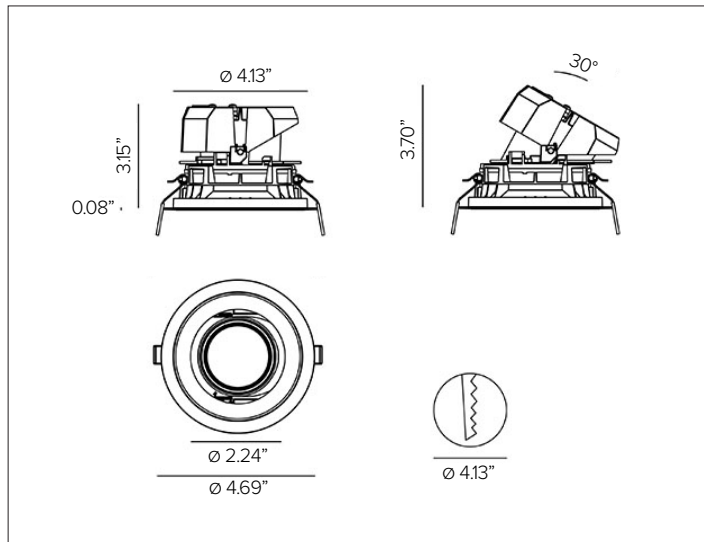


# EVO ARCHITECTURAL 105

## Extractable 5" LED Downlight Projector



### CONCEPT

Adjustable recessed LED downlight projector.

### MECHANICAL CHARACTERISTICS

<b>Housing</b>	2.00" Aperture
<b>Materials</b>	Die-cast anodized aluminum body, painted finish.
<b>Installation</b>	Non-IC plaster frame or IC/Air tight housing.
<b>Mounting</b>	The optical unit can be adjusted up to 30° on the vertical plane with a mechanical beam locking system and a graduated scale, and 358° on the horizontal plane.
<b>Finish</b>	● Plaster White ● Deep Black
<b>Weight</b>	1.14lbs
<b>Protection</b>	IP20

### CERTIFICATIONS

cULus Listed E77426  
Compliant for California installations.  
RoHS3 EU 215/863

### WARRANTY

5 year limited warranty

### SUSTAINABILITY

Luminaire designed for disposal/recycling at end-of-life. Replaceable LED light source and control gear by a Targetti technician.

### ELECTRICAL CHARACTERISTICS

<b>Power Supply</b>	Integral in housing. 120V Version: 4/1 smart driver (Non-Dimmable / 0-10V / Reverse Phase / Forward Phase). 277V Version: 0-10V
<b>Wattage</b>	5.7W (NSP), 12W / 18W Nominal
<b>Control</b>	0-10V: Dim-to-Dark 0%
<b>Voltage</b>	120V or 277V AC 50/60Hz

### SOURCE

High efficiency LED Chip on Board.

TM30	CCT (Nominal)	CRI	Rf	Rg	SDCM
	2700K	90	92	101	2
	3000K	90	92	101	2
	3500K	90	92	101	2
	4000K	90	92	101	2

### OPTIC

Equipped with precision lens optics and black silicone cutoff ring.

Beam		NSP 10°	SP 14°	FL 26°	MWFL 41°
<b>Delivered Lumens</b>	<b>2700K</b>	485Lm	Up to 1,363Lm	Up to 1,726Lm	Up to 1,622Lm
<i>Refer to photometry section for all fixture variations.</i>	<b>3000K</b>	513Lm	Up to 1,467Lm	Up to 1,876Lm	Up to 1,763Lm
	<b>3500K</b>	531Lm	Up to 1,513Lm	Up to 1,902Lm	Up to 1,787Lm
	<b>4000K</b>	549Lm	Up to 1,557Lm	Up to 1,906Lm	Up to 1,791Lm
	<b>Efficacy</b>	118Lm/W max. Refer to photometric graphs for specific values.			
<b>Lifetime</b>	L92/B10 >30,000hrs at max TA +25°C L90/B10 >50,000hrs at max TA +25°C				
<b>Photobiological Classification</b>	Low risk photobiological safety RG1				

