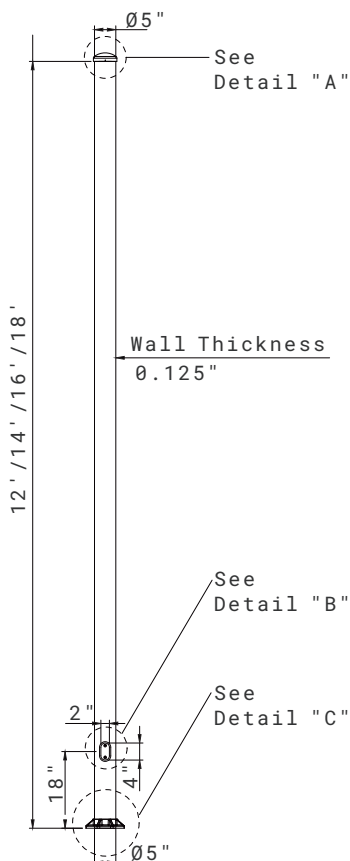
Anchor Bolt (for option)

*Please contact Customer Service for customized poles.

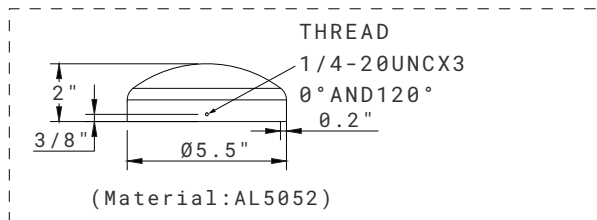
SPECIFICATION

5" Pole Side View

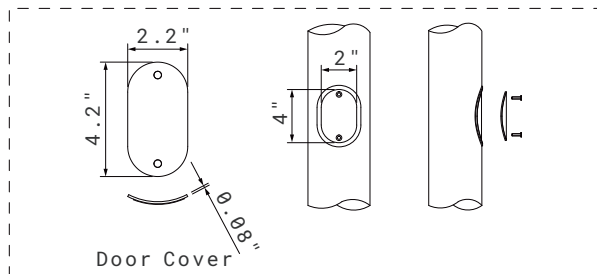
Pole Wall Thickness: 0.125"



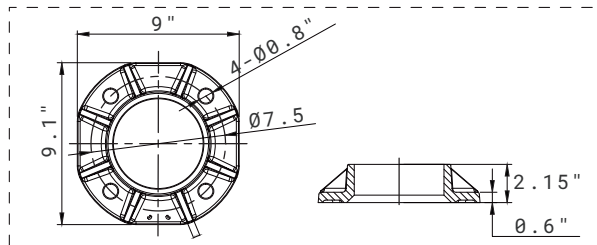
Detail "A" - Pole Cap Detail



Detail "B" - Door Detail

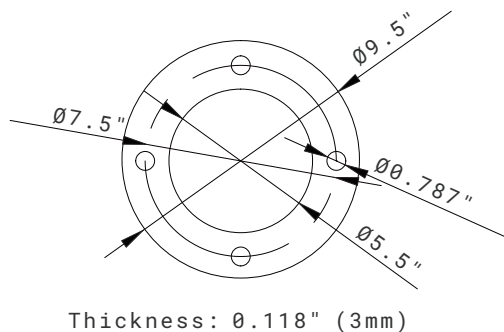


Detail "C" - Pole Base Detail



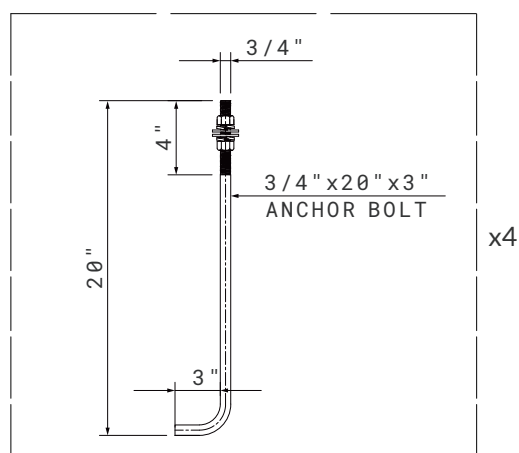
Anchor Bolt Plate (2 pcs)

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.



Note: Adequate drainage must be provided in concrete foundation.

