# **IMHCD Series**

# High Lumen Commercial Downlight



Project Name:	Order Number:	Prepare by:	Note:	Date:	Type:

## **DESCRIPTION**



Introducing our Modular Commercial Downlight, a blend of style and innovation. Its light module and reflector module design offer flexibility and efficiency. With aluminum heatsink light modules and can-less installation, it's both sleek and practical. Designed for wet locations and air-tight for superior performance. Adjust the beam angle from 24 to 45 degrees and choose from 5CCT options for personalized lighting. UGR<19 and 30-degree cut-off minimize glare. High CRI of 90 ensures true color representation. Select from 3 lumen outputs, and enjoy universal voltage input and 0-10V dimming. Experience quiet illumination with noise levels below 24dB. Elevate your space with our versatile Modular Commercial Downlight.



- Select color temperature from
- 2700K WARM WHITE
- 3000K SOFT WHITE
- 3500K NATURAL WHITE
- 4000K COOL WHITE
- 5000K DAYLIGHT









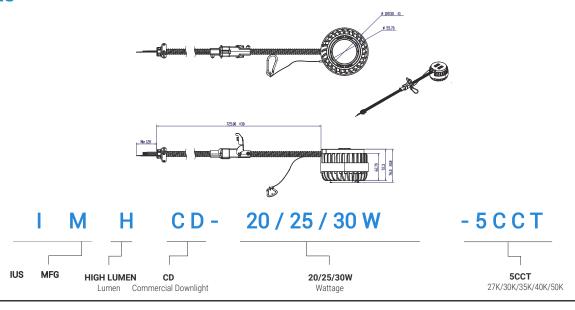




## **Product Imformation**

Model No.	Product Name	Lumens	Watts	Efficacy	CRI	VOLTAGE	DIMMING	CCT	LIFE
IMHCD-20/25/30w-5CCT	Commercial down light module	1500/1800/2100LM	20/25/30W	75/72/70m/w	90	120-277V	0-10V	27/30/35/40/50K	>50,000hrs
IMHCD-32/42/55W-35K	Commercial down light module	3000/4000/5000LM	32/42/55W	94/95/91lm/w	90	120-277V	0-10V	3500K	>50,000hrs
IMHCD-4-HZ/WH	4" reflector	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IMHCD-6-HZ/WH	6" reflector	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IMHCD-8-HZ/WH	8" reflector	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IMHCD-10-HZ/WH	10" reflector	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

## **DIMENSIONS** -



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## **PHOTOMETRY**

#### 120V 20W 40K 24D CRI90

#### & 6in white round reflector

	ATA OF LA	*T		PROTORS	TERIC DATA BÉÉ: 9	9.15 lm/W	
MODICE			Inax (od)	4950	9/MH(C0/160)	0.43	
BOHIBAL	LCMSS (M)	20	LOR(%)	100.0	S/MS(C90/270)	0.42	
RATED WO	CIMIE (V)	120	TOTAL FLUX(la)	1733.6	q UF,DM(CD-180)	0.8,45.0	
SCHURAL	FLUX (lm)	1733.62	CIE CLASS	DIRECT	n 07.08(C180-360)	0.6,52.	
LAMPS IN	site	1	q 10 (1)	1.4	CIBSE SEE NOM	0.50	
TEST VOL	TAGE (V)	120.6	n down (1)	98.6	CIBSE SER HAX	0.50	
	-150	-/+180	_ 100	1://			

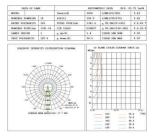
#### 120V 40W 40K 30D CRI90

& 8in white round reflector

	ATE OF LA	10"		PROTORE	TRIC DATA   Eff: 10	6.20 la/w
MODEL			Inax (od)	9205	s/ME(C0/100)	0.50
NOMINAL	POWER (W)	30	LOR(%)	100.0	n/mm(c90/270)	0.40
PATED VO	(V) BIAKES	120	TOTAL PLOX(la)	3273.5	η UF, DN (CO-103)	1.3,40.
NOMINAL	FLUX(lm)	3273.46	CIE CLASS	DIRECT	η OF, DN (C100-360)	1.2,49.
LAMPS IN	SIDE	1	η up(%)	2.4	CIBSE SER HOM	0.50
TRUT YOU	TRUE (V)	120.6	q slown(%)	97.6	CIBSE SER MAX	0.55
	-110	J-70180	D)	1.7		
14			128 66 600 otto 2.5 p 60 000 0.2 p 60 000 0.3 p			
			128 66 600 otto 2.5 p 60 000 0.2 p 60 000 0.3 p	3 7 7 7 10 10 10 10 10 10 10 10 10 10 10 10 10	1200 1000 820	