# EVO ARCHITECTURAL 105

## SPECIFICATION INFORMATION

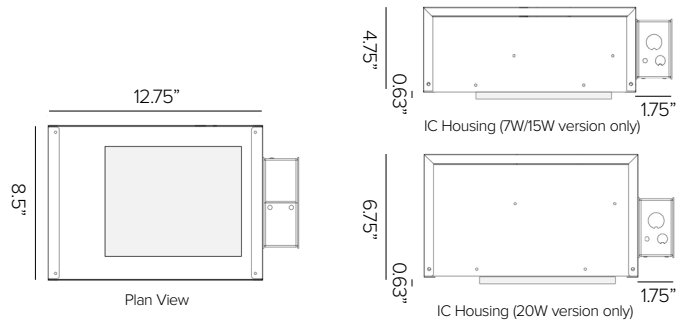
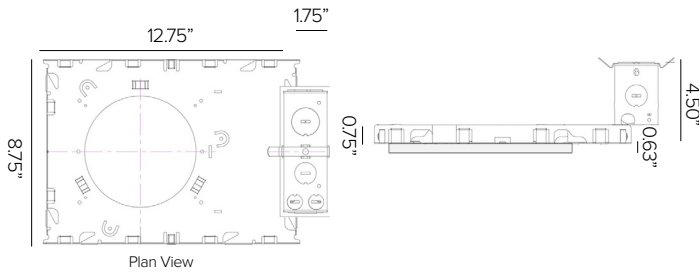
<b>CEA</b>	<b>105</b>					/	/	
1	2	3	4	5	6	7	8	

Ex: CEA105SPL227PW / CCE125NCL212041

1 - PRODUCT CODE	2 - TYPE	3 - OPTICS	4 - WATTAGE	5 - KELVIN	6 - FIXTURE FINISH
<b>CEA</b> — EVO Architectural	<b>105</b> — 4" Dia.	<b>NS</b> — NSP 10° <b>SP</b> — SP 14° <b>FL</b> — FL 26° <b>MF</b> — MWFL 41°	<b>L1</b> — 5.7W <b>L2</b> — 12W <b>L3</b> — 18W	<b>27</b> — 2700K <b>30</b> — 3000K <b>35</b> — 3500K <b>40</b> — 4000K	<b>PW</b> — Plaster White <b>DB</b> — Deep Black
7 - INSTALLATION	8 - OPTICAL ACCESSORIES				
<a href="#">Non-IC Housing</a> See section for details <a href="#">IC Housing</a> See section for details	<a href="#">Linear Spread Lens</a> See section for details <a href="#">Honeycomb Louver</a> See section for details				

# EVO ARCHITECTURAL 105

## 7 – INSTALLATION (REQUIRED)



Non-IC plaster frame with pre-installed 5/8" fiber board with cut out for ease of installation in drywall.

IC/Air tight housing with pre-installed 5/8" fiber board with cut out for ease of installation in drywall.

Wattage	<b>L1 (15W)</b>	<b>L2 (20W)</b>
Voltage	120V	120V
Part No.	<b>CCA105NCL112041</b>	<b>CCA105NCL212041</b>
Voltage	277V	277V
Part No.	<b>CCA105NCL127710</b>	<b>CCA105NCL227710</b>

Wattage	<b>L1 (15W)</b>	<b>L2 (20W)</b>
Voltage	120V	120V
Part No.	<b>CCA105ICL112041</b>	<b>CCA105ICL212041</b>
Voltage	277V	277V
Part No.	<b>CCA105ICL127710</b>	<b>CCA105ICL227710</b>

## 8 – OPTICAL ACCESSORIES (OPTIONAL)

MAXIMUM OF TWO ACCESSORY PER FIXTURE.



'Blade of Light' linear spread lens. PMMA holographic filter.

Part No. **1T4721**



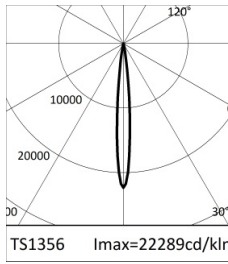
Anti-glare louver. Lacquered metal honeycomb structure.