Anchor Bolt Detail

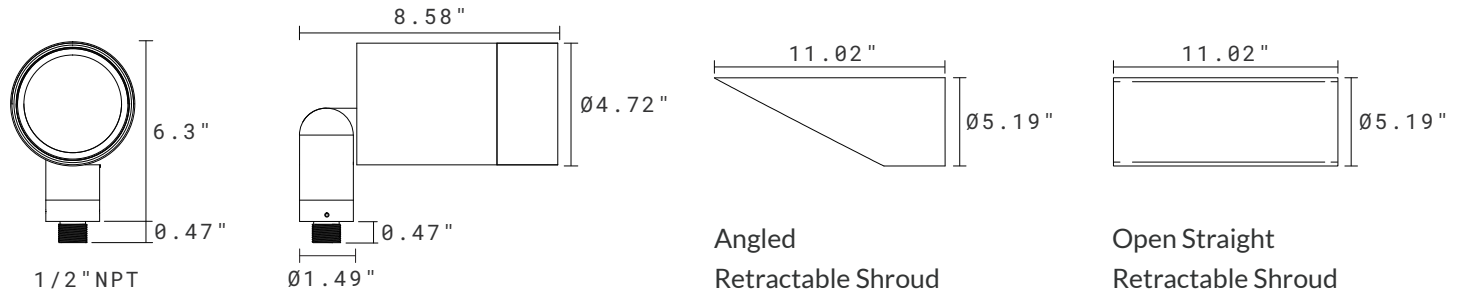


Anchor Bolt (for option)

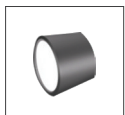
*Please contact Customer Service for customized poles.

SPECIFICATION

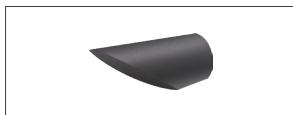
Single Module 20W, 30W, 40W



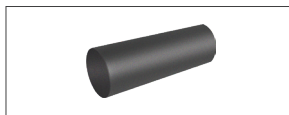
Shrouds



No Shroud



Angled Retractable Shroud



Open Straight Retractable Shroud

POLE DATA CHART

Pole Height	Wall Thickness	Pole Dimension(Ø)	Pole Material	Pole EPA	Max Basic Wind Speed
12ft	0.125"	Ø4"	Aluminum	5.928ft ²	180 mph
14ft	0.125"	Ø4"	Aluminum	6.916ft ²	160 mph
16ft	0.125"	Ø4"	Aluminum	7.904ft ²	140 mph
18ft	0.125"	Ø4"	Aluminum	8.892ft ²	130 mph
12ft	0.125"	Ø5"	Aluminum	7.41ft ²	180 mph
14ft	0.125"	Ø5"	Aluminum	8.65ft ²	180 mph
16ft	0.125"	Ø5"	Aluminum	9.88ft ²	160 mph
18ft	0.125"	Ø5"	Aluminum	11.12ft ²	140 mph

NOTE:

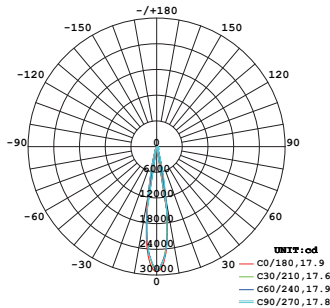
1. The wind speed datas are based on allowable design wind speed (VASD).
2. Rated performance is dependant upon the pole being properly attached to a supporting foundation of adequate design.

PHOTOMETRY

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%. Results may vary per actual order.

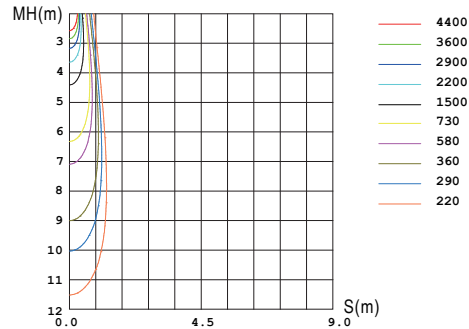
40W- 15°

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



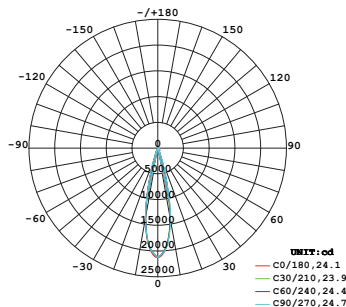
AVERAGE BEAM ANGLE(50%):17.8 DEG

CO PLANE ISOLUX DIAGRAM (UNIT:lx)