#### 120V 15W 40K 24D CRI90

#### & 6in white round reflector



#### 120V 15W 40K 55D CRI90

#### & 8in white square reflector

DATA OF L	ME		PHOTORO	TERES DATA MESS (	14.13 2s/s
TBOOM		Inax(od)	1309	S/ME(CO/160)	0.62
CHURAL POWER (W)	15	LOR(%)	100.0	s/mm(c90/276)	0.67
RATED WOLTAGE (V)	120	TOTAL PLOX(la)	1170.1	n TP, 28 (CO-188)	9.0,48.0
CHURAL PLUX(le)	1170.05	CIE CLASS	DERROT	o TF, DH (C180-360)	0.0,12.0
AMPS INSTITE	1	+ xp(+)	0.0	CIBSE SER NOR	0.75
TEST VOLTAGE (V)	120	q down(%)	100.0	CIBSE SIR MAX	0.90
-120 -29 -20 -20		52 52 53 55 55 56 56 56 56 56 56 56 56	32 35 36 38 40 40 40 40 40 40 40 40 40 40 40 40 40		

#### 120V 55W 40K 30D CRI90

#### & 6in white round reflector

DATA OF LA	167		PROTOM	TRIC DATA Eff: 0	9:67 la/M
MODEL		Inex (od)	11291	S/ME(00/180)	0.51
RORDHAL POWER (N)	54	LOR(%)	100.0	s/MI (090/270)	0:47
RATED VOLTAGE (V)	120	TOTAL FLUX(In)	4978.6	e 09.08(c0-100)	0.0,47.3
SCHINAL FLUX(18)	6979.62	CIR CLASS	DIRECT	e 09,08(C180-360)	0.7,51.3
LAMPS INSIDE	1	n rep-(1)	1.4	CIDSE SER NON	0.50
TEST VOLTAGE (V)	120.6	n down (t)	21.6	CIBSE SER MAX	0.55
-111					

#### 120V 15W 40K 55D CRI90

#### & 6in white square reflector

	H2:		2002080	TRIC DATA REF.	14.66 lm/
MOSEL		Date (ed)	1313	s/ws(c0/180)	0.75
CHINAL POWER (W)	15	109(4)	100.0	5/60(090/270)	0.63
NATED VOLTAGE (V)	120	TOTAL PLUE(Im)	1039.2	q 09,00(CD-180)	9.2,42.
COMPAND FLOX(lm)	1039.21	CEE CLASS	DIRECT	q 07,08 (C191-360)	0.1.52
LAMPS INSIDE	1	1 mp (9)	0.0	CERSE SER NOM	0.75
TEST VOLTAGE (V)	120	s down (1)	100.0	CERSE SER MAX	0.85
-130	84#	, m	20		

## **TECHNICAL SUMMARY**

### CONSTRUCTION

- Select color temperature from 2700k warm white, 3000k soft white,3500k natural white, 4000k cool white, or 5000k daylight for your environment.
- M40 (40W Max) small & M60 (60W Max) big module
- Die-casting aluminum heatsink light modules
- Spinning aluminum round reflectors
- Round 4/6/8/10in square and 4/6/8/10in reflector
- Housing less design with spring-action housing clips
- 26in flexiable conduilt/whip with knockout quick connector
- Aircraft design to support second drop protection
- · Wet location, Air-tight for round reflector
- Semi specular/white/ Semi specular white finish

### **ELECTRICAL**

- Integrated class 2 isolated low voltage driver
- 3 lumens output selectable by DIP switch
- 120-277V or 120 347V AC Voltage @ 50/60Hz
- 0-10V Dim o□, 5 100% smooth dimming
- Power factor(PF): > 0.95
- Total harmonic distortion(THD): <20%
- Calculated Life >50k hours @L70
- Low noise <24dB, Meet ES class A
- Optional emergency battery backup field installed

### **OPTICAL SYSTEM**

- 24-45D beam angle selection by twisting lens
- Using Samsung & Bridgelux IP COB LED
- 5CCT selection 2700K/3000K/3500K/4000K/5000K
- UGR<19, 30D cut off to decrease glare lighting
- Polycarbonate(PC) material Lens
- Super lighting consistency
- Min. 80 or 90 color rendering index (CRI)
- Saving energy cost: up to 75-110lm/w

### **INSTALLATION**

- Retroit or New Construction recessed mount
- Hotel, healthcare, meeting room and so on
- IC-rated for 1,500 or 2600lm, Non IC for others
- Operating temp.: -25 C to +40 C ( 13 F to 104 F)
- Suitable for wet locations
- 5 year limited warranty
- Listed to UL 1598 & UL 1598C
- Energy Star listed
- FCC part 15 Class B
- CA Title 24 Compliant: JA8-2022(-E)

## **RECOMMENDED DIMMERS**

# LITHONIA LIGHTING

• ISD BC 120/277 WH

## COOPER

SF10P-W

## LUTRON

• DVSTV-WH

## **LEVITON**

• IP710-DI 7

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## FEATURES -



## **ACCESSORIES**



MRSDMP-346 Mounting plate for 3"/4"/6" can-less downlight



**MHV-8W-EM** Emergency Driverv and Battery Back-up



MRSDMP-468 Mounting plate for 4"/6"/8" can-less downlight



MHV-25W-EM
High Output Voltage Emer
gency Driverv and Battery
Back-up