Part No. **1T4322**

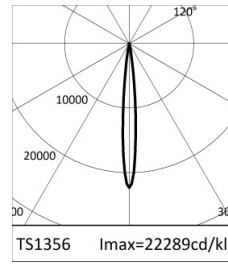
# EVO ARCHITECTURAL 105

## PHOTOMETRY

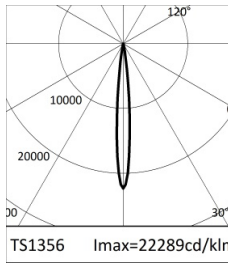
### NARROW SPOT



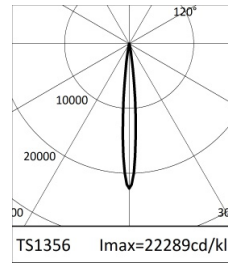
2700K	H(m)	D(m)	Emax(lx)
Ra90		10°	
Fixture Power	7W	1	0.18 11769
Source Flux	528lm	2	0.35 2942
Fixture Flux	485lm	3	0.53 1308
Efficacy	66lm/W	4	0.71 736
TS1356 I <sub>max</sub> =22289cd/klm	I <sub>max</sub>	11769cd	5 0.88 471



3000K	H(m)	D(m)	Emax(lx)
Ra90		10°	
Fixture Power	7W	1	0.18 12437
Source Flux	558lm	2	0.35 3109
Fixture Flux	513lm	3	0.53 1382
Efficacy	70lm/W	4	0.71 777
TS1356 I <sub>max</sub> =22289cd/klm	I <sub>max</sub>	12437cd	5 0.88 497



3500K	H(m)	D(m)	Emax(lx)
Ra90		10°	
Fixture Power	7W	1	0.18 12883
Source Flux	578lm	2	0.35 3221
Fixture Flux	531lm	3	0.53 1431
Efficacy	73lm/W	4	0.71 805
TS1356 I <sub>max</sub> =22289cd/klm	I <sub>max</sub>	12883cd	5 0.88 515



4000K	H(m)	D(m)	Emax(lx)
Ra90		10°	
Fixture Power	7W	1	0.18 13307
Source Flux	597lm	2	0.35 3327
Fixture Flux	549lm	3	0.53 1479
Efficacy	75lm/W	4	0.71 832
TS1356 I <sub>max</sub> =22289cd/klm	I <sub>max</sub>	13307cd	5 0.88 532

### SPOT



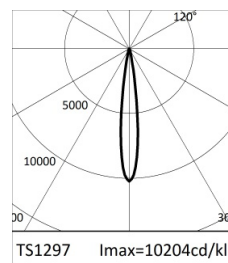
2700K	H(m)	D(m)	Emax(lx)
Ra90		14°	
Fixture Power	15W	1	0.25 12948
Source Flux	1269lm	2	0.49 3237
Fixture Flux	1044lm	3	0.74 1439
Efficacy	70lm/W	4	0.99 809
TS1297 I <sub>max</sub> =10204cd/klm	I <sub>max</sub>	12948cd	5 1.23 518



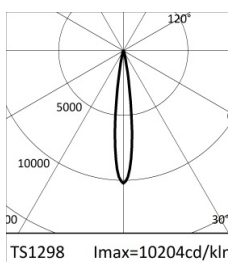
3000K	H(m)	D(m)	Emax(lx)
Ra90		14°	
Fixture Power	15W	1	0.25 13948
Source Flux	1367lm	2	0.49 3487
Fixture Flux	1125lm	3	0.74 1550
Efficacy	75lm/W	4	0.99 872
TS1297 I <sub>max</sub> =10204cd/klm	I <sub>max</sub>	13948cd	5 1.23 558



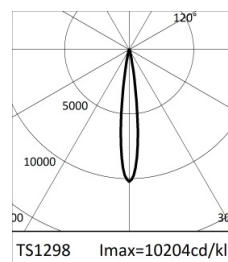
3500K	H(m)	D(m)	Emax(lx)
Ra90		14°	
Fixture Power	15W	1	0.25 14377
Source Flux	1409lm	2	0.49 3594
Fixture Flux	1160lm	3	0.74 1597
Efficacy	77lm/W	4	0.99 899
TS1297 I <sub>max</sub> =10204cd/klm	I <sub>max</sub>	14377cd	5 1.23 575