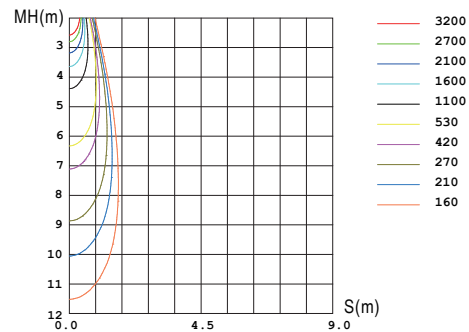
40W- 24°

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



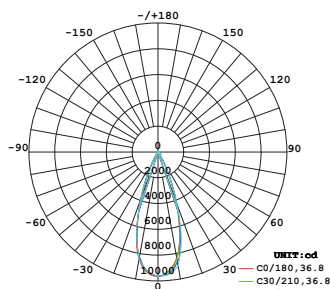
AVERAGE BEAM ANGLE(50%):24.3 DEG

CO PLANE ISOLUX DIAGRAM (UNIT:lx)



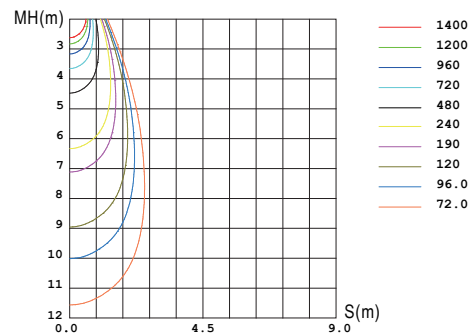
40W- 36°

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):36.9 DEG

CO PLANE ISOLUX DIAGRAM (UNIT:lx)

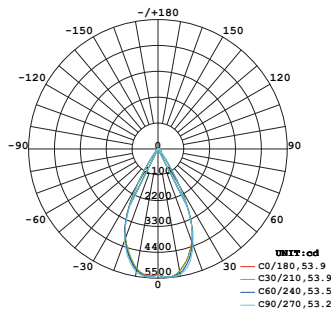


PHOTOMETRY

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%. Results may vary per actual order.

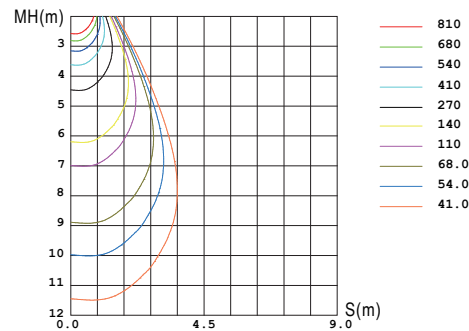
40W- 50°

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



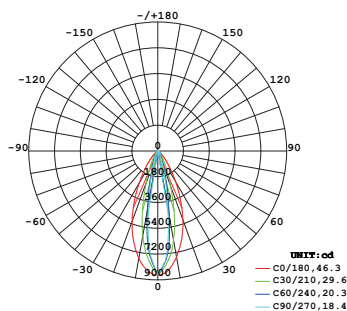
AVERAGE BEAM ANGLE(50%):53.6 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



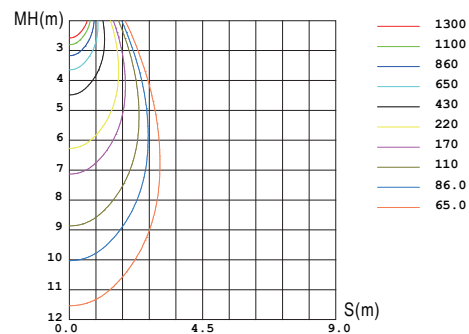
40W- H50°xV20°

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):28.7 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



PERFORMANCE DATA

Lumen values are measured by third party certified laboratories performed in accordance with IESNA LM-79-08 as well as Lighting Facts listed.

WATTAGE	BEAM ANGLE	LUMENS (lm)	CCT	CRI	WATTAGE	BEAM ANGLE	LUMENS (lm)	CCT	CRI
20W	15°	2520lm	3000K	80	40W	15°	3671lm	3000K	80
20W	24°	2161lm	3000K	80	40W	24°	3958lm	3000K	80
20W	36°	2114lm	3000K	80	40W	36°	3878lm	3000K	80
20W	50°	2131lm	3000K	80	40W	50°	3924lm	3000K	80
20W	H50° x V20°	1608lm	3000K	80	40W	H50° x V20°	2878lm	3000K	80
30W	15°	2785lm	3000K	80					
30W	24°	2936lm	3000K	80					
30W	36°	2863lm	3000K	80					
30W	50°	2936lm	3000K	80					
30W	H50° x V20°	2159lm	3000K	80					