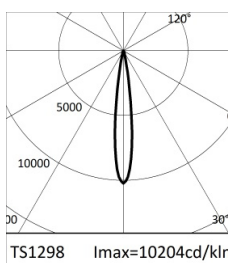
4000K	H(m)	D(m)	Emax(lx)
Ra90		14°	
Fixture Power	15W	1	0.25 14795
Source Flux	1450lm	2	0.49 3699
Fixture Flux	1193lm	3	0.74 1644
Efficacy	80lm/W	4	0.99 925
TS1297 I <sub>max</sub> =10204cd/klm	I <sub>max</sub>	14795cd	5 1.23 592



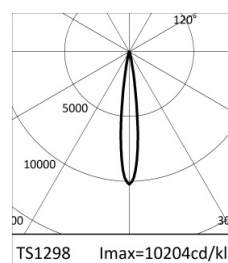
2700K	H(m)	D(m)	Emax(lx)
Ra90		14°	
Fixture Power	21W	1	0.25 16898
Source Flux	1656lm	2	0.49 4224
Fixture Flux	1363lm	3	0.74 1878
Efficacy	65lm/W	4	0.99 1056
TS1298 I <sub>max</sub> =10204cd/klm	I <sub>max</sub>	16898cd	5 1.23 676



3000K	H(m)	D(m)	Emax(lx)
Ra90		14°	
Fixture Power	21W	1	0.25 18194
Source Flux	1783lm	2	0.49 4548
Fixture Flux	1467lm	3	0.74 2022
Efficacy	70lm/W	4	0.99 1137
TS1298 I <sub>max</sub> =10204cd/klm	I <sub>max</sub>	18194cd	5 1.23 728



3500K	H(m)	D(m)	Emax(lx)
Ra90		14°	
Fixture Power	21W	1	0.25 18755
Source Flux	1838lm	2	0.49 4689
Fixture Flux	1513lm	3	0.74 2084
Efficacy	72lm/W	4	0.99 1172
TS1298 I <sub>max</sub> =10204cd/klm	I <sub>max</sub>	18755cd	5 1.23 750

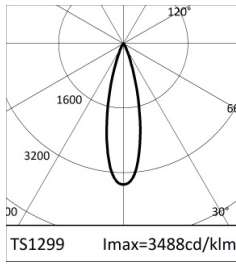


4000K	H(m)	D(m)	Emax(lx)
Ra90		14°	
Fixture Power	21W	1	0.25 19306
Source Flux	1892lm	2	0.49 4826
Fixture Flux	1557lm	3	0.74 2145
Efficacy	74lm/W	4	0.99 1207
TS1298 I <sub>max</sub> =10204cd/klm	I <sub>max</sub>	19306cd	5 1.23 772

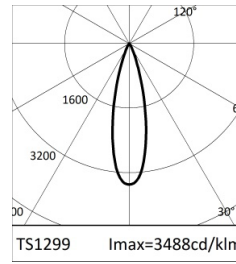
# EVO ARCHITECTURAL 105

## PHOTOMETRY

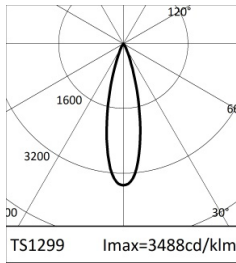
### FLOOD



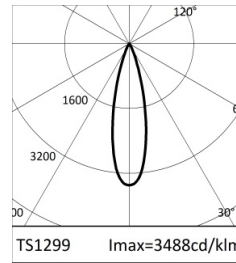
2700K		H(m)	D(m)	Emax(lx)		
Ra90			26°			
Fixture Power	14W	1	0.47	5427		
Source Flux	1556lm	2	0.94	1357		
Fixture Flux	1332lm	3	1.40	603		
Efficacy	95lm/W	4	1.87	339		
TS1299	I <sub>max</sub> =3488cd/klm	I <sub>max</sub>	5427cd	5	2.34	217



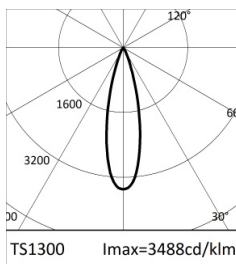
3000K		H(m)	D(m)	Emax(lx)		
Ra90			26°			
Fixture Power	14W	1	0.47	5685		
Source Flux	1630lm	2	0.94	1421		
Fixture Flux	1395lm	3	1.40	632		
Efficacy	100lm/W	4	1.87	355		
TS1299	I <sub>max</sub> =3488cd/klm	I <sub>max</sub>	5685cd	5	2.34	227



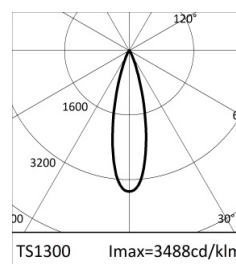
3500K		H(m)	D(m)	Emax(lx)		
Ra90			26°			
Fixture Power	14W	1	0.47	5762		
Source Flux	1652lm	2	0.94	1441		
Fixture Flux	1414lm	3	1.40	640		
Efficacy	101lm/W	4	1.87	360		
TS1299	I <sub>max</sub> =3488cd/klm	I <sub>max</sub>	5762cd	5	2.34	230



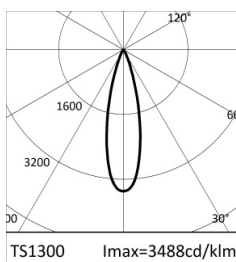
4000K		H(m)	D(m)	Emax(lx)		
Ra90			26°			
Fixture Power	14W	1	0.47	5776		
Source Flux	1656lm	2	0.94	1444		
Fixture Flux	1418lm	3	1.40	642		
Efficacy	101lm/W	4	1.87	361		
TS1299	I <sub>max</sub> =3488cd/klm	I <sub>max</sub>	5776cd	5	2.34	231



2700K		H(m)	D(m)	Emax(lx)		
Ra90			26°			
Fixture Power	20W	1	0.47	7032		
Source Flux	2016lm	2	0.94	1758		
Fixture Flux	1726lm	3	1.40	781		
Efficacy	86lm/W	4	1.87	439		
TS1300	I <sub>max</sub> =3488cd/klm	I <sub>max</sub>	7032cd	5	2.34	281



3000K		H(m)	D(m)	Emax(lx)		
Ra90			26°			
Fixture Power	20W	1	0.47	7646		
Source Flux	2192lm	2	0.94	1911		
Fixture Flux	1876lm	3	1.40	850		
Efficacy	94lm/W	4	1.87	478		
TS1300	I <sub>max</sub> =3488cd/klm	I <sub>max</sub>	7646cd	5	2.34	306



3500K		H(m)	D(m)	Emax(lx)		
Ra90			26°			
Fixture Power	20W	1	0.47	7750		
Source Flux	2222lm	2	0.94	1938		
Fixture Flux	1902lm	3	1.40	861		
Efficacy	95lm/W	4	1.87	484		
TS1300	I <sub>max</sub> =3488cd/klm	I <sub>max</sub>	7750cd	5	2.34	310



4000K		H(m)	D(m)	Emax(lx)		
Ra90			26°			
Fixture Power	20W	1	0.47	7768		
Source Flux	2227lm	2	0.94	1942		
Fixture Flux	1906lm	3	1.40	863		
Efficacy	95lm/W	4	1.87	485		
TS1300	I <sub>max</sub> =3488cd/klm	I <sub>max</sub>	7768cd	5	2.34	311

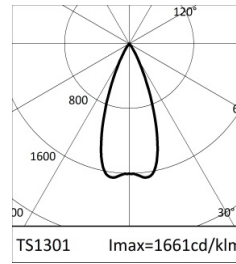
# EVO ARCHITECTURAL 105

## PHOTOMETRY

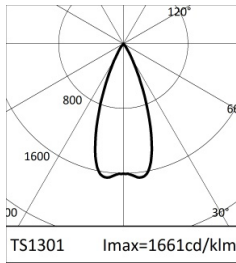
### MEDIUM WIDE FLOOD



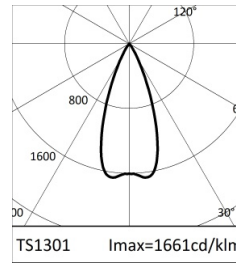
2700K		H(m)	D(m)	Emax(lx)
Ra90		41°		
Fixture Power	14W	1	0.75	2532
Source Flux	1556lm	2	1.50	633
Fixture Flux	1252lm	3	2.24	281
Efficacy	89lm/W	4	2.99	158
TS1301	I <sub>max</sub> =1661cd/klm	I <sub>max</sub>	2584cd	5 3.74 101



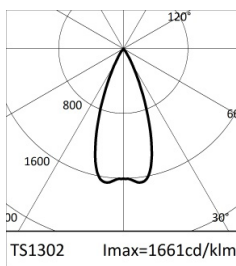
3000K		H(m)	D(m)	Emax(lx)
Ra90		41°		
Fixture Power	14W	1	0.75	2652
Source Flux	1630lm	2	1.50	663
Fixture Flux	1311lm	3	2.24	295
Efficacy	94lm/W	4	2.99	166
TS1301	I <sub>max</sub> =1661cd/klm	I <sub>max</sub>	2707cd	5 3.74 106



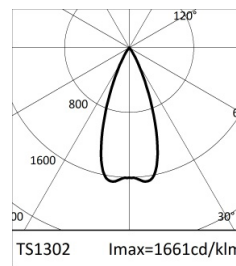
3500K		H(m)	D(m)	Emax(lx)
Ra90		41°		
Fixture Power	14W	1	0.75	2688
Source Flux	1652lm	2	1.50	672
Fixture Flux	1329lm	3	2.24	299
Efficacy	95lm/W	4	2.99	168
TS1301	I <sub>max</sub> =1661cd/klm	I <sub>max</sub>	2744cd	5 3.74 108



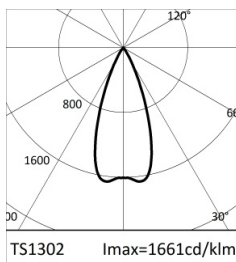
4000K		H(m)	D(m)	Emax(lx)
Ra90		41°		
Fixture Power	14W	1	0.75	2694
Source Flux	1656lm	2	1.50	674
Fixture Flux	1332lm	3	2.24	299
Efficacy	95lm/W	4	2.99	168
TS1301	I <sub>max</sub> =1661cd/klm	I <sub>max</sub>	2750cd	5 3.74 108



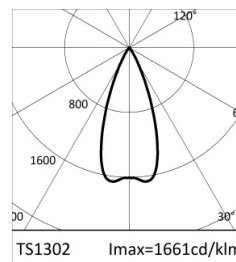
2700K		H(m)	D(m)	Emax(lx)
Ra90		41°		
Fixture Power	20W	1	0.75	3280
Source Flux	2016lm	2	1.50	820
Fixture Flux	1622lm	3	2.24	364
Efficacy	81lm/W	4	2.99	205
TS1302	I <sub>max</sub> =1661cd/klm	I <sub>max</sub>	3348cd	5 3.74 131



3000K		H(m)	D(m)	Emax(lx)
Ra90		41°		
Fixture Power	20W	1	0.75	3566
Source Flux	2192lm	2	1.50	892
Fixture Flux	1763lm	3	2.24	396
Efficacy	88lm/W	4	2.99	223
TS1302	I <sub>max</sub> =1661cd/klm	I <sub>max</sub>	3640cd	5 3.74 143



3500K		H(m)	D(m)	Emax(lx)
Ra90		41°		
Fixture Power	20W	1	0.75	3615
Source Flux	2222lm	2	1.50	904
Fixture Flux	1787lm	3	2.24	402
Efficacy	89lm/W	4	2.99	226
TS1302	I <sub>max</sub> =1661cd/klm	I <sub>max</sub>	3690cd	5 3.74 145



4000K		H(m)	D(m)	Emax(lx)
Ra90		41°		
Fixture Power	20W	1	0.75	3623
Source Flux	2227lm	2	1.50	906
Fixture Flux	1791lm	3	2.24	403
Efficacy	90lm/W	4	2.99	226
TS1302	I <sub>max</sub> =1661cd/klm	I <sub>max</sub>	3699cd	5 3.74 145